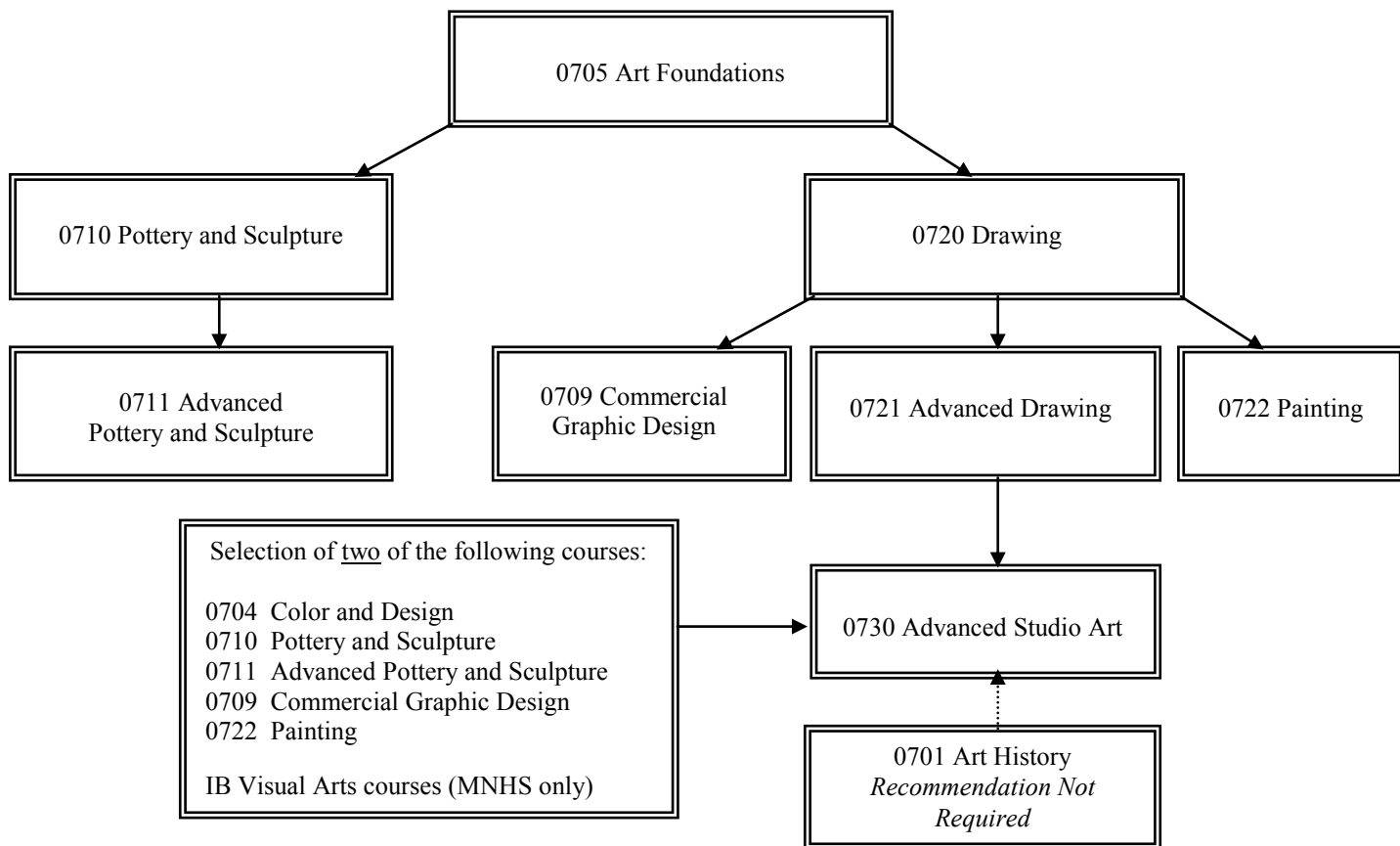


Course Descriptions

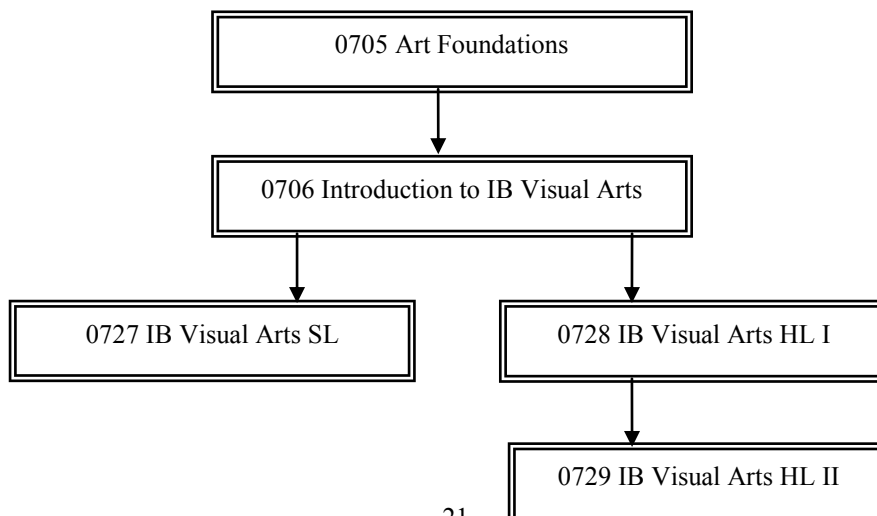
ART



Stand Alone Art Courses



MILLARD NORTH HIGH SCHOOL IB DIPLOMA PROGRAMME STUDENTS ONLY



ART

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
ART										
0701	Art History: Art Through the Ages	5	9-12	F				•	•	•
0704	Color and Design	5	9-12	F			•	•	•	•
0705	Art Foundations	5	9-12	F			•	•	•	•
0709	Commercial Graphic Design	5	11-12	F	0720			•	•	•
0710	Pottery and Sculpture	5	10-12	F	0705		•	•	•	•
0711	Advanced Pottery and Sculpture	5	10-12	F	0710		•	•	•	•
0720	Drawing	5	10-12	F	0705		•	•	•	•
0721	Advanced Drawing	5	10-12	F	0720			•	•	•
0722	Painting	5	10-12	F	0720			•	•	•
0730 A/B	Advanced Studio Art	10	12	F	0721†			•	•	•
0706 A/B	Introduction to IB Visual Arts	10	10-11	F	0705			•		
0727 A/B	IB Visual Arts SL	10	11-12	F	0706			•		
0728 A/B	IB Visual Arts HL I	10	11	F	0706			•		
0729 A/B	IB Visual Arts HL II	10	12	F	0728			•		

F = Fine and Performing Arts

† = See course descriptions for additional requirements.

Please refer to each course description for prerequisites.

Note that Art Foundations is the prerequisite course for all art courses except for the following two courses:

- Color and Design
- Art History: Art Through the Ages

ART

Materials for basic projects will be provided; however, students who select specialized projects may be required to purchase extra materials. Students may donate money, materials, or equipment to defray cost of consumable materials or appropriate personal equipment. Students who qualify for free and reduced waivers should discuss costs with their instructors.

0701 ART HISTORY: ART THROUGH THE AGES **9-12** **5 Credits**

Description: Art History: Art Through the Ages is an art history class that investigates the many roles of the visual arts and artists through historical, political, and other social contexts. This is a non-production art class that satisfies the fine arts graduation requirement. It is not a pre requisite for any other art course, but is highly recommended for enrollment in Advanced Studio Art.

Prerequisites: None

0704 COLOR AND DESIGN **9-12** **5 Credits**

Description: This course gives the student an opportunity to explore the expressive qualities of color and design theory. Projects will involve two-dimensional and three-dimensional media. This course satisfies the fine arts graduation requirement. It is not a prerequisite for any other art course.

Prerequisites: None

0705 ART FOUNDATIONS**9-12**

5 Credits

Description: This course enables students to communicate ideas through a variety of media and techniques. Students will work with the elements of art and the principles of design through exploration of both two-dimensional and three-dimensional art forms. In addition to art production, students will use a variety of learning strategies including reading, analyzing, and responding to develop a deeper understanding of art. This course satisfies the fine arts graduation requirement and is a prerequisite for all other art courses.

Prerequisites: None

0706 INTRODUCTION TO IB VISUAL ARTS**10-11****North only**

10 Credits

Description: This course will introduce the student to the IB perspective through art curriculum developed by Millard Public Schools. Students will be involved in studio production and the development of a research workbook. Studio production will emphasize the following: exploration of visual design, personal and global influences on artwork created, technical skill development, and production of work with imagination, originality and creativity. Research workbooks will emphasize personal research, awareness of cultural, historical and social dimensions of themes, examination of visual and functional qualities of art and relationship of visual and written self-expression. A variety of media will be incorporated into the curriculum. Projects will include the following: observational drawing, contour drawing, design concepts, fantasy and surrealism, and perspective units.

Prerequisites: Art Foundations

0709 COMMERCIAL GRAPHIC DESIGN**11-12**

5 Credits

Description: In Commercial Graphic Design, students will explore and experience the numerous aspects of computerized graphic design and advertising. A visual arts approach will be emphasized which includes the essential areas of typography, layout, design and illustration.

Prerequisites: Drawing

0710 POTTERY AND SCULPTURE**10-12**

5 Credits

Description: Pottery and Sculpture is a course in which students will explore a variety of hand-building and sculptural techniques. Introduction to the potter's wheel is covered as well as simple glaze methods. In addition to art production, students will use a variety of learning strategies including reading, responding, and analyzing to develop a deeper understanding of art.

Prerequisites: Art Foundations

0711 ADVANCED POTTERY AND SCULPTURE**10-12**

5 Credits

Description: This is a course that involves three-dimensional art production. Students learn advanced hand-building and sculpture techniques, further development on the potter's wheel, more complex glaze application, and surface decoration. In addition to art production, students will use a variety of learning strategies including reading, responding, and analyzing to develop a deeper understanding of art.

Prerequisites: Pottery and Sculpture

0720 DRAWING**10-12**

5 Credits

Description: Drawing is a course that provides students with an in-depth study of drawing techniques, processes, and media. In addition to art production, students will use a variety of learning strategies including reading, responding, and analyzing to develop a deeper understanding of art.

Prerequisites: Art Foundations

0721 ADVANCED DRAWING**10-12**

5 Credits

Description: This course provides the student an advanced experience in drawing techniques, composition development, and media. In addition to art production, students will use a variety of learning strategies including reading, responding, and analyzing to develop a deeper understanding of art.

Prerequisites: Drawing

0722 PAINTING**10-12**

5 Credits

Description: Painting is a course designed to give students an in-depth experience in painting techniques and media usage. Students will develop an understanding of realistic, abstract, and non-objective painting styles. In addition to art production, students will use a variety of learning strategies including reading, writing, and analyzing to develop a deeper understanding of art.

Prerequisites: Drawing

0727 IB VISUAL ARTS SL **11-12** **North only** 10 Credits

Description: IB Visual Arts SL will immerse the art student in a year-long experience of studio production and the completion of a research workbook. Emphasis will be placed on the studio production, with each student completing a body of work to be displayed and evaluated at the end of the year. Research workbooks will include student's personal research; awareness of cultural, historical and social dimensions of themes; examination of visual and functional qualities of art; and relationship of visual and written self-expression. The development of original ideas, the discovery of creative solutions, global study and the acquisition of technical skills by the student will be the core areas of evaluation at the end of the course in both the studio and workbook areas. The curriculum will involve a variety of problem solving units with an emphasis on the following: aesthetic qualities of a body of work, relationship between form and meaning in visual arts and the social and cultural functions of the visual arts.

Prerequisites: Introduction to IB Visual Arts

0728 IB VISUAL ARTS HL I **11** **North only** 10 Credits

Description: IB Visual Arts involves the advanced art student in year one of a two-year rigorous and comprehensive art program that combines both studio work and research in the form of a research workbook. Each student will be engaged in a two-year commitment to the development of ideas, discovery of creative solutions and acquisition of technical skills. Studio emphasis will be on the following: aesthetic quality of a body of work, relationship between form and meaning in visual arts and the social and creative functions of the visual arts. Each student will be responsible for a visual display of the portfolio by the teacher and an IB evaluator. Research workbooks will emphasize personal research; awareness of cultural, historical and social dimensions of themes; examination of visual and functional qualities of art; and relationship of visual and written self-expression.

Prerequisites: Introduction to IB Visual Arts

0729 IB VISUAL ARTS HL II **12** **North only** 10 Credits

Description: IB Visual Arts involves the advanced art student in the second of a two-year rigorous and comprehensive art program that combines both studio work and research in the form of a research workbook. Each student will be engaged in a two-year commitment to the development of ideas, discovery of creative solutions and the acquisition of technical skills. Studio emphasis will be on the following: aesthetic quality of a body of work, relationship between form and meaning in visual arts and the social and creative functions of the visual arts. Each student will be responsible for a visual display of the portfolio by the teacher and an IB evaluator. Research workbooks will emphasize personal research; awareness of cultural, historical and social dimensions of themes; examination of visual and functional qualities of art; and relationship of visual and written self-expression.

Prerequisites: IB Visual Arts HL I

0730 ADVANCED STUDIO ART **12** 10 Credits

Description: This is an intensive two-semester studio art class designed for the serious art student. Students will complete assigned projects each semester following the specific art curriculum. Artwork will be compiled into a personal portfolio. This portfolio can be used for possible submission to art schools or universities. Art History: Art Through the Ages is recommended, but not required.

Prerequisites: Advanced Drawing, plus two other offerings in the visual arts.

BUSINESS
BUSINESS COURSES BY AREA OF INTEREST

Interest Areas*	9th	10th	11th	12th
Accounting	0500 Personal Finance 0504 Keyboarding and Input Technology	0501 International Business 0502 Accounting I 0506 Computer Technology Applications	0501 International Business 0502 Accounting I 0510 Business Law 0508 Business Procedures 0507 Business Communications	0501 International Business 0503 Accounting II 0507 Business Communications 0508 Business Procedures 0512 Marketing I
Business Law	0500 Personal Finance	0501 International Business	0510 Business Law	0510 Business Law
Communications	0504 Keyboarding and Input Technology 0506 Computer Technology Applications	0519 Advanced Computer Technology Applications	0507 Business Communications	0507 Business Communications
Economics and Personal Finance	0500 Personal Finance	0501 International Business 0502 Accounting I	0502 Accounting I 0508 Business Procedures 0511 Fashion Marketing OR 0512 Marketing I 0540 AP Macroeconomics 0541 AP Microeconomics	0503 Accounting II 0507 Business Communications 0510 Business Law 0512 Marketing I 0540 AP Macroeconomics 0541 AP Microeconomics
Information Systems	0504 Keyboarding and Input Technology 0506 Computer Technology Applications	0519 Advanced Computer Technology Applications 0508 Business Procedures	0502 Accounting I 0507 Business Communications 0508 Business Procedures 0509 Business Procedures Internship	0503 Accounting II 0507 Business Communications 0508 Business Procedures 0509 Business Procedures Internship
Marketing	0500 Personal Finance 0504 Keyboarding and Input Technology	0501 International Business 0502 Accounting I 0506 Computer Technology Applications	0501 International Business 0502 Accounting I 0507 Business Communications 0510 Business Law 0511 Fashion Marketing OR 0512 Marketing I 0540 AP Macroeconomics 0541 AP Microeconomics	0501 International Business 0502 Accounting I 0507 Business Communications 0510 Business Law 0513 Marketing II 0514 Marketing Internship 0540 AP Macroeconomics 0541 AP Microeconomics

*Interest areas were originated from National Standards in Business.

BUSINESS

7

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
BUSINESS										
0500	Personal Finance	5	9-12	FL			•	•	•	•
0501	International Business	5	10-12				•	•	•	•
0502 A/B	Accounting I	10	10-12					•	•	•
0503 A/B	Accounting II	10	11-12		0502			•	•	•
0504	Keyboarding and Input Technology	5	9-12					•	•	•
0506	Computer Technology Applications	5	9-12	T			•	•	•	•
0507	Business Communications	5	11-12					•	•	•
0508 A/B	Business Procedures and Technology	10	10-12		0504†			•	•	•
0509 A/B	Business Procedures and Tech. Internship	10	11-12		0508†			•	•	•
0510	Business Law	5	11-12				•	•	•	•
0511 A/B	Fashion Marketing	10	11-12				•	•	•	•
0512 A/B	Marketing I	10	11-12					•	•	•
0513 A/B	Marketing II	10	11-12		0511 or 0512			•	•	•
0514 A/B	Marketing Internship	10	11-12		0513†			•	•	•
0519	Advanced Computer Technology Applications	5	9-12		0506			•	•	•
0540	Advanced Placement [®] Macroeconomics	5	11-12					•	•	•
0541	Advanced Placement [®] Microeconomics	5	11-12					•	•	•

T = Technology

FL = Financial Literacy

† = See course descriptions for additional requirements.

BUSINESS

0500 PERSONAL FINANCE

9-12

5 Credits

Description: Students will learn skills to manage their financial resources effectively for lifetime financial security. Students will gain knowledge of earning an income; understanding state and federal taxes; banking and financial services; balancing a checkbook; savings and investing; planning for retirement; understanding loans and borrowing money; understanding interest, credit card debt, and e-commerce; identity fraud and theft; understanding insurance; and understanding the financial impact and consequences of spending beyond one's means.

Prerequisites: None

0501 INTERNATIONAL BUSINESS

10-12

5 Credits

Description: Are you interested in knowing how businesses succeed worldwide? Do you want to prepare yourself for an international career? Learn how businesses meet the challenges of cultural, political and business differences. International economies, financing, social/cultural differences and career opportunities will be explored.

Prerequisites: None

0502 ACCOUNTING I

10-12

10 Credits

Description: Accounting is the universal language of business. Give yourself the tools to be successful in business by learning accounting as well as how to make a profit. This course teaches recording of financial transactions through manual and computerized problems. Spreadsheet applications and industry software are included. All college business majors are required to take college accounting. This course prepares you for college-level accounting.

Prerequisites: None

0503 ACCOUNTING II 11-12 10 Credits

Description: Take your understanding of accounting to the next level. This course expands your ability to analyze and interpret financial data. You will broaden your understanding of assets, liabilities and stockholders' equity accounts. Accounting II is strongly recommended for students planning college study in business fields.

Prerequisites: Accounting I

0504 KEYBOARDING AND INPUT TECHNOLOGY 9-12 5 Credits

Description: Reduce the amount of time it takes to key your papers on the computer! You will learn to format letters, papers, and reports while developing speed and accuracy. This course will provide the keyboarding skills needed for personal use, as well as introduce keyboarding for the workplace. Students will be introduced to graphics integration and e-mail protocol.

Prerequisites: None

0506 COMPUTER TECHNOLOGY APPLICATIONS 9-12 5 Credits

Description: Are you interested in computers? Students will use critical thinking and problem-solving skills as they complete projects using a variety of computer software. Students will scan and import graphics, use the Internet, develop web pages, use e-mail systems, understand computer ethics, explore input technologies and learn desktop publishing fundamentals. Keyboarding skills are recommended.

Prerequisites: None

0507 BUSINESS COMMUNICATIONS 11-12 5 Credits

Description: Learn effective written and oral business communication skills. Units of study include, but are not limited to the following: e-mail etiquette, international communication, listening skills, business letter writing, grammar and punctuation, business presentation, career development, teamwork, communication, and web page development.

Prerequisites: None

0508 BUSINESS PROCEDURES AND TECHNOLOGY 10-12 10 Credits

Description: Business Procedures and Technology will help students develop skills, concepts, and applications used in business today and to prepare for employment opportunities in today's rapidly changing business environment. Students will use computers and other technology to complete assignments.

Prerequisites: Keyboarding and Input Technology

0509 BUSINESS PROCEDURES AND TECHNOLOGY INTERNSHIP 11-12 10 Credits

Description: Prepare for employment through classroom instruction and supervised on-the-job training in a local business. The school coordinates both experiences. Students who perform satisfactorily receive school credit and are paid an hourly wage by the business. The business skills students need to use on the job can include customer service, cashiering, counter-related skills, accounting, record keeping, filing, photocopying, or other related business skills.

Prerequisites: The student must be concurrently enrolled in Business Procedures and Technology class. If students have taken this course previously, they may enroll in any business course with permission of the Business Procedures Internship instructor.

0510 BUSINESS LAW 11-12 5 Credits

Description: Through the use of case studies, current events, guest speakers and classroom activities, this course will explore principles and legal concepts used to make business decisions. This course will include a study of the legal system, law for minors, personal injury/torts, discrimination, contracts and other legal topics.

Prerequisites: None

0511 FASHION MARKETING 11-12 10 Credits

Description: What's hot in fashion? Learn how marketing influences what you wear. Explore the wide range of careers in the apparel industry. Emphasis will be on applying basic marketing (pricing, promotion, location analysis and product development) to the fashion market place. Students will study current fashion trends, designers, buying, fashion shows, and apparel management strategies. Students may take part in DECA, a marketing club which emphasizes leadership, civic activities, career simulation competition and social activities. Students may take Fashion Marketing or Marketing I.

Prerequisites: None

0512 MARKETING I **11-12** 10 Credits

Description: Eighty percent of all jobs require marketing related skills. Learn how a product/service moves from the initial stages of an idea to the consumer. Students will explore the basic functions of marketing: economics, pricing, promotion, product planning and place. This course is recommended for all students who plan to study business administration in college, future entrepreneurs, and those wishing to explore marketing careers. Students have the opportunity to participate in DECA, a marketing club, which emphasizes leadership, civic activities, career simulation competition and social activities. Students may take Marketing I or Fashion Marketing.

Prerequisites: None

0513 MARKETING II **11-12** 10 Credits

Description: Marketing II students apply the principles of marketing in a variety of activities. Students will develop a market research analysis of local business and promotional or business start-up plans. Students will use modern technology and computers to develop and make formal presentations. This course will include career guidance and study for preparation for a career in business. Students again will be able to take part in DECA, a marketing club, which emphasizes leadership, civic activities, career simulation competition and social activities.

Prerequisites: Marketing I or Fashion Marketing

0514 MARKETING INTERNSHIP **11-12** 10 Credits

Description: Marketing Internship is designed to provide students with marketing related work in communications with Marketing II class. Through part-time positions, students can enhance their skills in such areas as advertising, cashiering, customer service, display, employer and employee relationships, pricing, sales and stock keeping. Students must work an average of 10 hours per week to receive credit.

Prerequisites: Students must enroll in both Marketing II and Marketing Internship.

0519 ADVANCED COMPUTER TECHNOLOGY APPLICATIONS **9-12** 5 Credits

Description: Would you like to use your computer skills to get a job? This course gives students experience in integrating computer projects using word processing, spreadsheet, database, presentation, and publisher software, which might be encountered in a high tech company. Students will also get experience in multi-media projects using movie software. They will also gain web development experience using web software with graphics and animation capabilities. The emphasis is advanced integrated use of software leading to employment. Students will build a portfolio while developing electronic projects for class. School or community computer projects may also be provided to the Advanced Computer Technology Applications students. This course does not require a computer language/programming background.

Prerequisites: Computer Technology Applications

0540 ADVANCED PLACEMENT[®] MACROECONOMICS **11-12** 5 Credits

Description: Advanced Placement[®] Macroeconomics is a one-semester course detailing the principles and methods of understanding a mixed economic system. Prerequisite skills include the ability to read and comprehend mathematical and algebraic principles, as well as primary documents, texts and graphical analyses. Advanced Placement[®] Macroeconomics topics are highly sequential and require disciplined attendance and study habits. Economics topics include the nature of the economic problem and marginal thinking, price theory, comparing and contrasting competing economic models to explain issues of price stability, employment, and economic growth and fiscal and monetary policies which propose, describe, analyze, and evaluate economic goals in an international and global economy. Completion of this course will prepare students to take the Advanced Placement[®] Macroeconomics exam.

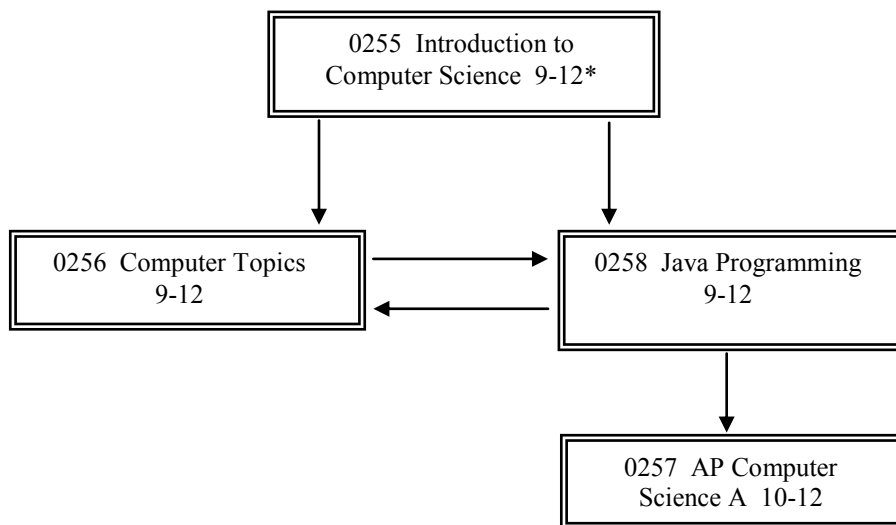
Prerequisites: None

0541 ADVANCED PLACEMENT[®] MICROECONOMICS **11-12** 5 Credits

Description: Advanced Placement[®] Microeconomics is a one-semester course detailing the principles of economics that apply to individual decision makers, both consumers and producers, within the economic system. Prerequisite skills include the ability to read and comprehend mathematical and algebraic principles, as well as primary documents, texts and graphical analyses. Advanced Placement[®] Microeconomics topics are highly sequential and require disciplined attendance and study habits. Economics topics include the nature and functions of product markets, factor markets and the role of government in promoting greater efficiency and equity in the economy. Completion of this course will prepare students to take the Advanced Placement[®] Microeconomics exam.

Prerequisites: None

COMPUTER SCIENCE



* Students must complete Geometry before taking Introduction to Computer Science.

COMPUTER SCIENCE

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
COMPUTER SCIENCE										
0255	Introduction to Computer Science	5	9-12	T				•	•	•
0256	Computer Topics	5	9-12		0255			•	•	•
0258	Java Programming	5	9-12		0255			•	•	•
0257 A/B	Advanced Placement [®] Computer Science A	10	10-12		0258			•	•	•

T = Technology

COMPUTER SCIENCE
0255 INTRODUCTION TO COMPUTER SCIENCE **9-12** 5 Credits

Description: Introduction to Computer Science, the first of four computer science courses offered in Millard, provides an exposure to computer technology. Students will design and write object-oriented computer programs, use databases and create web pages. Visual Basic.net is the primary language used in this course. Completion of this course is a prerequisite for other computer science courses and satisfies Millard's technology education graduation requirement.

This course does not count for mathematics credit.

Prerequisites: Geometry

0256 COMPUTER TOPICS **9-12** 5 Credits

Descriptions: In Computer Topics, students explore a variety of concepts: computer numbering systems, computer logic, structure of the central processing unit and microprocessor, multi-media, animation, fractal geometry, robotics and programming languages. Students will study areas of interest in depth. **This course does not count for mathematics credit.**

Prerequisites: Introduction to Computer Science

0258 JAVA PROGRAMMING **9-12** 5 Credits

Description: This course is a prerequisite to Advanced Placement[®] Computer Science and is designed for college-bound students who will take one or more semesters of computer programming in college. Students will solve problems using the Java programming language. **This course does not count for mathematics credit.**

Prerequisites: Introduction to Computer Science

0257 ADVANCED PLACEMENT[®] COMPUTER SCIENCE A **10-12** 10 Credits

Description: Advanced Placement[®] Computer Science A emphasizes object-oriented programming methodology with a concentration on problem solving and algorithm development and is meant to be the equivalent of a first-semester college-level course in Computer Science. It also includes the study of data structures, design, and abstraction. Completion of this course will prepare students to take the Advanced Placement[®] Computer Science exam. **This course does not count for mathematics credit.**

Prerequisites: Java Programming

ENGLISH LANGUAGE LEARNER (ELL) MILLARD SOUTH ONLY

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
ENGLISH LANGUAGE LEARNER (ELL)										
0989 A/B/C	ELL Basic Beginner	15	9-12		†				•	
0990 A/B/C	ELL Beginner	15	9-12		†				•	
0991 A/B	ELL Low Intermediate	10	9-12		†				•	
0992	ELL High Intermediate	5	9-12		†				•	
0993	ELL Advanced	5	9-12		†				•	

† = See course descriptions for additional requirements.

ENGLISH LANGUAGE LEARNER (ELL)

0989 ELL BASIC BEGINNER (LEVEL 1)

9-12

15 Credits

Description: This course is designed for students who are beginning to learn English as an additional language. Students enroll in three sections of this course. Students acquire English language skills through content-based instruction in the four domains of language use: reading, writing, speaking and listening. The curriculum focuses on “survival English” and emphasizes development of vocabulary. Students begin to write words, sentences and paragraphs in English. Students read fiction and non-fiction works that support grade-level content themes at the appropriate level of reading difficulty.

Prerequisites: Qualification as Limited English Proficient (LEP) by the ELL Department.

0990 ELL BEGINNER (LEVEL 2)

9-12

15 Credits

Description: This course is designed for students who have begun to learn English as an additional language, but still require language support. Students enroll in three sections of this course. Students acquire English language skills through content-based instruction in the four domains of language use: reading, writing, speaking and listening. Reading and writing instruction are heavily emphasized. Students read fiction and non-fiction works that support grade-level content themes at the appropriate level of reading difficulty.

Prerequisites: Qualification as Limited English Proficient (LEP) by the ELL Department and/or demonstration of mastery of objectives of ELL Basic Beginner course.

0991 ELL LOW INTERMEDIATE (LEVEL 3)

9-12

10 Credits

Description: This course is designed for students who are learning English as an additional language. Students enroll in two sections of this course. Students acquire English language skills through content-based instruction in the four domains of language use: reading, writing, speaking and listening. Reading and writing instruction are heavily emphasized. Students read fiction and non-fiction works that support grade-level content themes at the appropriate level of reading difficulty.

Prerequisites: Qualification as Limited English Proficient (LEP) by the ELL Department and/or demonstration of mastery of objectives of ELL Beginner course.

0992 ELL HIGH INTERMEDIATE (LEVEL 4)**9-12**

5 Credits

Description: This course is designed for students who are learning English as an additional language. Students enroll in one section of this course. Students acquire English language skills through content-based instruction in the four domains of language use: reading, writing, speaking and listening. Reading and writing instruction are heavily emphasized. Students read fiction and non-fiction works that support grade-level content themes at the appropriate level of reading difficulty.

Prerequisites: Qualification as Limited English Proficient (LEP) by the ELL Department and/or demonstration of mastery of objectives of ELL Low Intermediate course.

0993 ELL ADVANCED (LEVEL 5)**9-12**

5 Credits

Description: This course is designed for students who are learning English as an additional language. Students enroll in one section of this course. Students acquire English language skills through content-based instruction in the four domains of language use: reading, writing, speaking and listening. Reading and writing instruction are heavily emphasized. Students read fiction and non-fiction works that support grade-level content themes at the appropriate level of reading difficulty.

Prerequisites: Qualification as Limited English Proficient (LEP) by the ELL Department and/or demonstration of mastery of objectives of ELL High Intermediate course.

FAMILY AND CONSUMER SCIENCE

Interest	9 th	10 th	11 th	12 th
Textiles	0520 Interior Design 0533 Clothing, Textiles & Design 0522 Creative Textiles	0520 Interior Design 0533 Clothing, Textiles & Design 0522 Creative Textiles	0520 Interior Design 0533 Clothing, Textiles & Design 0522 Creative Textiles	0520 Interior Design 0533 Clothing, Textiles & Design 0522 Creative Textiles
Foods & Nutrition	0523 Foods for Today 0532 International Foods	0523 Foods for Today 0532 International Foods 0525 Culinary Skills	0523 Foods for Today 0532 International Foods 0525 Culinary Skills	0523 Foods for Today 0532 International Foods 0525 Culinary Skills
Human Development & Family		0526 Everyday Living	0526 Everyday Living 0527 Child Development 0528 Adult Living	0527 Child Development 0528 Adult Living

Everyday Living is required of all students to meet state-mandated health education requirements. This course may be taken during the 10th or 11th grade.

Students who have enrolled in Family & Consumer Science courses may participate in FCCLA (Family, Career, and Community Leaders of America).

Textiles

0520 Interior Design
0533 Clothing, Textiles & Design
0522 Creative Textiles

Foods & Nutrition

0523 Foods for Today
0532 International Foods
0525 Culinary Skills

Human Development & Family

0526 Everyday Living
0527 Child Development
0528 Adult Living

0527 Child Development 0528 Adult Living

FCS courses which fulfill the Human Resource Graduation Requirement
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Materials for basic projects will be provided; however, students who select specialized projects may be required to purchase extra materials. Students may donate money, materials, or equipment to defray cost of consumable materials or provide appropriate personal equipment. Students who qualify for free and reduced waivers should discuss costs with their instructors.

FAMILY AND CONSUMER SCIENCE

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
FAMILY AND CONSUMER SCIENCE										
0520	Interior Design	5	9-12				•	•	•	•
0533	Clothing, Textiles & Design	5	9-12					•	•	•
0522	Creative Textiles	5	9-12					•	•	•
0523	Foods for Today	5	9-12					•	•	•
0532	International Foods	5	9-12					•	•	•
0525	Culinary Skills	5	10-12					•	•	•
0526	Everyday Living	5	10-11	H			•	•	•	•
0527	Child Development	5	11-12	HR			•	•	•	•
0528	Adult Living	5	11-12	HR			•	•	•	•

HR = Human Resources

H = Health

FAMILY AND CONSUMER SCIENCE

0520 INTERIOR DESIGN**9-12****5 Credits**

Description: Learn to decorate interior spaces. Students will evaluate and create floor plans and customize decorating through the selection of flooring, wall covering, window treatments, furniture and accessories. This project-oriented class will use computers, field trips and speakers to explore interior design.

Prerequisites: None

0533 CLOTHING, TEXTILES & DESIGN**9-12****5 Credits**

Description: Design and create your own textile project(s). Explore careers in the textile, clothing and design industry as well as refine personal and professional images. Computerized sewing machines, patterns and small equipment will be used to complete projects.

Prerequisites: None

0522 CREATIVE TEXTILES**9-12****5 Credits**

Description: Explore creative design and sewing techniques in this project-oriented class. Create projects of your choice by applying a variety of techniques to redesign clothing and create interior accessories.

Prerequisites: None

0523 FOODS FOR TODAY**9-12****5 Credits**

Description: Explore food preparation, nutrition and meal planning for today's busy lifestyle. Students will participate in lab experiences and use electronic resources, cookbooks and textbooks to learn about food.

Prerequisites: None

0532 INTERNATIONAL FOODS**9-12****5 Credits**

Description: Travel the world without leaving home. Students will apply cooking techniques in the preparation of foods from many countries/cultures. Students will understand the influences on American food heritage and explore how foods reflect customs and traditions.

Prerequisites: None

0525 CULINARY SKILLS**10-12**

5 Credits

Description: Learn the fundamentals of the culinary arts by applying the principles of food preparation and presentation. Participate in labs and related classroom studies, discuss the how and why of cooking, and gain confidence in skills and techniques. This course is articulated with Metropolitan Community College (page 141).

Prerequisites: None

0526 EVERYDAY LIVING**10-11**

5 Credits

Description: Everyday Living is a semester course in health education and human growth and development, available to 10th or 11th grade students to fulfill graduation requirements. This course addresses the emotional, intellectual, and physical needs of the adolescent: information, guidance, and support in making responsible life decisions.

The curriculum is designed to meet local, state and federal mandates for dating violence, drug education and comprehensive health education as well as the needs of this age of adolescence. It is a comprehensive study of self-concept, drug use and abuse, divorce, death and loss, suicide, violence, stress, aging, friendships and dating, and understanding human sexuality. Information will be used by students as they practice critical thinking regarding their personal lives, apply problem solving and decision-making skills, and deal with peer pressure. A pro-abstinence approach is taken in the understanding of sexuality unit.

Throughout this course, the seven core values of the eighth grade comprehensive health course are again highlighted. Those values of self-control, social justice, promise keeping, respect, equality, honesty and responsibility are incorporated into lessons and student activities. Communication with families and use of community resources will be encouraged.

Current Board policy enables parents/guardians to request, for philosophical, religious, or ideological reasons, that their son/daughter be excused from units within this course or this graduation requirement. Students excused from Everyday Living would register for one of the Human Resource courses as a replacement. This replacement course, along with the current requirement that all students take one of the Human Resource courses, means that students excused from Everyday Living will be required to take two of the Human Resource courses to fulfill the graduation requirement. Parent/Guardians should contact the principal's office for direction and assistance.

Prerequisites: None

0527 CHILD DEVELOPMENT**11-12**

5 Credits

Description: Learn what it takes to create a positive environment for children! Explore the impact of childcare and parenting on the first years of development through interaction with babies, toddlers, preschoolers, guest speakers, and possible field trips. This course is a good choice for anyone interested in a professional or technical career, or for personal growth and practical experience. This course will help prepare for careers in education, coaching, medicine, childcare, and counseling as well as future parenting. Child Development fulfills the Human Resource graduation requirement. This course is articulated with Metropolitan Community College (page 141).

Prerequisites: None

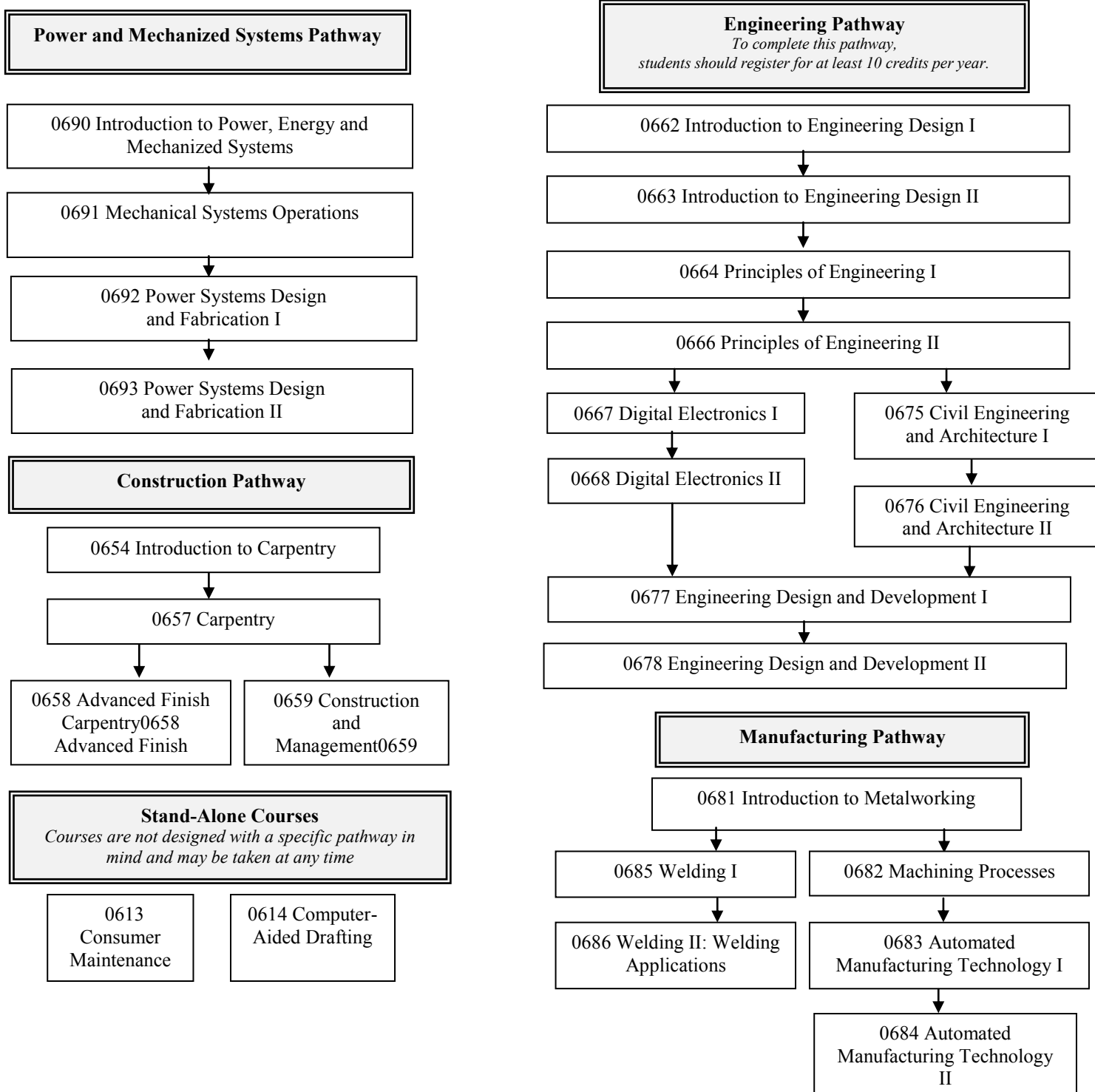
0528 ADULT LIVING**11-12**

5 Credits

Description: You're moving on and getting ready to be on your own. Learn skills to prepare for real life situations. Topics include money management, relationships through the life cycle, health through the life cycle, and career and life plan. This course fulfills the Human Resource graduation requirement.

Prerequisites: None

INDUSTRIAL TECHNOLOGY



Students who complete a single pathway are encouraged to expand their knowledge through an additional pathway. Students should begin the second pathway with the course listed below (which in some cases exempts them from a prerequisite course):

- Power and Mechanized Systems Pathway: Introduction to Power, Energy and Mechanized Systems
- Engineering Pathway: Introduction to Engineering Design I
- Construction Pathway: Carpentry
- Manufacturing Pathway: Machining Processes or Welding I

Materials for basic projects will be provided; however, students who select specialized projects may be required to purchase extra materials. Students may donate money, materials, or equipment to defray the cost of consumable materials or provide appropriate personal equipment. Students who qualify for free and reduced waivers should discuss cost with their instructors.

INDUSTRIAL TECHNOLOGY

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
INDUSTRIAL TECHNOLOGY										
Construction Pathway										
0654	Introduction to Carpentry	5	9-12					•	•	•
0657	Carpentry	5	9-12		0654			•	•	•
0658	Advanced Finish Carpentry	5	9-12		0657			•	•	•
0659	Construction and Management	5	9-12		0657			•	•	•
Engineering Pathway										
0662	Introduction to Engineering Design I	5	9-12	T				•	•	•
0663	Introduction to Engineering Design II	5	9-12		0662			•	•	•
0664	Principles of Engineering I	5	9-12		0663			•	•	•
0666	Principles of Engineering II	5	9-12		0664			•	•	•
0667	Digital Electronics I	5	10-12		0666			•	•	•
0668	Digital Electronics II	5	10-12		0667			•	•	•
0675	Civil Engineering and Architecture I	5	10-12		0663			•	•	•
0676	Civil Engineering and Architecture II	5	10-12		0675			•	•	•
0677	Engineering Design and Development I	5	11-12		0676			•	•	•
0678	Engineering Design and Development II	5	11-12		0677			•	•	•
Manufacturing Pathway										
0681	Introduction to Metalworking	5	9-12					•	•	•
0682	Machining Processes	5	9-12		0681			•	•	•
0683 A/B	Automated Manufacturing Technology I	10	9-12		0682			•	•	•
0684 A/B	Automated Manufacturing Technology II	10	9-12		0683			•	•	•
0685	Welding I	5	9-12		0681			•	•	•
0686	Welding II: Welding Applications	5	9-12		0685			•	•	•
Power, Energy and Mechanized Systems Pathway										
0690	Introduction to Power, Energy, and Mechanized Systems	5	9-12					•	•	•
0691	Mechanical Systems Operations	5	9-12		0690			•	•	•
0692	Power Systems Design and Fabrication I	5	10-12		0691			•	•	•
0693	Power Systems Design and Fabrication II	5	10-12		0692			•	•	•
Stand-Alone Courses										
0613	Consumer Maintenance	5	9-12					•	•	•
0614	Computer-Aided Drafting	5	9-12				•	•	•	•

T = Technology

INDUSTRIAL TECHNOLOGY

STAND-ALONE COURSES

0613 CONSUMER MAINTENANCE **9-12** 5 Credits

Description: Consumer Maintenance is an exploratory level course for all future homeowners. This course will introduce the learner to consumer knowledge and maintenance skills in the areas of masonry, carpentry, plumbing, electricity, insulation, drywall, interior wall finish, exterior wall finish and repair, appliance repair, furnace maintenance, small engines, and basic auto repair. The students will also explore career opportunities in these areas.

Prerequisites: None

0614 COMPUTER-AIDED DRAFTING **9-12** 5 Credits

Description: Computer-Aided Drafting introduces the students to the software tools and techniques used in the drafting industry. Activities prepare the students for design communication in all areas of industrial technology.

Prerequisites: None

CONSTRUCTION PATHWAY

0654 INTRODUCTION TO CARPENTRY **9-12** 5 Credits

Description: Introduction to Carpentry provides instruction in the use and care of hand tools and portable power equipment. Fundamental principles of construction design, fabrication, and career exploration are also addressed.

Prerequisites: None

0657 CARPENTRY **9-12** 5 Credits

Description: Carpentry provides students with the introductory skills and knowledge needed to correctly perform construction/woodworking operations using hand tools and power equipment. Instruction emphasizes safe, proper operation and care of equipment, selection of construction materials, understanding processes, and the importance of design.

Prerequisites: Introduction to Carpentry

0658 ADVANCED FINISH CARPENTRY **9-12** 5 Credits

Description: Advanced Finish Carpentry provides students with advanced skills and knowledge needed to perform upper level construction/woodworking operations using power equipment. Students will obtain job-related, entry-level skills in cabinet design, material selection, and construction.

Prerequisites: Carpentry

0659 CONSTRUCTION AND MANAGEMENT **9-12** 5 Credits

Description: Construction and Management provides students with a hands-on career exploratory experience in the construction industry. Students will study surveying and site preparation, residential construction styles, foundations, framing, roofing, siding, and applying construction management skills to build a physical structure. Emphasis will be placed on basic entry-level skills, demonstration of employability skills, and development of an awareness of the opportunities in the building trades.

Prerequisites: Carpentry

ENGINEERING PATHWAY

The following engineering courses are part of *Project Lead the Way*[®], a nationally-recognized Science, Technology, Engineering, and Mathematics (STEM) curriculum.

To complete this pathway, students should register for at least 10 credits per year.

0662 INTRODUCTION TO ENGINEERING DESIGN I **9-12** 5 Credits

Description: Introduction to Engineering Design I encourages students to use a problem-solving model to improve existing products and invent new ones. They learn how to apply this model to solve any problems, even outside of the classroom. Students use sophisticated three-dimensional modeling software to communicate the details of these products. Emphasis is placed on analyzing potential solutions and communicating ideas to others. This course fulfills the Technology Education Graduation Requirement.

Prerequisites: None

0663 INTRODUCTION TO ENGINEERING DESIGN II **9-12** 5 Credits

Description: Introduction to Engineering Design II continues to encourage students to use a problem-solving model to improve existing products and invent new ones. They learn how to apply this model to solve any problems, even outside of the classroom. Students use sophisticated three-dimensional modeling software to communicate the details of these products. Emphasis is placed on analyzing potential solutions and communicating ideas to others.

Prerequisites: Introduction to Engineering Design I

0664 PRINCIPLES OF ENGINEERING I **9-12** 5 Credits

Description: Principles of Engineering I helps students understand the field of engineering/engineering technology. Exploring various technology systems and manufacturing processes help students learn how engineers and technicians use math, science, and technology in an engineering problem-solving process to benefit people.

Prerequisites: Introduction to Engineering Design II

0666 PRINCIPLES OF ENGINEERING II **9-12** 5 Credits

Description: Principles of Engineering II continues to help students understand the field of engineering/engineering technology. Exploring various technology systems and manufacturing processes help students learn how engineers and technicians use math, science, and technology in an engineering problem-solving process to benefit people.

Prerequisites: Principles of Engineering I

0667 DIGITAL ELECTRONICS I **10-12** 5 Credits

Description: Digital Electronics I explores the application of electronic circuits and devices. Students use their knowledge of both computer simulation and breadboards to design, build and test their own circuits. Students will use a mathematical logic approach to simplify complex circuits.

Prerequisites: Principles of Engineering II

0668 DIGITAL ELECTRONICS II **10-12** 5 Credits

Description: Digital Electronics II continues to explore the application of electronic circuits and devices. Students use their knowledge of both computer simulation and breadboards to design, build and test their own circuits. Students will use a mathematical logic approach to simplify complex circuits.

Prerequisites: Digital Electronics I

0675 CIVIL ENGINEERING AND ARCHITECTURE I **10-12** 5 Credits

Description: Civil Engineering and Architecture I utilizes teams of students to collaborate on the development of community-based projects and conceptual design for project presentations.

Prerequisites: Principles of Engineering II

0676 CIVIL ENGINEERING AND ARCHITECTURE II **10-12** 5 Credits

Description: Civil Engineering and Architecture II continues to utilize teams of students to collaborate on the development of community-based projects and conceptual design for project presentations.

Prerequisites: Civil Engineering and Architecture I

0677 ENGINEERING DESIGN AND DEVELOPMENT I 11-12 5 Credits

Description: Engineering Design and Development I is an engineering research course in which students work in teams to research, design, and construct a solution to an open-ended engineering problem.

Prerequisites: Civil Engineering and Architecture II or Digital Electronics II

0678 ENGINEERING DESIGN AND DEVELOPMENT II 11-12 5 Credits

Description: Engineering Design and Development II is an engineering research course in which students work in teams to research, design, and construct a solution to an open-ended engineering problem.

Prerequisites: Engineering Design and Development I

MANUFACTURING PATHWAY

0681 INTRODUCTION TO METALWORKING 9-12 5 Credits

Description: Introduction to Metalworking introduces the student to tools, materials, and manufacturing techniques and processes in the areas of welding, sheet metal, foundry, plastics, and bench metals.

Prerequisites: None

0682 MACHINING PROCESSES 9-12 5 Credits

Description: Machining Processes develops technical skills in the areas of machining, foundry, bench metal, and sheet metal. The student will create simple sketches and apply the menus in drafting software while learning turning and milling operations and computerized machining.

Prerequisites: Introduction to Metalworking

0683 AUTOMATED MANUFACTURING TECHNOLOGY I 9-12 10 Credits

Description: Automated Manufacturing Technology I provides advanced skill development in machining, foundry, and sheet metal. The student will also become familiar with Computer Numerical Control (C.N.C.) lathe and milling operations, program writing, and Computer Aided Manufacturing (C.A.M.) which allows the student to design, program, and produce a product through computer use.

Prerequisites: Machining Processes

0684 AUTOMATED MANUFACTURING TECHNOLOGY II 9-12 10 Credits

Description: Automated Manufacturing Technology II is a continuation of Automated Manufacturing Technology I. An introduction to machines, tools and processes associated with the machine trade is included. Fundamentals in bench layout, basic machine tool operation and metal removal processes, measuring devices and classifications of materials in industry are explored.

Prerequisites: Automated Manufacturing Technology I

0685 WELDING I 9-12 5 Credits

Description: Welding I develops welding skills in flat position arc, oxyacetylene welding, brazing, and gas and plasma cutting, gas metal arc and gas tungsten arc welding.

Prerequisites: Introduction to Metalworking

0686 WELDING II: WELDING APPLICATIONS 9-12 5 Credits

Description: Welding II: Welding Applications covers fundamental understanding and skills in the safe use of arc welding equipment. Typical operations include striking the arc, making fillet welds in the flat and horizontal positions and groove welds in the flat position. A variety of methods are used to examine the weldments.

Prerequisites: Welding I

POWER, ENERGY, AND MECHANIZED SYSTEMS PATHWAY

0690 INTRODUCTION TO POWER, ENERGY, AND MECHANIZED SYSTEMS 9-12 5 Credits

Description: Introduction to Power, Energy, and Mechanized Systems uses multiple hands-on experiences to demonstrate how power is produced and mechanisms are utilized to move a vehicle from point A to point B faster, farther, and more efficiently. Through individual and group projects, students will be challenged to engineer, construct and test vehicles using mechanical, electrical, wind, solar, and chemical power. When this course is completed, students will have a better understanding of basic concepts of engineering, mechanical, electrical, and problem solving skills. Students will also gain a better understanding of potential careers and additional courses available in the Power, Energy, and Mechanized Systems Pathway.

Prerequisites: None

0691 MECHANICAL SYSTEMS OPERATIONS 9-12 5 Credits

Description: Mechanical Systems Operations offers students an exciting platform for learning. Through a compelling computer-based curriculum, hands-on programmable robotics projects, and dramatic challenges, students will build, program and operate their own robot; gain knowledge of electrical mechanisms and sensor technology; and work in teams and individually to problem solve real-life challenges.

Prerequisites: Introduction to Power, Energy, and Mechanized Systems

0692 POWER SYSTEMS DESIGN AND FABRICATION I 10-12 5 Credits

Description: Power Systems Design and Fabrication I is the first part of the capstone class for the Power Systems Pathway. Students will start the process of designing, engineering and constructing a project that explores electrical-powered applications. Students will apply math, science, electrical engineering design, electrical and mechanical skills, and team-based problem solving.

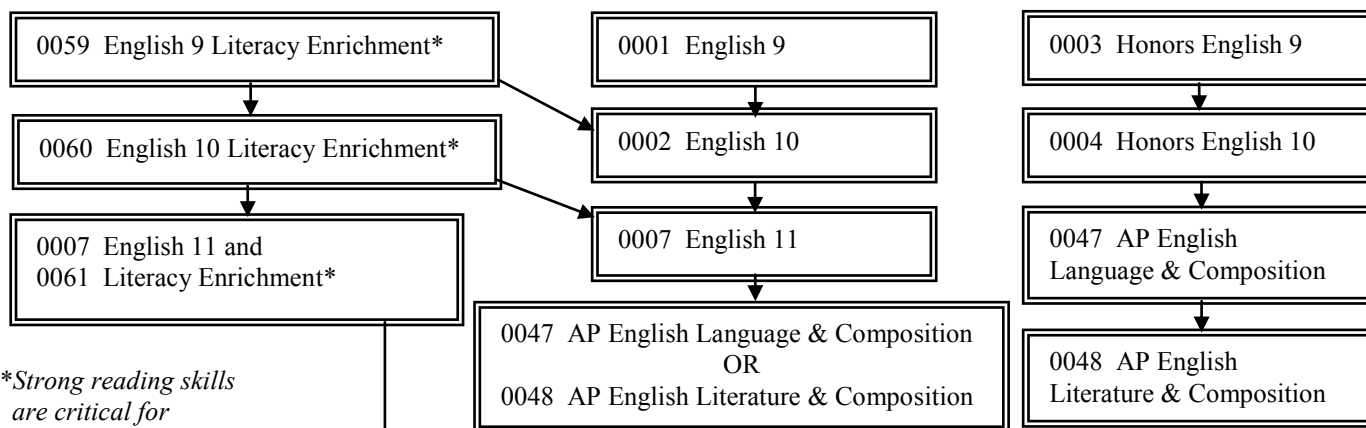
Prerequisites: Mechanical Systems Operations

0693 POWER SYSTEMS DESIGN AND FABRICATION II 10-12 5 Credits

Description: Power Systems Design and Fabrication II is the final part of the capstone class for the Power Systems Pathway. Students will finish the process of designing, engineering and constructing a project. Through team work, students will continue to apply engineering, electrical, fabricating and mechanical skills. Students will then have the opportunity to showcase their work in a variety of ways in our community.

Prerequisites: Power Systems Design and Fabrication I

LANGUAGE ARTS Preferred Sequences



**Strong reading skills are critical for success in high school, college and the work place. These courses fulfill the English requirement for Grades 9 and 10 while also providing elective credits. Selected students who have the need for further development and improvement of reading and writing skills and strategies are recommended for these courses.*

English Selected Electives

0067 Global Perspective through Literature	0063 Literacy for Life II
0033 Creative Writing	0065 Literature and Film
0035 Research Methods	0068 Contemporary Literature
0062 Literacy for Life I	0069 21 st Century Media Literacy

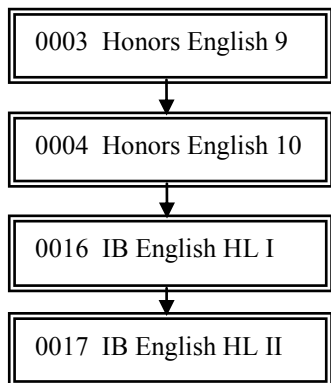
Oral Communications Requirement
Students must take at least one of the following in high school.

- 0020 Speech
- 0022 Debate I
- 0021 Forensics

At North High School the combination of IB Language A1 and IB Language B and Theory of Knowledge I and II satisfies this requirement.

When planning for post-secondary coursework, note that most universities require four full years of English. Speech or Debate may not count as English for some colleges.

Sequence for North High IB Students



Additional General Electives: do not fulfill English credit

0024 Drama I	Satisfies Fine Arts requirement
0025 Drama II	
0039 Theatre Appreciation	Satisfies Fine Arts requirement
0026 Theatre Technology	
0064 Intro to Journalism	
0066 Advanced Journalism	
0013 Yearbook	
0014 Intro to Photojournalism	North High and South High only
0020 Speech	
0022 Debate I	
0021 Forensics	
0023 Advanced Debate	
0073 IB Film SL	North High only
0074 IB Film HL I	North High only
0075 IB Film HL II	North High only

LANGUAGE ARTS

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
LANGUAGE ARTS										
0001 A/B	English 9	10	9			•	•	•	•	•
0059 A/B	English 9 Literacy Enrichment	10/10	9		†	•	•	•	•	•
0003 A/B	Honors English 9	10	9			•		•	•	•
0002 A/B	English 10	10	10		0001 or 0059	•	•	•	•	•
0060 A/B	English 10 Literacy Enrichment	10/10	10		†	•	•	•	•	•
0004 A/B	Honors English 10	10	10		0003	•		•	•	•
0007 A/B	English 11	10	11		0002 or 0060	•	•	•	•	•
0061 A/B	Literacy Enrichment	10	11		†		•	•	•	•
0047 A/B	AP English Language & Composition	10	11-12		0004 or 0007	•		•	•	•
0048 AB	AP English Literature & Composition	10	12		0004 or 0007	•		•	•	•
0016 A/B	IB English HL I	10	11		0004	•		•		
0017 A/B	IB English HL II	10	12		0016	•		•		
English Electives										
0067	Global Perspective Through Literature	5	12		0004 or 0007	•		•	•	•
0062	Literacy for Life I	5	12				•	•	•	•
0063	Literacy for Life II	5	12				•	•	•	•
0068	Contemporary Literature	5	11-12		0004 or 0007	•	•	•	•	•
0033	Creative Writing	5	11-12		0004 or 0007	•	•	•	•	•
0065	Literature and Film	5	11-12		0004 or 0007	•		•	•	•
0035	Research Methods	5	11-12		0004 or 0007	•		•	•	•
0069	21st Century Media Literacy	5	11-12		0004 or 0007			•	•	•
Oral Communications										
0020	Speech	5	9-12	OC		•	•	•	•	•
0021 A/B	Forensics	10	9-12	OC	†	•		•	•	•
0022	Debate I	5	9-12	OC		•		•	•	•
0023 A/B	Advanced Debate	10	10-12		0020, 0021 or 0022			•	•	•
Drama										
0024	Drama I	5	9-12	F				•	•	•
0025	Drama II	5	9-12		0024			•	•	•
0026	Theatre Technology	5	9-12		0024 or 0039			•	•	•
0039	Theatre Appreciation	5	9-12	F				•	•	•
Journalism										
0064	Intro to Journalism	5	9-12					•	•	•
0066 A/B	Advanced Journalism (20 credits at WHS)	10	10-12		0064 or 0014†			•	•	•
0013 A/B	Yearbook (20 credits at WHS)	10	10-12		0064 or 0014†			•	•	•
0014	Intro to Photojournalism	5	9-12					•	•	
0073 A/B	IB Film SL	10	11-12					•		
0074 A/B	IB Film HL I	10	11					•		
0075 A/B	IB Film HL II	10	12		0074			•		

F = Fine and Performing Arts

OC = Oral Communications

† = See course descriptions for additional requirements.

Once the student has successfully completed Advanced Debate, Advanced Journalism, Forensics, Drama II, Theatre Technology or Yearbook, the course may be repeated for elective credit (pending available space).

LANGUAGE ARTS

0001 ENGLISH 9 9 10 Credits

Contemporary Literature

Description: This course provides students with the opportunity to analyze, interpret, and respond to multiple genres of contemporary literature including short stories, novels, poetry, drama, memoirs, film, non-fiction, and visual texts. Students will be introduced to analytical writing, writing in response to texts, and writing based on audience and purpose instead of structure. Contemporary literature will be defined as texts composed during and after 1960. Students will examine these texts as a reflection of the past, a mirror of the present and an indicator of the future. Areas of exploration will include the following: Social Responsibility, Relationships, and Individual Empowerment.

Prerequisites: None

0002 ENGLISH 10 10 10 Credits

Literature of Western Civilization

Description: In Literature of Western Civilization, students will advance their language skills through reading, writing, speaking, and multiple literacies. Students will examine the literary history of Western Civilization through its impact on contemporary culture using a multitude of texts including short stories, novels, poetry, non-fiction, drama, and visual texts. Students will use literacy skills to create a variety of purposeful and relevant products including, but not limited to, essays, presentations, and creative critical thinking activities. Students will analyze multiple literacies through print and advanced multi-media to function within the demands of the 21st century.

Prerequisites: English 9 or English 9 Literacy Enrichment

0003 HONORS ENGLISH 9 9 10 Credits

Connections of Western Literature to Contemporary Literature

Description: Honors English 9 provides an extension of curriculum from contemporary and western literature with an emphasis on advanced writing, reading, speaking, and listening skills. This course will develop culturally literate people who use academic discourse to communicate effectively. Students who take this course are expected to be self-motivated learners with strong reading, writing, and critical thinking skills.

Prerequisites: None

0004 HONORS ENGLISH 10 10 10 Credits

American Perspectives through Literature

Description: This course is designed for students who have high levels of language competencies and who enjoy an academic challenge. This course will develop culturally literate people who use academic discourse to communicate effectively. The content used to complete these goals explores American traditions.

Prerequisites: Honors English 9

0007 ENGLISH 11 11 10 Credits

American Perspectives through Literature

Description: Through this course, students will question how American literature reflects the identities and cultures of the United States. Students will become adept at analyzing increasingly challenging texts from a variety of genres through cultural, racial, and gender perspectives in historical and contemporary American literature. By analyzing the author's views and social context, students will delve into deeper understanding of language, literature, and the writing process. Students will study a variety of texts including short stories, novels, poetry, drama, fiction, non-fiction, and visual text. Students will be assessed using a variety of methods including, but not limited to, essays, presentations, and creative critical thinking activities.

Prerequisites: English 10 or English 10 Literacy Enrichment

0013 YEARBOOK 10-12 10 Credits (20 at WHS)

Description: Students will expand the skills of interviewing, reporting, journalistic writing, editing, photography, and design learned in an introductory course to create the yearbook. The nature of this time-sensitive publication requires students to meet non-negotiable deadlines. The ability to complete assignments independently is required.

Prerequisites: Teacher approval based on performance in Intro to Journalism or Intro to Photojournalism. Upon successful completion, this course may be repeated for elective credit (pending available space).

0014 INTRO TO PHOTOJOURNALISM **9-12** **North and South only** 5 Credits

Description: Students in this course will practice the craft of storytelling and reporting through photography. This class will focus on the basics of photography and taking images appropriate for publications. Interviewing, caption writing, editing, photo ethics, and digital file management will also be practiced. Students will prepare images for publication using technology specific to the industry standard. Out-of-class assignments are required, so a camera is highly recommended. Teacher approval based on performance in this course is a prerequisite for placement on publication staffs.

Prerequisites: None

0016 IB ENGLISH HL I **11** **North only** 10 Credits

Description: IB English HL I consists of Part 4 and Part 1 of the IB English curriculum for testing. Part 4 is the “school’s free choice” section which utilizes selections from the IB reading list that encompass the theme Individual and Society. IB required testing over these works is a prepared ten-minute oral presentation. The presentation is worth 15% of the IB English grade. Part 1 is “World Literature” which includes selections from the IB reading list. Part 1 culminates in the writing/preparation of two World Literature papers. Each paper is 10% of the final IB English grade. Students must possess a high level of commitment to close, detailed, and critical examination of world literature. Skills in studying, organizing, and managing time outside of class are essential, as well as the ability to communicate orally.

Prerequisites: Honors English 10

0017 IB ENGLISH HL II **12** **North only** 10 Credits

Description: IB English HL II consists of Part 2 and Part 3 of the IB English curriculum for testing. Part 2 is the “detailed study” section where students study in detail some of the most important works and/or authors in the major genres of their respective Language A1. All selections are chosen from the IB reading list. IB required testing over these works is a formal oral commentary. The presentation is worth 15% of the IB English grade. Part 3 is “groups of works” which includes selections from the IB reading list. Here, groups of works are selected from the same genre category and studied in depth. Part 3 culminates in the writing of two papers, a commentary and an essay. Each is worth 25% of the English IB grade. Students should be able to think at higher levels such as inference, interpretation, compare-contrast, cause-effect, analysis, evaluation, and speculation. They should be able to write a well-organized, well-supported multi-paragraph essay. Students will be required to reach within themselves to interpret literature using appropriate approaches and techniques.

Prerequisites: IB English HL I

0020 SPEECH **9-12** 5 Credits

Description: This is an introductory course designed to assist students in understanding and improving their skills of effective intrapersonal and interpersonal communication. Speech is a performance-based course that will allow students to apply the skills learned in class using a variety of activities appropriate for the four required areas: job interview, group project, public speaking, and listening and note taking. In addition, all students will complete a mock job interview unit which assists in meeting one of the Personal Learning Plan (PLP) graduation requirements. This course also satisfies the Oral Communications graduation requirement.

Prerequisites: None

0021 FORENSICS **9-12** 10 Credits

Description: Forensics is a two semester course designed for students interested in competitive speaking and acting activities. This course is developed around competitive events sanctioned by the Nebraska School Activities Association and National Forensics League. Most students specialize in selective areas including public speaking, oral interpretation, and acting. Students will develop advanced public speaking, research, writing, and critical thinking skills. This course fulfills the Oral Communication graduation requirement for the Millard Public Schools. Students will be expected to participate in tournaments, most of which will take place on weekends. In addition, all students will complete a mock job interview unit which assists in meeting one of the Personal Learning Plan (PLP) graduation requirements.

Prerequisites: Interest in competitive speaking. This class may be repeated with permission of the instructor. Upon successful completion, this course may be repeated for elective credit (pending available space).

0022 DEBATE I **9-12** 5 Credits

Description: Debate I is a semester course designed to introduce students to the theory and practice of academic debate. The course will focus on argumentation, research, and delivery skills. In-class debate will be used to measure student understanding and application of skills. This course fulfills the Oral Communications graduation requirement. In addition, all students will complete a mock job interview unit which assists in meeting one of the Personal Learning Plan (PLP) graduation requirements. Students who enjoy competitive debate can choose to join the debate team, but doing so is not mandatory for this course.

Prerequisites: None

0023 ADVANCED DEBATE **10-12** 10 Credits

Description: Advanced Debate is a one or two semester course designed for teaching advanced argumentation theory to members of the debate team. Instruction will focus on competitive debate strategies, advanced research and writing skills, and persuasive techniques. Students will be challenged to realize their individual debate potential. Students are expected to participate in debate tournaments which often take place on weekends.

Prerequisites: Debate I, Speech, or Forensics. Upon successful completion, this course may be repeated for elective credit (pending available space).

0024 DRAMA I **9-12** 5 Credits

Description: This is a performance-based survey course designed to introduce students to many different aspects of theatre. Units include acting, script analysis, theatre history, and an overview of technical theatre. The acting unit consists of individual and group in-class performances, regular participation in acting exercises, and memorized scenes and monologues. Students will engage in script analysis, character analysis, analysis of the production process and viewed performances. The theatre history unit may include the origins of storytelling and evolution of the theatre, while the overview of technical theatre may include scenery, lighting, sound, and/or costuming/makeup. Successful completion of performances and projects is a course requirement. This course satisfies the Fine Arts graduation requirement and serves as a prerequisite for Drama II and Theatre Technology.

Prerequisites: None

0025 DRAMA II **9-12** 5 Credits

Description: This is a performance-based course designed to further develop skills in theatre from production process to performance. Students will gain a deeper understanding of script and production process, acting techniques, and theatre history. Students will also be introduced to directing techniques, acting theory, theatre periods, and acting styles. Successful completion of performances and projects is a course requirement. A public performance may be a component of this course. Students who have successfully completed this course may elect to repeat it for another semester of theatre experience.

Prerequisites: Drama I. Upon successful completion, course may be repeated for elective credit (pending available space).

0026 THEATRE TECHNOLOGY **9-12** 5 Credits

Description: This is a course designed for students who wish to pursue knowledge of technical theatre and theatrical design. It emphasizes the backstage elements of theatre production including theatre safety, set design and construction techniques, scene painting, properties, lighting, costume/makeup design, stage management, and theatre administration skills. Students will gain hands-on experience with current theatre technologies including: computer based set/light/sound design programs, as well as an electronic portfolio. Hands-on lab instruction and technical projects are a course requirement. Students who have successfully completed this course may elect to repeat it for additional semesters of theatre experience.

Prerequisites: Drama I or Theatre Appreciation. Upon successful completion, this course may be repeated for elective credit (pending available space).

0033 CREATIVE WRITING **11-12** 5 Credits

Description: Creative Writing is a semester long, advanced writing course for students who enjoy writing and want to improve their composition skills. Students will be required to write and read daily. Students will maintain a writer's notebook where they will experiment with a variety of writing genre; these genres may include but are not limited to short stories, poetry, and script writing. Creative writers are, by nature, readers and will read and analyze short stories, novels, and poetry as guides to develop their own writing. Students will be required to share their writing in small groups and with the class.

Prerequisite: Honors English 10 or English 11

0035 RESEARCH METHODS**11-12**

5 Credits

Description: Research Methods is a course designed to prepare students for independent research and writing at the collegiate level. Students will learn the proper method for organizing, researching, and writing a formal research paper. This class is suited for independent workers and motivated students. Organizational skills and time management are important when working to meet deadlines for this course.

Prerequisites: English 11 or Honors English 10

0039 THEATRE APPRECIATION**9-12**

5 Credits

Description: Whether you're listening to a radio performance, enjoying television shows or movies, or sitting in an auditorium watching a play, dance recital, or concert, you are surrounded by elements of theatre. This non-performance-based course will assist in the understanding and appreciation of theatrical elements in the world around us. Units may include overviews of stage, film, television and radio characteristics; scenery, lighting, sound, and/or costuming/make-up; script and character analysis; and theatre history. Successful completion of projects is a course requirement. This course satisfies the Fine Arts graduation requirement and also counts as a prerequisite to Theatre Technology. Students interested in a performance-based course should refer to Drama I.

Prerequisites: None

0047 ADVANCED PLACEMENT® ENGLISH LANGUAGE & COMPOSITION**11-12**

10 Credits

Description: Advanced Placement® English Language & Composition is a course for juniors or seniors who are interested in pursuing rigorous, advanced studies in rhetoric. The course will concentrate on the analysis of college-level readings, sophisticated composition, and advanced research. Students will become skilled readers of complex texts from a variety of periods, disciplines, and rhetorical contexts. They will also demonstrate mastery of expository, analytical, and argumentative writing. Students will develop stylistic maturity using grammar, diction, and tone. Completion of this course will prepare students to take the Advanced Placement® English Language & Composition exam.

Prerequisites: Honors English 10 or English 11

0048 ADVANCED PLACEMENT® ENGLISH LITERATURE & COMPOSITION**12**

10 Credits

Description: Advanced Placement® English Literature & Composition is a course for seniors who are interested in pursuing rigorous advanced studies in language arts for personal growth and possible college credit. The course will concentrate on the critical analysis of designated literary works through class discussion, activities, and research. Completion of this course will prepare students to take the Advanced Placement® English Literature & Composition exam.

Prerequisites: Honors English 10 or English 11

0059 ENGLISH 9 LITERACY ENRICHMENT**9**

10 English Credits/10 Elective Credits

Description: English 9 Literacy Enrichment is a skill building and study skills course designed for 9th grade students who need more practice with reading and/or writing as evidenced by prior assessment results and literacy abilities demonstrated during middle school. This course uses best practices in building reading and writing skills based on individual student needs. Diagnostic and benchmark assessments are used to monitor student progress. Lessons are designed to build skills in reading and writing so that students can successfully complete the English 9 curriculum, gain strategies and skills needed for future success and meet the standards on district and state reading and writing tests.

Prerequisites: Need for reading and/or writing improvement

0060 ENGLISH 10 LITERACY ENRICHMENT**10**

10 English Credits/10 Elective Credits

Description: English 10 Literacy Enrichment is a skill building and study skills course designed for 10th grade students who need more practice with reading and/or writing as evidenced by prior assessment results, including standardized test scores, Reading ELO assessments and literacy abilities demonstrated in ninth grade. This course uses best practices in building reading and writing skills based on individual student needs. Diagnostic and benchmark assessments are used to monitor student progress. Lessons are designed to build skills in reading and writing so that students can successfully complete the English 10 curriculum, gain strategies and skills needed for future success, and meet the standards on district and state reading and writing tests.

Prerequisites: Need for reading and/or writing improvement; either English 9 or English 9 Literacy Enrichment

- 0061 LITERACY ENRICHMENT** **11** 10 Elective Credits
Description: Literacy Enrichment is a skill building and study skills course designed for 11th grade students who need more practice with reading and/or writing as evidenced by Reading ELO, Analytical Writing Assessment, the State Reading Test, and English 10 scores. This course uses best practices in building reading and writing skills based on individual student needs. Diagnostic and benchmark assessments are used to monitor student progress. Lessons are designed to build skills in reading and writing so that students can gain literacy strategies and skills needed for future success and meet the standards on district and state reading and writing tests. This course will focus more on building additional reading skills and is taken in addition to the required English 11 course.
Prerequisites: Need for reading and/or writing improvement; either English 10 or English 10 Literacy Enrichment
- 0062 LITERACY FOR LIFE I** **12** 5 Credits
0063 LITERACY FOR LIFE II **12** 5 Credits
Description: Literacy for Life I and II are one semester courses designed for students who are looking to improve literacy skills while preparing for future careers. Coursework includes the everyday skills (such as conflict resolution and workplace communication) required in oral and written 21st century communication, literary and informational text (print and online) and its relevance to their lives, and analysis of individual strengths and applying those strengths to help them succeed. Students may take either one or two semesters. Successful completion of Literacy for Life I is not required to enroll in Literacy for Life II.
Prerequisites: None
- 0064 INTRO TO JOURNALISM** **9-12** 5 Credits
Description: Students will practice the techniques of interviewing, reporting, editing, and journalistic writing for online or print publications. Students will explore photography and design principles for online and print layouts using technology specific to the industry standard. Teacher approval based on performance in this course is a prerequisite for placement on publication staffs.
Prerequisites: None
- 0065 LITERATURE AND FILM** **11-12** 5 Credits
Description: Literature and Film is a course that involves the student in a comprehensive analysis of literature and the medium of film. The three compulsory parts of the course will include an in-depth study of textual analysis of literature; introduction of film language, sequences, theory and history; and analytical writing. The curriculum of this course will center on novels, stories, and plays. In addition, connecting the powerful medium of film to celebrated written works will allow the students to deepen their cultural understanding as well as gain an appreciation for the traditional medium of literature. Students will study a variety of genres in literature and film; possibilities include Drama, Comedy/Romantic Comedy, Thriller/Mystery/Film Noir, Western/Action & Adventure, Science Fiction/Fantasy, and Non-fiction. Students will be assessed using a variety of methods including essays, script writing, and critical-thinking activities.
Prerequisites: Honors English 10 or English 11
- 0066 ADVANCED JOURNALISM** **10-12** 10 Credits (20 at WHS)
Description: Students will expand the reporting skills of interviewing, reporting, journalistic writing, editing, photography, and design. Students will work together to publish news in a variety of mediums such as print, web, podcast, and/or broadcast. The ability to complete assignments independently and meet deadlines is required.
Prerequisites: Teacher approval based on performance in Intro to Journalism or Intro to Photojournalism. Upon successful completion, this course may be repeated for elective credit (pending available space).
- 0067 GLOBAL PERSPECTIVE THROUGH LITERATURE** **12** 5 Credits
Description: Global Perspective Through Literature is a course that continues the skills established in previous English courses. Students will study a variety of texts, including short stories, novels, poetry, drama, memoirs, graphic novels, film, and images. The readings will come from countries other than the United States and Western Europe. Themes include Wisdom and Knowledge, the Hero's Journey, the Individual in Society, Appearance vs. Reality, Women and Men, and the Struggle Against Injustice. Students will be assessed using a variety of methods, including essays, presentations, and critical-thinking activities.
Prerequisites: Honors English 10 or English 11

0068 CONTEMPORARY LITERATURE**11-12**

5 Credits

Description: Contemporary Literature is a course that will engage students in a focused study of contemporary literature written over the last several decades. Students will critically examine why different genres of contemporary literature appeal to different readerships, how and why different readers determine if a book is worth reading, and the role that literature may play in their lives. Students will study a variety of genres of literature; possibilities include Memoir/Biography/Historical Fiction, Multicultural Perspectives, Fantasy/Science Fiction, Adventure/Survival, Non-Fiction, Crime/Mystery, and Coming of Age. Students will be expected to read 5 to 8 novels, which are reading level and age appropriate, some as a class and some independently, during the semester. Movies will not be a part of this class. Students will be assessed using a variety of methods, including, but not limited to, essays, critical-thinking activities, journals, and blogs.

Prerequisite: Honors English 10 or English 11

0069 21st CENTURY MEDIA LITERACY**11-12**

5 Credits

Description: This course is an introduction to mass media and what it is, how it affects us, and how we react to it. Our society is saturated with media messages from the traditional (e.g. television, magazines, newspapers, radio) to the 21st Century (e.g. internet, podcasts, blogs, and other emerging technologies). Students will access, analyze and create messages in a variety of media forms thereby developing a better understanding of what it means to be a critical receiver of these media messages within our society. Students will become media literate by applying the Five Core Media Literacy Concepts: all media messages are constructed; media messages are constructed using a creative language with its own rules; different people experience the same message differently; media have embedded values and points of view; most media messages are organized to gain profit and/or power.

Prerequisites: Honors 10 or English 11

0073 IB FILM SL**11-12****North only**

10 Credits

Description: Film is both a powerful communication medium and an art form. This one year film course aims to develop students' skills so they become adept in both interpreting and making film texts. The IB film course will involve the student in a comprehensive examination of the nature of film. The three compulsory parts of the course will include an in-depth study of: Textual Analysis, the detailed study of film sequences and contextualizing meanings within a larger framework; film theory and history, the study of films and film-making traditions from more than one culture; creative process-techniques and organization of production; the development of creative, analytic and production skills with film-making.

Prerequisite: None

0074 IB FILM HL I**11****North only**

10 Credits

Description: Film is both a powerful communication medium and an art form. This first year film course of a two year program aims to develop students' skills so they become adept in both interpreting and making film texts. The IB film course will involve the student in a comprehensive examination of the nature of film. The three compulsory parts of the course will include an in-depth study of: Textual Analysis, the detailed study of film sequences and contextualizing meanings within a larger framework; film theory and history, the study of films and film-making traditions from more than one culture; creative process-techniques and organization of production; the development of creative, analytic and production skills with film-making.

Prerequisite: None

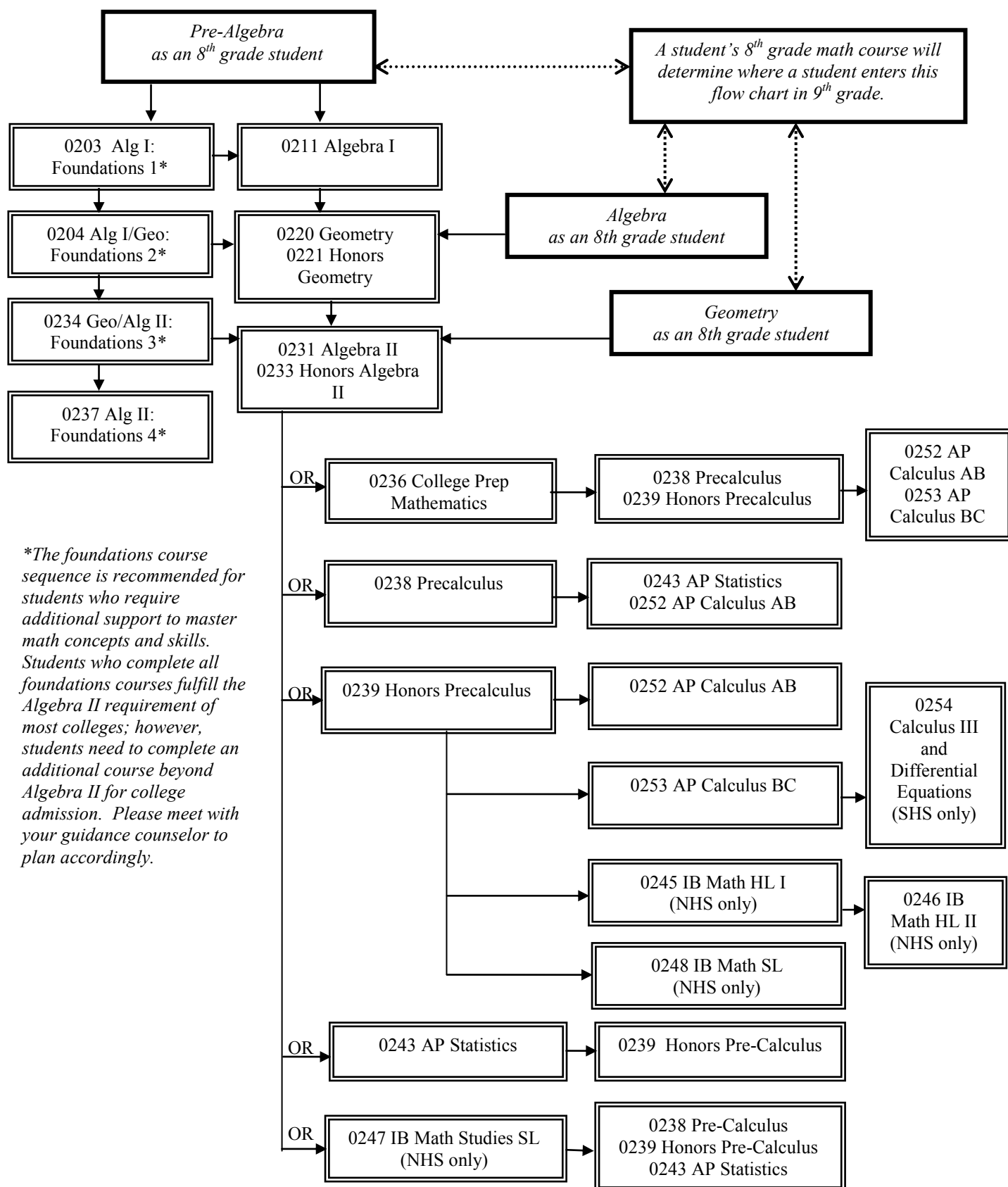
0075 IB FILM HL II**12****North only**

10 Credits

Description: Film is both a powerful communication medium and an art form. This second year film course builds on the first year course of study and aims to further develop students' skills so they become adept in both interpreting and making film texts. The IB film course will involve the student in a comprehensive examination of the nature of film. The three compulsory parts of the course will include an in-depth study of textual analysis, the detailed study of film sequences, and contextualizing meanings within a larger framework; film theory and history, the study of films and film-making traditions from more than one culture; creative process-techniques and organization of production; the development of creative, analytical, and production skills with film-making.

Prerequisite: IB Film HL I

MATHEMATICS



MATHEMATICS

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
MATHEMATICS										
0203 A/B	Alg I: Foundations 1	10	9-10		†	•	•	•	•	•
0204 A/B	Alg I/Geo: Foundations 2	10	9-11		0203†	•	•	•	•	•
0211 A/B	Algebra I	10	9-11			•	•	•	•	•
0220 A/B	Geometry	10	9-11		0211	•	•	•	•	•
0221 A/B	Honors Geometry	10	9-11		0211	•		•	•	•
0234 A/B	Geo/Alg II: Foundations 3	10	10-12		0204	•	•	•	•	•
0237 A/B	Alg II: Foundations 4	10	11-12		0234†	•	•	•	•	•
0231 A/B	Algebra II	10	9-12		0220	•	•	•	•	•
0233 A/B	Honors Algebra II	10	9-12		0221	•		•	•	•
0236 A/B	College Prep Mathematics	10	11-12		0231	•		•	•	•
0238 A/B	Precalculus	10	10-12		0231	•		•	•	•
0239 A/B	Honors Precalculus	10	10-12		0233	•		•	•	•
0243 A/B	Advanced Placement® Statistics	10	10-12		0243	•		•	•	•
0245 A/B	IB Mathematics HL I	10	11		0231, 0239	•		•		
0246 A/B	IB Mathematics HL II	10	12		0246	•		•		
0247 A/B	IB Mathematical Studies SL	10	11-12		0233	•		•		
0248 A/B	IB Mathematics SL	10	11-12		0233	•		•		
0252 A/B	Advanced Placement® Calculus AB	10	11-12		0231	•		•	•	•
0253 A/B	Advanced Placement® Calculus BC	10	11-12		0239	•		•	•	•
0254 A/B	Calculus III/Differential Equations	10	11-12		0253	•			•	

† = See course descriptions for additional requirements.

All students must successfully complete 30 credits of mathematics in order to meet the minimum graduation requirements. All students should complete 3 to 4 years of mathematics including Algebra II or Algebra II: Foundations 4 for minimum college preparation.

School calculators are available for use in all math classes. Students may also use their own calculator.

MATHEMATICS

0203 ALG I: FOUNDATIONS 1

9-10

10 Credits

Description: Alg I: Foundations 1 is year one of a two-year sequence designed for students who need reinforcement in basic skills in order to successfully master algebra concepts. Students will develop the ability to solve linear equations and inequalities and analyze solutions. Students who successfully complete both Alg I: Foundations 1 and Alg I/Geo: Foundations 2 will have satisfied the Algebra graduation requirement. Upon completion, students should enroll in either Alg I/Geo: Foundations 2 or Algebra I.

Prerequisites: Need for mathematical skills improvement and concepts reinforcement

- 0204 ALG I/Geo: FOUNDATIONS 2** **9-11** 10 Credits
Description: Alg I/Geo: Foundations 2 is year two of a two-year sequence designed for students who need reinforcement in basic skills in order to successfully master algebra concepts. In Alg I/Geo: Foundations 2, topics will include systems of equations, polynomials, exponential equations, and quadratics. Students who successfully complete both Alg I: Foundations 1 and Alg I/Geo: Foundations 2 will have satisfied the Algebra I graduation requirement. Upon completion, students should enroll in either Geo/Alg II: Foundations 3 or Geometry.
Prerequisites: Need for mathematical skills improvement and concepts reinforcement and Alg I: Foundations 1
- 0211 ALGEBRA I** **9-11** 10 Credits
Description: Algebra I is the study of linear, quadratic, and exponential equations. It is a course designed for those students who have mastered the basics of arithmetic and pre-algebra, and who understand mathematics in a more abstract form. This first-year algebra course is the appropriate mathematics course for most college-bound freshmen.
Prerequisites: None
- 0220 GEOMETRY** **9-11** 10 Credits
Description: This course is designed for the student who has successfully mastered Algebra I and has the ability to apply those skills to geometric problems and the ability to build upon previously learned mathematical concepts. This is the next course in the sequence following Algebra I for most college-bound students.
Prerequisites: Algebra I
- 0221 HONORS GEOMETRY** **9-11** 10 Credits
Description: This course is designed for the student who has successfully mastered Algebra I and has the ability to apply those skills to geometric problems and the ability to build upon previously learned mathematical concepts. This is the next course in the sequence following Algebra I for most college-bound students and will move at a quicker pace and cover topics in greater detail than the regular Geometry class.
Prerequisites: Algebra I
- 0234 GEO/ALG II: FOUNDATIONS 3** **10-12** 10 Credits
Description: Geo/Alg II: Foundations 3 is a year-long, project-based course designed for the student who has successfully completed Alg I/Geo: Foundations 2. Students will develop the ability to apply geometric concepts to real-world situations. Geometry concepts will include triangles, quadrilaterals, cubes, spheres, cylinders, and other two and three-dimensional shapes. Additionally, students will expand their understanding of algebraic concepts from Foundations 1 & 2 by learning many advanced algebraic topics. Upon completion, students should enroll in Alg II: Foundations 4 or Algebra II.
Prerequisites: Need for mathematical skills improvement and concepts reinforcement and Alg I/Geo: Foundations 2
- 0237 ALG II: FOUNDATIONS 4** **11-12** 10 Credits
Description: Alg II: Foundations 4 is a year-long course designed for the student who has successfully completed Geo/Alg II Foundations 3. Students will develop an understanding of a variety of advanced algebraic topics.
Prerequisites: Need for mathematical skills improvement and concepts reinforcement and Geo/Alg II: Foundations 3
- 0231 ALGEBRA II** **9-12** 10 Credits
Description: Concepts from Algebra I are expanded and used to further develop a variety of advanced algebraic topics. This course integrates topics such as systems of equations and inequalities, higher-ordered polynomials, advanced functions and discrete math topics. Algebra II completes the three-year mathematics sequence required by many colleges.
Prerequisites: Geometry
- 0233 HONORS ALGEBRA II** **9-12** 10 Credits
Description: In Honors Algebra II, concepts from Algebra I are expanded and used to further develop a variety of advanced algebraic topics. The course integrates topics such as systems of equations and inequalities, higher-ordered polynomials, advanced functions and discrete math topics. This class will move at a quicker pace and will cover topics in greater detail than the regular Algebra II class. Honors Algebra II is recommended for all students who plan to pursue Advanced Placement[®] or International Baccalaureate math classes.
Prerequisites: Geometry or Honors Geometry

- 0236 COLLEGE PREP MATHEMATICS** 11-12 10 Credits
Description: This course is designed for those students who are college-bound, non-math majors. It will expand on the college level math topics of linear equations, advanced functions, conic sections, probability, series and sequences, and basic trigonometry. This course would fulfill the four-year math requirement for most universities and prepare students for introductory college mathematics courses. Students who will need Trigonometry or Calculus in college should enroll in Precalculus. Those who will need a background in statistics may also take Advanced Placement® Statistics.
Prerequisites: Algebra II
- 0238 PRECALCULUS** 10-12 10 Credits
Description: Precalculus is the study of functions, conic sections, and trigonometry that foreshadows the important concepts of Calculus. The relationship between functions and the behavior of functions is developed through an algebraic, analytical, numerical, and graphical approach, including mathematical modeling for real-world application.
Prerequisites: Algebra II
- 0239 HONORS PRECALCULUS** 10-12 10 Credits
Description: Precalculus is the study of functions, conic sections, and trigonometry that foreshadows the important concepts of Calculus. The relationship between functions and the behavior of functions is developed through an algebraic, analytical, numerical, and graphical approach, including mathematical modeling for real-world application. This class will move at a quicker pace and will cover topics in greater detail than the regular Precalculus class. It is recommended for all students who plan to pursue Advanced Placement® or International Baccalaureate® math classes.
Prerequisites: Honors Algebra II
- 0243 ADVANCED PLACEMENT® STATISTICS** 10-12 10 Credits
Description: The Advanced Placement® Statistics course consists of statistical concepts including exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students who successfully complete the Advanced Placement® examination may receive credit and/or advanced placement for a one-semester introductory college statistics course at many colleges and universities. Completion of this course will prepare students to take the Advanced Placement® Statistics exam.
Prerequisites: Algebra II
- 0245 IB MATHEMATICS HL I** 11 North only 10 Credits
Description: HL Math I is a course intended for juniors in the IB program with excellent math abilities. It is the first course in a two-year sequence culminating with the IB HL Math test in the spring of their senior year. The course will provide a rigorous study of matrices, vectors, probability, statistics, complex numbers and calculus.
Prerequisites: Honors Precalculus
- 0246 IB MATHEMATICS HL II** 12 North only 10 Credits
Description: HL Math II is a course intended for seniors who have successfully completed Math HL I. It is the second course in a two-year sequence culminating with the IB HL Math test in the spring of their senior year. The course will provide further extensions of proofs, vectors, probability, statistics, calculus, discrete mathematics and group theory.
Prerequisites: IB Mathematics HL I
- 0247 IB MATHEMATICAL STUDIES SL** 11-12 North only 10 Credits
Description: IB Mathematical Studies SL is a course designed for juniors or seniors who intend to test standard level math in the IB program. This course is intended for students of varied math backgrounds who plan to study non-math intensive fields. The course will concentrate on advanced math topics such as numbers and algebra, sets and logic, geometry and trigonometry, functions, financial math, calculus, statistics and probability.
Prerequisites: Algebra II
- 0248 IB MATHEMATICS SL** 11-12 North only 10 Credits
Description: Mathematics SL is a course intended for juniors or seniors in the IB program with strong math abilities. This is a one-year course that will provide a rigorous study of matrices, vectors, probability, statistics, complex numbers and calculus.
Prerequisites: Honors Precalculus

0252 ADVANCED PLACEMENT[®] CALCULUS AB **11-12** 10 Credits

Description: Advanced Placement[®] Calculus AB is a course in single variable calculus that includes techniques and applications of the derivative, techniques and applications of the definite integral, and the Fundamental Theorem of Calculus. Algebraic, numerical, and graphical representations are emphasized throughout the course. It is equivalent to at least a semester of calculus at most colleges and universities. Completion of this course will prepare students to take the Advanced Placement[®] Calculus AB exam.

Prerequisites: Precalculus or Honors Precalculus

0253 ADVANCED PLACEMENT[®] CALCULUS BC **11-12** 10 Credits

Description: Advanced Placement[®] Calculus BC is a course in single variable calculus that includes all the topics of Advanced Placement[®] Calculus AB plus additional topics in differential and integral calculus (including parametric, polar, and vector functions) and series. Algebraic, numerical, and graphical representations are emphasized throughout the course. It is equivalent to at least a year of calculus at most colleges and universities. Completion of this course will prepare students to take the Advanced Placement[®] Calculus BC exam.

Prerequisites: Honors Precalculus

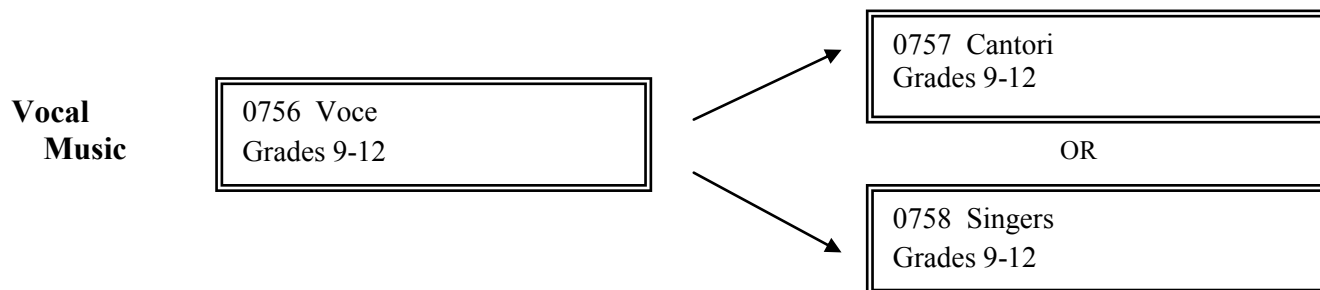
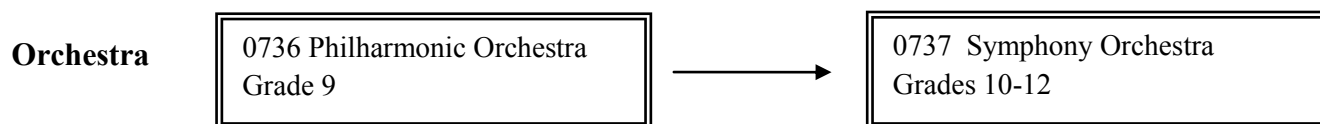
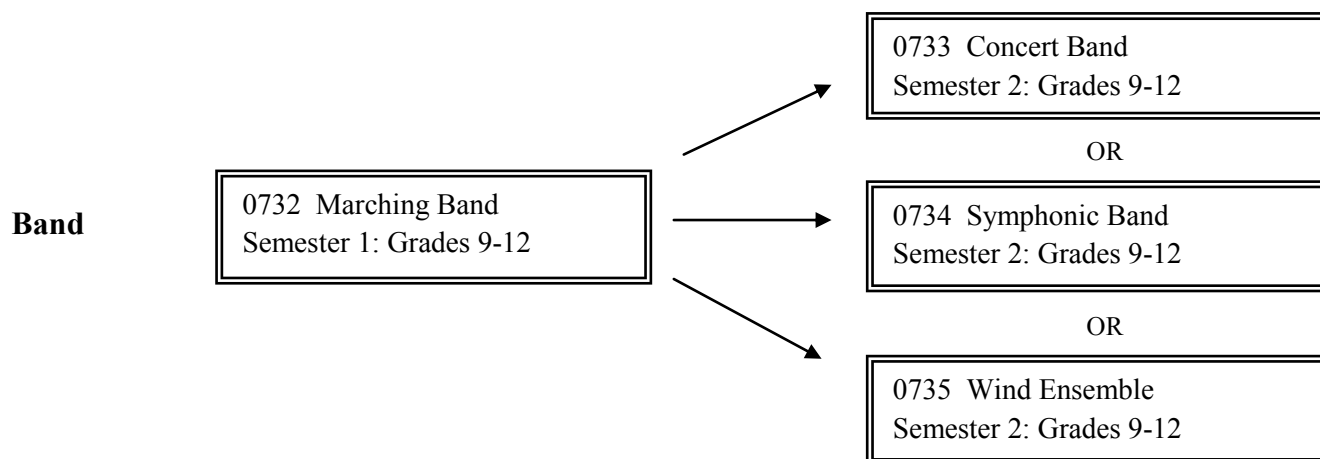
0254 CALCULUS III/DIFFERENTIAL EQUATIONS **11-12** 10 Credits

Description: Calculus III /Differential Equations is a course investigating calculus topics including (but not limited to) vector analysis, partial differentiation, multiple integration, and functions of several variables. The differential equations portion of the course will focus primarily on (but not limited to) ordinary differential equations, solutions by series, Laplace transformations, and applications. This course is not available for dual enrollment. This course provides a weighted grade as it exceeds Advanced Placement[®] Calculus level courses.

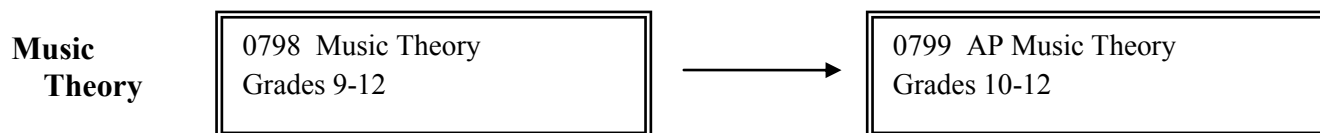
Prerequisites: Advanced Placement[®] Calculus BC

MUSIC

Performance Courses



Non-Performance Courses



MUSIC

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
MUSIC										
0732	Marching Band	5	9-12	F	†			•	•	•
0733	Concert Band	5	9-12	F	†			•	•	•
0734	Symphonic Band	5	9-12	F	†			•	•	•
0735	Wind Ensemble	5	9-12	F	†			•	•	•
0736 A/B	Philharmonic Orchestra	10	9	F	†			•	•	•
0737 A/B	Symphony Orchestra	10	10-12	F	†			•	•	•
0756 A/B	Voce	10	9-12	F	†			•	•	•
0757 A/B	Cantori	10	9-12	F	†			•	•	•
0758 A/B	Singers	10	9-12	F	†			•	•	•
0746	Contemporary Ensemble	5	9-12	F	†			•	•	•
0798	Music Theory	5	9-12	F				•	•	•
0799	Advanced Placement® Music Theory	5	11-12	F	0798			•	•	•
0747	Music Connections	5	9-12	F	†			•	•	•
0767 A/B	IB Music SL-Band	10	11-12	F				•		
0768 A/B	IB Music SL-Chorus	10	11-12	F				•		
0769 A/B	IB Music SL-Orchestra	10	11-12	F				•		

F = Fine and Performing Arts

† = See course descriptions for additional requirements.

Students may be asked to provide specialized attire or to make a donation in these courses in compliance with Rule 6750.1. Students who qualify for free and reduced waivers should discuss cost or instrument needs with their instructors.

MUSIC

0732 MARCHING BAND

9-12

5 Credits

Description: This course is for all ninth, tenth, eleventh, and twelfth grade students who play a band instrument and have an interest in band music literature. All students registered for Marching Band are required to participate in either Concert Band, Symphonic Band, or Wind Ensemble during second semester based on auditions.

Prerequisite: Successful completion of the previous year Band course or qualifying audition with the band director.

0733 CONCERT BAND

9-12

5 Credits (15 at WHS)

Description: This course is for all ninth, tenth, eleventh, and twelfth grade students who play a band instrument and have an interest in progressing band music literature. All students registered for Concert Band are required to participate in Marching Band and Pep Band.

Prerequisite: Successful completion of the previous year Band course or qualifying audition with the band director.

0734 SYMPHONIC BAND 9-12 5 Credits (15 at WHS)

Description: This course is for all ninth, tenth, eleventh, and twelfth grade students who play a band instrument and have an interest in advancing band music literature. All students registered for Symphonic Band are required to participate in Marching Band and Pep Band.

Prerequisite: Successful completion of the previous year Band course or qualifying audition with the band director.

0735 WIND ENSEMBLE 9-12 5 Credits (10 at WHS)

Description: This course is for all ninth, tenth, eleventh, and twelfth grade students who play a band instrument and have an interest in advanced music literature. All students registered for Wind Ensemble are required to participate in Marching Band and Pep Band.

Prerequisite: Successful completion of the previous year Band course or qualifying audition with the band director.

0736 PHILHARMONIC ORCHESTRA 9 10 Credits (20 at WHS)

Description: Philharmonic orchestra is a ninth grade ensemble which emphasizes fundamental skills that prepare students for Symphony Orchestra. Students will have opportunities for large ensemble, chamber music, and solo performances as part of a rigorous curriculum that develops artistry. Freshmen are encouraged to audition for special ensembles within the department. Instruction is differentiated to involve and challenge all students. Orchestra students will be asked to provide performance appropriate clothing and their instrument (some school instruments available for rental). This course will include concerts outside of the school day.

Prerequisite: Successful completion of eighth grade orchestra or recommendation of instructor.

0737 SYMPHONY ORCHESTRA 10-12 10 Credits (20 at WHS)

Description: This orchestra continues the momentum built in Philharmonic Orchestra with great classical, pop and jazz repertoire. A three year rotated cycle of study provides advanced skill development and keeps the orchestra fresh each year. Following Marching Band season, the string orchestra will be joined by wind, brass, and percussion players selected from the bands to form the full Orchestra. Students will have opportunities for chamber music, conducting, solo performances, and participation in honor groups, contests, studio orchestra (jazz and pop) and chamber orchestra (by audition). Students will play for the director the previous year to determine proper placement in this group. This course will include concerts outside of the school day.

Prerequisite: Successful completion of Philharmonic Orchestra or recommendation of instructor.

0756 VOCE 9-12 10 Credits (20 at WHS)

Description: This course is designed for any student who wants to sing. No experience necessary. Emphasis will be placed on developing basic vocal techniques and rehearsing skills, music literacy, and appropriate performance practice. Musical repertoire will range from Pop and Broadway to choral master works including sacred and secular texts. Emphasis will focus on developing vocal skills, choral rehearsal techniques, music literacy, and performing technique. This course will include concerts outside of the school day.

Prerequisite: None. Audition is NOT required for this class.

0757 CANTORI 9-12 10 Credits (20 at WHS)

Description: This is a course for students wanting to experience singing and performing in a large choral ensemble. Musical repertoire will range from Pop and Broadway to choral master works including sacred and secular texts. Emphasis will focus on developing vocal skills, choral rehearsal techniques, music literacy, and performing technique. This course will include concerts outside of the school day.

Prerequisite: Successful audition required for membership in class. Ensemble placement is based upon score of audition rubric.

0758 SINGERS 9-12 10 Credits (20 at WHS)

Description: This is a select mixed chorus designed for students who want to experience singing in a large ensemble. Emphasis will focus on advanced vocal technique and choral rehearsal skills, music literacy, sacred and secular texts. This is a yearlong class and will include concerts outside of the school day.

Prerequisite: Successful audition required for membership in class. Ensemble placement is based upon score of audition rubric.

- 0746 CONTEMPORARY ENSEMBLE** 9-12 North and South 5 Credits
Description: Contemporary Music Ensemble is a course for students to explore music with more modern ensemble settings. The focus of this class will be to advance any skills the students already possess and focus on improvisation and composition. Students will improvise and compose music with the aid of electronic devices. Students will work in groups and alone to write, arrange and share their work.
Prerequisite: None. This is a non-performance course.
- 0747 MUSIC CONNECTIONS** 9-12 5 Credits
Description: In this course, students will learn about music connections by completing projects based on students' interest. Students will have the chance to explore careers in music, history and culture, styles and genres, connections with other disciplines, and evaluate and analyze music. Project based learning will occur varying from creating your own music video to discovering other musical opportunities.
Prerequisite: None. This is a non-performance course.
- 0767 IB MUSIC SL BAND** 11-12 North only 10 Credits
Description: This course will offer insights into melody, rhythm, intervals, triads, harmony, notation, ear training, and music history. It will also include an intense study of music theory, literature, international cultural studies, history, composition, and performance. (**Band** performance for IB credit)
Prerequisites: Successful completion of **Band** in both 9th and 10th grades and music theory assessment.
- 0768 IB MUSIC SL CHORUS** 11-12 North only 10 Credits
Description: This course will offer insights into melody, rhythm, intervals, triads, harmony, notation, ear training, and music history. It will also include an intense study of music theory, literature, international cultural studies, history, composition, and performance. (**Choral** performance for IB credit)
Prerequisites: Successful completion of Voce, Cantori, or Singers in both 9th and 10th grades and music theory assessment.
- 0769 IB MUSIC SL ORCHESTRA** 11-12 North only 10 Credits
Description: This course will offer insights into melody, rhythm, intervals, triads, harmony, notation, ear training, and music history. It will also include an intense study of music theory, literature, international cultural studies, history, composition, and performance. (**Orchestra** performance for IB credit)
Prerequisites: Successful completion of **Orchestra** in both 9th and 10th grades and music theory assessment.
- 0798 MUSIC THEORY** 9-12 5 Credits
Description: A course which offers students insights into music with respect to melody, rhythm, intervals, triads, harmony, notation, ear training and history. There will be a brief introduction to music history as it relates to music theory. This course is designed to educate students who wish to better understand the elements of music, with the aid of music technology.
Prerequisites: Previous musical experience is not required, but may be beneficial.
- 0799 ADVANCED PLACEMENT® MUSIC THEORY** 11-12 5 Credits
Description: This course is an intense study of music theory, critical analysis of literature, history and composition, with emphasis on individual student composition project and use of music technology. Students should have a strong background in music theory. Completion of this course will prepare students to take the Advanced Placement® Music Theory exam.
Prerequisites: Successful completion of Music Theory and/or permission of the Instructor.

PHYSICAL EDUCATION

The Physical Education requirement for graduation is 15 credit hours. The courses listed below are all the offerings in physical education, with each course worth 5 credits. In order for students to experience diverse physical activities, Physical Education courses can only be taken once to meet the required 15 credits towards graduation.

Once the 15 credits towards graduation are completed, Cross Training II, Weight Training II, Fitness Swimming, and Advanced Performance may be repeated for elective credit (pending available space).

<u>9th Grade Offerings</u>	<u>10th Grade Offerings</u>	<u>11th & 12th Grade Offerings</u>
0800 Sport Skills & Fitness	0800 Sport Skills & Fitness	0801 Cross Training I
0801 Cross Training I	0801 Cross Training I	0802 Cross Training II
0802 Cross Training II	0802 Cross Training II	0803 Lifetime Fitness
0808 Intro to Aquatics	0805 Weight Training I	0805 Weight Training I
0810 Fitness Swimming	0808 Intro to Aquatics	0806 Weight Training II
0814 Athletic Training and Sport Injury* *elective credit only MSHS/MWHS only	0809 Lifeguard Training	0808 Intro to Aquatics
	0810 Fitness Swimming	0809 Lifeguard Training
	0814 Athletic Training and Sport Injury* *elective credit only MSHS/MWHS only	0810 Fitness Swimming
	0817 Sport Officiating	0814 Athletic Training and Sport Injury* *elective credit only MSHS/MWHS only
		0815 Athletic Training and Sport Injury Internship* *elective credit only MSHS/MWHS only
		0816 Advanced Performance
		0817 Sport Officiating

PHYSICAL EDUCATION

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
PHYSICAL EDUCATION										
0800	Sports Skills and Fitness	5	9-10	PE			•	•	•	•
0801	Cross Training I	5	9-12	PE			•	•	•	•
0802	Cross Training II	5	9-12	PE	0801			•	•	•
0803	Lifetime Fitness	5	11-12	PE			•	•	•	•
0805	Weight Training I	5	10-12	PE			•	•	•	•
0806	Weight Training II	5	11-12	PE	0805		•	•	•	•
0808	Introduction to Aquatics	5	9-12	PE	†			•	•	•
0809	Lifeguard Training	5	10-12	PE	†			•	•	•
0810	Fitness Swimming	5	9-12	PE	†			•	•	•
0814	Athletic Training & Sports Injury	5	9-12		†				•	•
0815 A/B	Athletic Training & Sports Injuries Internship	10	11-12		†				•	•
0816	Advanced Performance	5	11-12	PE	†			•	•	•
0817	Sport Officiating	5	10-12	PE				•	•	•

PE = Physical Education

† = See course descriptions for additional requirements.

PHYSICAL EDUCATION

Students provide athletic shoes, sweatpants or shorts, t-shirt or sweatshirt, and cold weather attire as needed.

0800 SPORTS SKILLS AND FITNESS

9-10

5 Credits

Description: This course is designed to teach basic lifelong individual and team activities. Class activities will last 5 to 10 class periods.

Prerequisites: None

Activities:

- | | |
|--------------------------------|-----------------------------------|
| 1. Softball | 6. Volleyball |
| 2. Soccer | 7. Weight Training |
| 3. Badminton | 8. Flag Football |
| 4. Basketball | 9. Fitness Knowledge/Fitness Gram |
| 5. Tennis/Pickleball/Ping Pong | |

Optional Enrichment Activities:

1. Broomball
2. Floor Hockey

0801 CROSS TRAINING I**9-12**

5 Credits

Description: This course is designed to teach basic lifestyle fitness concepts and aerobic/anaerobic fitness activities which use continuous movement or exercise for a determined amount of time.

Prerequisites: None

Activities:

- | | |
|------------------------------------|----------------------------------|
| 1. Aerobic Dance | 5. Jogging |
| 2. Bench/Step Aerobics | 6. Power Walking |
| 3. Circuit/Station/Weight Training | 7. Literature in Healthy Living |
| 4. Fitness Concepts | 8. Fitness Knowledge/FitnessGram |

0802 CROSS TRAINING II**9-12**

5 Credits

Description: This course is designed to build and expand on the learning experience gained from Cross Training I. Cross Training II may be repeated for elective credit after the required 15 credit Physical Education Graduation Requirement has been met and space is available.

Prerequisites: Cross Training I. Once the 15 credits towards graduation are completed, Cross Training II may be repeated for elective credit (pending available space).

Activities:

- | | |
|------------------------------------|----------------------------------|
| 1. Aerobic Dance | 5. Jogging |
| 2. Bench/Step Aerobics | 6. Power Walking |
| 3. Circuit/Station/Weight Training | 7. Literature in Healthy Living |
| 4. Fitness Concepts | 8. Fitness Knowledge/FitnessGram |

0803 LIFETIME FITNESS**11-12**

5 Credits

Description: This course is designed to teach basic skills in most activities considered to be of value as a leisure-time experience and to make the student aware of life style fitness concepts that can be used after graduation. The lifestyle fitness concepts will be taught in the classroom on an alternating basis with the lifetime sport activities. Field trips to community recreation facilities are an optional part of this class. A fee may be charged for these optional activities, not to exceed the actual cost of the trip.

Prerequisites: None

Activities:

- | | |
|-----------------------|-------------------------------------|
| 1. Badminton | 8. Volleyball |
| 2. Golf | 9. Softball |
| 3. Tennis | 10. Wellness Activities |
| 4. Fitness Activities | 11. Pickleball |
| 5. Soccer | 12. Flag Football/Ultimate Football |
| 6. Ultimate Frisbee | 13. Fitness Knowledge/FitnessGram |
| 7. Basketball | |

Optional Enrichment Activities:

- | | |
|--------------------------------|---------------------------------------|
| 1. Frisbee golf | 7. Fitness/Health Centers/Weight Room |
| 2. Roller skating/laser runner | 8. Bowling |
| 3. Floor hockey | 9. Roller Hockey |
| 4. Rock climbing/Rappelling | 10. Ice Skating |
| 5. Swimming/Aquatic Activities | 11. Batting cages |
| 6. Ping pong | 12. Fishing |

0805 WEIGHT TRAINING I**10-12**

5 Credits

Description: This course is designed to teach the beginning weight training student. Major emphasis will be placed on safety, introduction of proper lifting techniques, establishing workout routines and record keeping, while lifting appropriate loads and doing conditioning activities. Both free weights and universal gym weights will be used. Enrollment is limited to one semester.

Prerequisites: None

Activities:

1. Introduce weight lifting exercises
2. Introduce and develop proper lifting techniques
3. Introduce and establish workout routines
4. Introduce physiological and kinesiological concepts
5. Introduce weight training principles
6. Use free weights and universal gym weights
7. Conditioning activities
8. Fitness Knowledge/FitnessGram

0806 WEIGHT TRAINING II**11-12**

5 Credits

Description: This course is designed to build on learning experiences gained from Weight Training I. Weight Training II may be repeated for elective credit after the required 15 credit Physical Education Graduation Requirement has been met and space is available.

Prerequisites: Weight Training I. Once the 15 credits towards graduation are completed, Weight Training II may be repeated for elective credit (pending available space).

Activities:

1. Introduce advanced weight lifting exercises
2. Improve on proper lifting techniques
3. Develop, assess, and select advanced workout routines
4. Apply physiological and kinesiological concepts
5. Apply advanced weight training principles
6. Use free weights and universal gym weights
7. Conditioning activities
8. Fitness Knowledge/FitnessGram

0808 INTRODUCTION TO AQUATICS**9-12**

5 Credits

Description: This course is designed for the novice swimmer and will teach basic swimming strokes and water safety skills.

Prerequisites: Students are required to furnish their own towel and swim suit. They should have the ability to dive into deep water. Students should be able to swim the length of the pool non-stop using the crawl stroke, breast stroke, or back stroke.

Activities:

- | | |
|--------------------------------------|---------------------------|
| 1. Basic Water Safety Skills | 3. Community Water Safety |
| 2. Basic Swimming Strokes and Skills | 4. Water Sports |

0809 LIFEGUARD TRAINING**10-12**

5 Credits

Description: This course is designed for the advanced swimmer and will follow the program designed by the American Red Cross. Students who successfully complete this class may qualify to receive the Red Cross Certification in Lifeguard Training, First Aid & CPR for the Professional Rescuer. Students will be required to purchase Red Cross materials for their own use, including a pocket mask.

Prerequisites: Students are required to furnish their own towel and swim suit, be 15 years of age on or before the beginning of the course, swim 500 yards continuously using each of the following strokes for at least 50 yards (crawl, breaststroke, and sidestroke), surface dive to a minimum depth of nine feet and bring a 10-pound diving brick to the surface, surface dive to a minimum depth of five feet and swim underwater a minimum of 15 yards, and tread water for one minute without the use of arms.

Activities:

- | | |
|-----------------------|----------------------|
| 1. Advanced Swimming | 3. Water Safety |
| 2. Lifeguard Training | 4. First Aid and CPR |

0810 FITNESS SWIMMING**9-12**

5 Credits

Description: This course is designed for the advanced swimmer and will teach the student the benefits of fitness swimming and its effect on lifetime health. Major emphasis will be on safety, hydrodynamics and fitness concepts. Fitness Swimming may be repeated for elective credit after the required 15 credit Physical Education Graduation Requirement has been met and space is available. Students are required to furnish their own towel and swim suit.

Prerequisites: Students must be able to swim 500 yards continuously using the crawl stroke, backstroke and breaststroke in any combination. Once the 15 credits towards graduation are completed, Fitness Swimming may be repeated for elective credit (pending available space).

Activities:

- | | |
|--------------------------------|---------------------------|
| 1. Fitness Programming | 5. Water Aerobics |
| 2. Training Concepts | 6. Community Water Safety |
| 3. Hydrodynamic Concepts | 7. Community CPR |
| 4. Fitness Swimming Activities | |

0814 ATHLETIC TRAINING AND SPORTS INJURY**9-12****South & West only**

5 Credits

Description: This course is designed for the student interested in athletic training and the health care of the athlete. The primary focus of study will revolve around the prevention, recognition, treatment, and rehabilitation of injuries caused during physical activity or athletics. Basic knowledge of anatomy and physiology, emergency first aid, and the discussion of a variety of athletic injuries will be discussed in the traditional classroom format. In addition, students will gain hands-on experience in laboratory activities that include taping techniques, splinting methods, the use and principles of common modalities used to treat athletic injuries, as well as basic principles applied in the rehabilitation of injuries. **This course is for elective credit only. It does not fulfill the 15-credit P.E. graduation requirement.**

0815 ATHLETIC TRAINING AND SPORTS INJURIES INTERNSHIP**11-12****South & West only**

10 Credits

Description: The Athletic Training and Sports Injuries Internship is designed as a mutually beneficial experience for Millard Athletic Training students and the high school. Athletic Training students volunteer their athletic training and first aid skills as support to a variety of sports activities. This coordination would take place with the head athletic trainer at Millard South and Millard West and various sports teams/organizations. The experience would enhance the athletic training students' skills while providing an important health care service. Students will be required to complete 80 hours of community service (within and/or out of school.) This course is offered for Dual Enrollment (college credit) through UNO.

Prerequisites: 0814 Athletic Training and Sports Injury; students are required to be actively involved in the Millard South or Millard West Student Athletic Trainer program while enrolled in this course.

0816 ADVANCED PERFORMANCE**11-12**

5 Credits

Description: This course is designed for the highly motivated student interested in advanced performance training. The class will also help build potential health and fitness career opportunities and knowledge of those careers. The class will incorporate intense training techniques, nutrition, goal setting and research in the area of exercise science. Students will also participate in FitnessGram. Advanced Performance may be repeated for elective credit after the required 15 credit Physical Education Graduation Requirement has been met and space is available.

Prerequisites: Students must have teacher approval and have successfully completed two of the following courses: Weight Training I, Weight Training II, Cross Training I or Cross Training II. Once the 15 credits towards graduation are completed, Advanced Performance may be repeated for elective credit (pending available space).

0817 SPORT OFFICIATING**10-12**

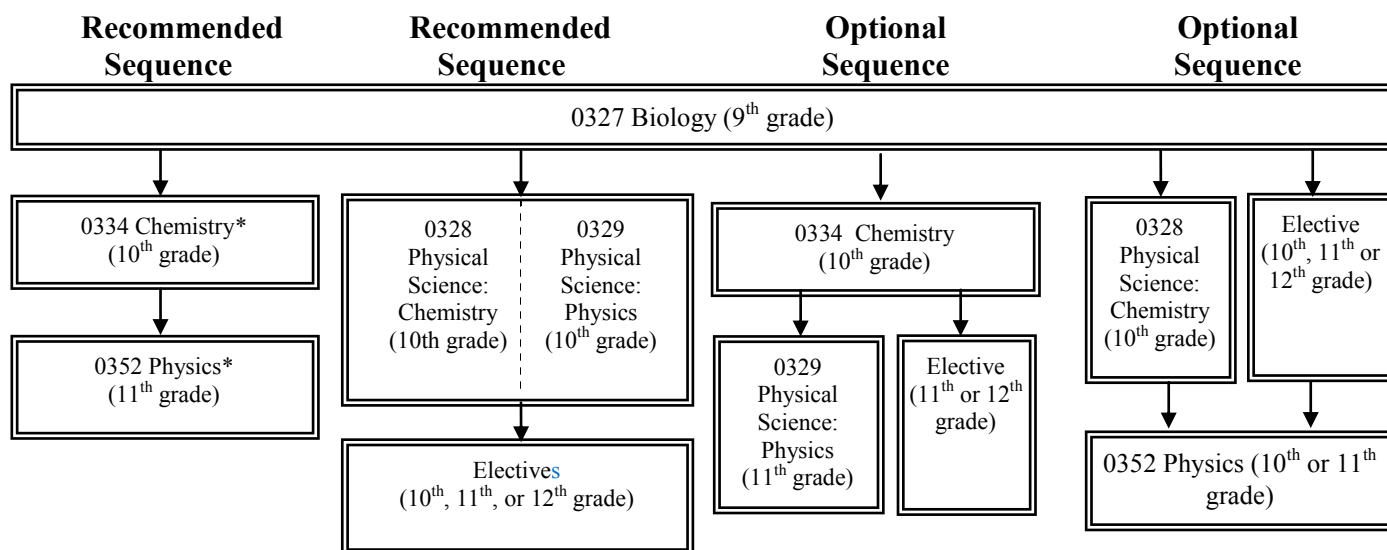
5 Credits

Description: This course is designed to offer students the coursework and experience necessary to become an official in a variety of major sports including, but not limited to, basketball, football, volleyball, baseball, softball and soccer. Coursework will include classroom activities, field experiences, guest speakers and video lessons. Upon successful completion of this course, students interested in employment with youth organizations or the NSAA may pursue these activities at their own discretion.

Prerequisites: None

Science Flow Chart

Required science courses: Follow one of the sequences depicted below.



*When taking Chemistry (0334) students must successfully complete the entire course. If 0334 Chemistry is dropped, a student will need to enroll in 0328 Physical Science: Chemistry.

*When taking Physics (0352) students must successfully complete the entire course. If 0352 Physics is dropped, a student will need to enroll in 0329 Physical Science: Physics.

Science electives: May be taken after the specified prerequisites listed below.

After Biology

0333 Zoology
(10th, 11th, or 12th grade)

0346 Environmental Science
(10th, 11th, or 12th grade)

0362 Human Physiology
(10th, 11th, or 12th grade)

After Biology and Chemistry (10 credit course course)

0377 AP Biology
(11th or 12th grade)

After Biology and 10 credits from the following courses: Chemistry, Physics, Physical Science: Chemistry, or Physical Science: Physics

0347 AP Environmental Science
(11th or 12th grade)

After Chemistry (10 credit course)

0370 AP Chemistry
(11th or 12th grade)

After Physics (10 credit course)

0383 AP Physics 1: Algebra-Based
(11th or 12th grade)

No Prerequisite

0335 Astronomy
(10th, 11th, or 12th grade)

SCIENCE

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
SCIENCE										
0321 A/B	Introduction to IB Chemistry & IB Physics	10	10		0327	•	•	•	•	•
0327 A/B	Biology	10	9			•	•	•	•	•
0328	Physical Science: Chemistry	5	10-11	*		•	•	•	•	•
0329	Physical Science: Physics	5	10-11	**		•	•	•	•	•
0333	Zoology	5	10-12		0327	•	•	•	•	•
0334 A/B	Chemistry	10	10-11	*	0211	•	•	•	•	•
0335	Astronomy	5	10-12			•	•	•	•	•
0346	Environmental Science	5	10-12		0327	•	•	•	•	•
0347	Advanced Placement® Environmental Science	5	11-12		0327	•	•	•	•	•
0352 A/B	Physics	10	10-11	**		•	•	•	•	•
0362 A/B	Human Physiology	10	10-12		0327	•	•	•	•	•
0370 A/B	Advanced Placement® Chemistry	10	11-12		0231†	•	•	•	•	•
0371 A/B	IB Chemistry HL I	10	11		0321†	•	•	•	•	•
0372 A/B	IB Chemistry HL II	10	12		0371	•	•	•	•	•
0375 A/B	IB Biology SL	10	11-12		0334	•	•	•	•	•
0376 A/B	IB Biology HL I	10	11		0334	•	•	•	•	•
0377 A/B	Advanced Placement® Biology	10	11-12		0327, 0334	•	•	•	•	•
0378 A/B	IB Biology HL II	10	12		0377	•	•	•	•	•
0383	Advanced Placement® Physics 1: Algebra-Based	10	11-12		0352/0231 or 0233	•	•	•	•	•
0380 A/B	IB Physics SL	10	11-12		0321†	•	•	•	•	•
0381 A/B	IB Physics HL I	10	11			•	•	•	•	•
0382 A/B	IB Physics HL II	10	12			•	•	•	•	•

† = See course descriptions for additional requirements.

All students must successfully complete 30 credits of science in order to meet the minimum graduation requirements.

* (0334) Chemistry OR (0328) Physical Science: Chemistry

** (0352) Physics OR (0329) Physical Science: Physics

SCIENCE

0321 INTRODUCTION TO IB CHEMISTRY AND IB PHYSICS 10 North only 10 Credits

Description: Introduction to IB Chemistry and IB Physics will offer the Pre-Diploma Programme student basic concepts taught in IB Chemistry and IB Physics. Students will be able to make an informed decision as to which IB course (Chemistry or Physics) they will choose the following year. Chemistry and Physics topics will be taught in an integrated manner within this Millard Public Schools developed course. Laboratory work will emphasize open-ended questions and students will design experiments to answer these questions. Evaluation of student work will be based on IB models.

Prerequisites: Biology. Student must be enrolled in the DP program.

- 0327 BIOLOGY** 9 10 Credits
Description: Biology offers an opportunity to explore diversity and interdependence in our living world. This course provides a general overview of major biological topics including the cell, genetics, biochemistry and interdependence of organisms, and related Earth science concepts. Through inquiry, students develop a conceptual understanding of biology as they acquire important information and refine their laboratory skills.
Prerequisites: None
- 0333 ZOOLOGY** 10-12 5 Credits
Description: Zoology is an opportunity for students to explore the animal kingdom. In this lab course, students will use scientific inquiry to observe the behavior and interaction of animals in their environments. In addition, students will examine the structure and function of animal systems through the dissection of preserved specimens.
Prerequisites: Biology
- 0334 CHEMISTRY*** 10-11 10 Credits
Description: In Chemistry, students develop a strong understanding of atomic structure, chemical properties, periodicity and reactions while enhancing critical thinking and lab skills through hands-on experiences. In addition, related space science concepts are explored. This college preparatory class is beneficial for all students going to college, not just students planning to major in science.
Prerequisites: Algebra I (or concurrent enrollment in Algebra I/Geo: Foundations 2)
- 0328 PHYSICAL SCIENCE: CHEMISTRY*** 10-11 5 Credits
Description: In Physical Science: Chemistry, students explore traditional concepts of atomic structure, properties of matter, and interactions of matter, as well as related space science concepts, while enhancing critical thinking and lab skills through hands-on experiences.
Prerequisites: None
- 0335 ASTRONOMY** 10-12 5 Credits
Description: This course offers an opportunity to explore various astronomy topics. Students will build their knowledge of the physical process that shaped the universe with emphasis on the development of an Earth Moon system, formation of the solar system, life cycles of stars and Earth's space within the galaxy and universe. The goal of the course is to explore the universe and its development over time.
Prerequisites: None
- 0346 ENVIRONMENTAL SCIENCE** 10-12 5 Credits
Description: This course will help students become aware of how they fit into the delicate balance of their environment. Students will analyze natural and human made environmental problems, evaluate their risks and examine potential actions for preventing or solving these problems. Critical thinking, utilization of lab skills and participation in hands-on experiences will be significant components of this course.
Prerequisites: Biology
- 0352 PHYSICS**** 10-11 10 Credits
Description: In Physics, students investigate the physical world through hands-on, technology-based laboratory experiences that emphasize critical thinking and problem solving. This survey course will provide insight into topics of forces and motion, gravitation, heat, energy transformations, nuclear energy, electricity and magnetism, light, sound, and relevant Earth science concepts.
Prerequisites: Completion of or concurrent enrollment in Algebra II (or Algebra II: Foundations 4)
- 0329 PHYSICAL SCIENCE: PHYSICS**** 10-11 5 Credits
Description: In Physical Science: Physics, students use hands-on, technology-based laboratory experiences to explore and verify Newton's three laws of motion, universal forces, energy transformations, heat, sound, light, nuclear physics, and related Earth science concepts.
Prerequisites: None

* (0334) Chemistry OR (0328) Physical Science: Chemistry

** (0352) Physics OR (0329) Physical Science: Physics

0347 ADVANCED PLACEMENT® ENVIRONMENTAL SCIENCE 11-12 5 Credits

Description: In this course, students learn about the interrelationships of the natural world. Students analyze natural and human-made environmental problems, evaluate their risks, and examine potential solutions for preventing or solving these problems. Critical thinking is necessary in this course that includes a strong laboratory and field investigation component. Completion of this course will prepare students to take the Advanced Placement® Environmental Science exam.

Prerequisites: Biology and 10 credits from the following courses: Chemistry, Physics, Physical Science: Chemistry, or Physical Science: Physics

0362 HUMAN PHYSIOLOGY 10-12 10 Credits

Description: This course is an in-depth study of the structure and function of human body systems. Through inquiry, students will refine their laboratory skills and develop a conceptual understanding of the human body. Students will participate in dissection of preserved specimens, explore current health topics such as the cause and prevention of disease, acquire health occupational skills, and gain insight into various health and medical careers.

Prerequisites: Biology

0370 ADVANCED PLACEMENT® CHEMISTRY 11-12 10 Credits

Description: This course provides a rigorous, in-depth study centered around six big ideas: atomic structure of matter, chemical bonding and interactions, chemical and physical changes of matter, rates of chemical reaction, laws of thermodynamics, and equilibrium. Advanced inquiry and reasoning skills will be developed in this course, including intensive laboratory experiences. Advanced Placement® Chemistry is designed to be equivalent to college level general chemistry courses; therefore, student expectations and outcomes will be similar. Completion of this course will prepare students to take the Advanced Placement® Chemistry exam.

Prerequisites: Chemistry and completion or concurrent enrollment in Algebra II

0371 IB CHEMISTRY HL I 11 North only 10 Credits

Description: IB Chemistry HL I is the first year, grade 11, of a two-year sequence for IB students testing Higher Level. This course provides an in-depth study of the structure of matter (atomic theory, atomic structure, chemical bonding, nuclear chemistry), states of matter (gases, liquids, solids, solutions), and reactions (reaction types, stoichiometry, equilibrium, kinetics, thermodynamics). IB Chemistry HL I is designed to be equivalent to college level general chemistry courses; therefore, student expectations and outcomes will be similar. In addition to the traditional classroom format, students participate in an intensive laboratory experience and become familiar with current scientific literature.

Prerequisites: IB student needs completion or concurrent enrollment in Algebra II and Introduction to IB Chemistry and IB Physics in 10th grade.

0372 IB CHEMISTRY HL II 12 North only 10 Credits

Description: This course provides an in-depth study of organic chemistry. Subjects will include chemical bonding, homologous series, functional groups, hydrocarbons, various substitution reactions, various addition reactions, various elimination reactions, acid-base reactions, and human biochemistry. IB Chemistry HL II is designed to be similar to introductory first semester Organic Chemistry courses offered at colleges and universities, therefore student expectations and outcomes will be similar. In addition to the traditional classroom format, students participate in an intensive laboratory experience and become familiar with current scientific literature.

Prerequisites: IB Chemistry HL I

0375 IB BIOLOGY SL 11-12 North only 10 Credits

Description: This one-year course provides an in-depth study of the major concepts and themes in biology. The course is designed to prepare a student to take the IB Standard Level examination or the AP examination. Approximately 25% of class time will be devoted to laboratory experiences, which will be a component of the student's internal assessment for the course. In addition to lecture/discussion and laboratory, class time will be used for IB students to work on an interdisciplinary Group 4 project.

Prerequisites: Chemistry

- 0376 IB BIOLOGY HL I** **11** **North only** 10 Credits
Description: This course provides an in-depth study of the major concepts and themes in biology. This course is the first year of the two-year course designed to prepare a student to take the IB Biology Higher Level examination. It is equivalent to a college level General Biology course. Approximately 25% of class time will be devoted to laboratory experiences that will be a component of the student's internal assessment for the course.
Prerequisites: Chemistry
- 0377 ADVANCED PLACEMENT® BIOLOGY** **11-12** 10 Credits
Description: Advanced Placement® Biology provides an in-depth study of the rigorous components of the life sciences and emphasizes traditional and current biology concepts. This course is equivalent to a college-level introductory biology course and provides a strong preparation for post-high school science. This lab-based course may include the dissection of preserved specimens. AP Biology students should possess strong writing, reading and analytical skills. Completion of this course will prepare students to take the Advanced Placement® Biology exam.
Prerequisites: Biology and Chemistry
- 0378 IB BIOLOGY HL II** **12** **North only** 10 Credits
Description: This course provides an in-depth study of the major concepts and themes in biology. This course is the second of the two-year course designed to prepare a student to take the IB Biology Higher Level examination. It is equivalent to a college level General Biology course. Approximately 25% of class time will be devoted to laboratory experiences, which will be a component of the student's internal assessment for the course. In addition to lecture/discussion and laboratory, class time will be used to work on an interdisciplinary Group 4 project.
Prerequisites: IB Biology HL I, Chemistry
- 0380 IB PHYSICS SL** **11-12** **North only** 10 Credits
Description: The standard level physics course is a study of classical and modern physics. The core syllabus describes a non-calculus-based study of the fundamental topics of physics. The emphasis is on personal experience in the scientific method. While focusing on the development of both scientific knowledge and scientific activity, students of IB Physics SL will make connections within the three domains of physics: laws of physics, experimental skills, and the social and historical aspects.
Prerequisites: Completion of Introduction to IB Chemistry and IB Physics and completion of or concurrent enrollment in Precalculus
- 0381 IB PHYSICS HL I** **11** **North only** 10 Credits
Description: This course is the first year of the two-year course designed to prepare a student to take the IB Physics Higher Level examination. The course is a study of classical and modern physics. The core syllabus describes a non-calculus-based study of the fundamental topics of physics. The emphasis is on personal experience in the scientific method. While focusing on the development of both scientific knowledge and scientific activity, students of Physics HL I will make connections within the three domains of physics: laws of physics, experimental skills, and the social and historical aspects.
Prerequisites: Completion of Introduction to IB Chemistry and IB Physics and completion of or concurrent enrollment in Precalculus
- 0382 IB PHYSICS HL II** **12** **North only** 10 Credits
Description: The second year of IB Higher Level Physics continues the study of classical and modern Physics. During the second year HL students will study the core syllabus in more depth. In addition to the greater detail of the core, HL students may cover medical and/or particle Physics. HL students will continue the emphasis on the scientific method and studying the impact of human activities on the Earth from a scientific viewpoint.
Prerequisites: IB Physics HL I
- 0383 ADVANCED PLACEMENT® PHYSICS 1: ALGEBRA-BASED** **11-12** 10 Credits
Description: Students will engage in hands-on exploration while developing an understanding of Newtonian mechanics, including rotational dynamics and angular momentum; work, energy, and power; mechanical waves and sound; and electric circuits. This course is the equivalent to a first-semester college course in algebra-based physics. Completion of this course will prepare students to take the Advanced Placement Physics 1 exam.
Prerequisites: Physics and Algebra II

SOCIAL STUDIES
CLASSES OF 2015, 2016, 2017

Required for Graduation Class of 2015 & 2016		
9 th Grade	10 th Grade	11 th or 12 th Grade
0410 American History (since 1914)	0412 World Geography	Social Studies Elective AND 0414 United States Government & Economics OR 0415 AP United States Government & Politics

Required for Graduation Class of 2017		
9 th Grade	10 th Grade	11 th or 12 th Grade
0410 American History (since 1914)	0412 World Geography OR 0456 AP Human Geography	Social Studies Elective AND 0414 United States Government & Economics OR 0415 AP United States Government & Politics

Electives		
0415	AP United States Government & Politics**	11-12
0420	World History	11-12
0422	World Religions	10-12
0424	AP World History**	10-12
0425	Human Diversity* (formerly Ethnic Studies)	9-12
0426	International Relations* (formerly World Affairs)	9-12
0430	Introduction to Behavioral Science*	9-12
0431	Sociology*	11-12
0432	Psychology*	11-12
0433	IB Psychology* (North)	11-12
0442	Law Studies	11-12
0450	AP United States History**	11-12
0451	AP European History	10-12
0453	AP Psychology	11-12
0456	AP Human Geography**	9-12
0457	AP Comparative Government & Politics	11-12

Due to similar content:

- Students who completed Ethnic Studies may not take Human Diversity.
- Students who completed World Affairs may not take International Relations.

* Fulfills Human Resource Graduation Requirement

** May be taken for elective credit if not taken to fulfill a Social Studies Graduation Requirement

IB Courses (North High School)			
11-12 th Grade		12 th Grade	
0418	IB 20 th Century World History Topics SL/HL	0455	IB History of the Americas HL II
0433	IB Psychology SL (HR)		

SOCIAL STUDIES
CLASS OF 2018 AND BEYOND

Required for Graduation		
9th Grade	10th Grade	11th or 12th Grade
0408 World Geography OR 0456 AP Human Geography	0420 World History OR 0424 AP World History	0449 United States History OR 0450 AP United States History <p style="text-align: center;">AND</p> 0414 United States Government & Economics OR 0415 AP United States Government & Politics

Electives		
0415	AP United States Government & Politics**	11-12
0422	World Religions	10-12
0424	AP World History**	10-12
0425	Human Diversity* (formerly Ethnic Studies)	9-12
0426	International Relations* (formerly World Affairs)	9-12
0430	Introduction to Behavioral Science*	9-12
0431	Sociology*	11-12
0432	Psychology*	11-12
0433	IB Psychology* (North)	11-12
0442	Law Studies	11-12
0450	AP United States History**	11-12
0451	AP European History	10-12
0453	AP Psychology	11-12
0456	AP Human Geography**	9-12

* Fulfills Human Resource Graduation Requirement

** May be taken for elective credit if not taken to fulfill a Social Studies Graduation Requirement

IB Courses (North High School)	
11-12th Grade	12th Grade
0418 IB 20 th Century World History Topics SL/HL 0433 IB Psychology SL (HR)	0455 IB History of the Americas HL II

SOCIAL STUDIES

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
SOCIAL STUDIES										
0408	World Geography - Class of 2018 and Beyond	5	9			•	•	•	•	•
0412 A/B	World Geography - Classes of 2015, 2016, 2017	10	10-12			•	•	•	•	•
0414	United States Government & Economics	5	11-12			•	•	•	•	•
0415	AP United States Government & Politics	5	11-12			•		•	•	•
0418 A/B	IB 20 th Century World History Topics SL/HL I	10	11-12			•		•		
0420 A/B	World History	10	10-12			•	•	•	•	•
0424	AP World History	10	10-12			•		•	•	•
0422	World Religions	5	10-12			•		•	•	•
0425	Human Diversity	5	9-12	HR		•		•	•	•
0426	International Relations	5	9-12	HR		•		•	•	•
0430	Introduction to Behavioral Sciences	5	9-12	HR		•		•	•	•
0431	Sociology	5	11-12	HR		•	•	•	•	•
0432	Psychology	5	11-12	HR		•	•	•	•	•
0433 A/B	IB Psychology SL	10	11-12	HR		•		•		
0442	Law Studies	5	11-12			•	•	•	•	•
0449	United States History	10	11-12			•	•	•	•	•
0450 A/B	AP United States History	10	11-12			•		•	•	•
0451 A/B	AP European History	10	10-12			•		•	•	•
0453	AP Psychology	5	11-12	HR	0432	•		•	•	•
0455 A/B	IB History of the Americas HL II	10	12		0418	•		•		
0456 A/B	AP Human Geography	10	9-12		†	•		•	•	•
0457	AP Comparative Government and Politics	5	11-12			•		•	•	•

HR = Human Resources

† = See course descriptions for additional requirements.

SOCIAL STUDIES

0408 WORLD GEOGRAPHY CLASS OF 2018 AND BEYOND

9

5 Credits

Description: Students will function as global citizens; to exhibit understanding of the interactions between humans and their physical environment, cultural diversity, global interdependence, and international cooperation and conflict. With this understanding, students will develop skills necessary to analyze historical and contemporary events.

Prerequisites: None

0412 WORLD GEOGRAPHY CLASSES OF 2015, 2016, 2017

10-12

10 Credits

Description: Today's world is driven by the interrelationships between nations. To function as a global citizen, students must have an understanding of global interdependence and diversity, the effect of cooperation and conflict resolution between nations, and the impact of culture and history upon contemporary world issues. From this understanding, students will develop a world perspective to view events of the day.

Prerequisites: None

0414 UNITED STATES GOVERNMENT AND ECONOMICS 11-12 5 Credits

Description: Students will acquire knowledge and skills necessary to function as an educated, concerned, and active citizen in our political and economic systems. Classroom learning is strengthened by participation in the review and analysis of prior service learning through a culminating project.

Prerequisites: None

0415 ADVANCED PLACEMENT® UNITED STATES GOVERNMENT & POLITICS 11-12 5 Credits

Description: Students will acquire knowledge and skills necessary to function as an educated, concerned and active citizen in our political and economic system. Classroom learning is strengthened by participation in the review and analysis of prior service learning through a culminating project. Completion of this college level course will prepare students to take the national Advanced Placement® exam in United States Government & Politics.

Prerequisites: None

0418 IB 20TH CENTURY WORLD HISTORY TOPICS SL/HL I 11-12 North only 10 Credits

Description: IB Twentieth Century World History Topics will be offered at Millard North High School at the Standard Level for IB students their junior or senior year. This course will be offered as the first year of the two-year curriculum for the History of the Americas, which is offered at the Higher Level. Through a comparative analysis of the topics being applied to the former Soviet Union, the Middle East, Western and Eastern Europe, China, and the Americas, the student will gain an appreciation of the diversity of human nature and its impact on economic, political, and social development of specific countries and issues, including domestic and foreign policy.

Prerequisites: None

0420 WORLD HISTORY 10 10 Credits

Description: Students will examine the interaction of humans and their environment, development, and interaction of cultures, comparison of economic, political, and social structures in order to analyze their historical impact upon one another. This course explores the time period from prehistory to the present.

Prerequisites: None

0424 ADVANCED PLACEMENT® WORLD HISTORY 10-12 10 Credits

Description: Students will examine the interaction of humans and their environment, development, and interaction of cultures, comparison of economic, political and social structures to analyze their historical impact upon one another. This course explores the time periods from prehistory to the present. Completion of this college level course will prepare students to take the national Advanced Placement® exam in World History.

Prerequisites: None

0422 WORLD RELIGIONS 10-12 5 Credits

Description: Students will analyze the five major religions of the world: Buddhism, Christianity, Hinduism, Islam, and Judaism. Students will explore the basic tenets and history of each religion to evaluate the impact of people, events, ideas and symbols upon each other.

Prerequisites: None

0425 HUMAN DIVERSITY 9-12 5 Credits

Description: Students will examine contemporary problems faced by social groups, characterized by race, ethnicity, gender, and socioeconomic status, in the United States. Historical contributions and struggles of these groups will be examined and related to present-day life. This course fulfills the Human Resource requirement.

Prerequisites: None

0426 INTERNATIONAL RELATIONS 9-12 5 Credits

Description: Students will analyze the role of the United States in the international community and the problems faced by our nation. Through a problem-solving approach, major issues will be investigated using historical and contemporary sources with an emphasis on understanding these complex issues. This course fulfills the Human Resource requirement.

Prerequisites: None

0430 INTRODUCTION TO BEHAVIORAL SCIENCES 9-12 5 Credits

Description: Students will explore the behavioral sciences through the disciplines of anthropology, sociology, and psychology to understand the perspective of each field of study. This course fulfills the Human Resource requirement.

Prerequisites: None

- 0431 SOCIOLOGY** **11-12** 5 Credits
Description: Students will develop an understanding of group behavior and social interaction through analysis of the structure, values and functions of groups in various levels of our society. This course fulfills the Human Resource requirement.
Prerequisites: None
- 0432 PSYCHOLOGY** **11-12** 5 Credits
Description: Students will research the discipline of Psychology as the scientific study of the individual and his/her behavior by connecting psychology to the world. This course fulfills the Human Resource requirement.
Prerequisites: None
- 0433 IB PSYCHOLOGY SL** **11-12** **North only** 10 Credits
Description: This course enables students to promote an awareness of and respect for the psychological diversity of human beings with reference to their biological, social, and cultural influences. Students will develop an appreciation of the broad scope of psychology, as well as an understanding of the different theoretical approaches utilized in understanding behavior. They will be able to describe, compare, and evaluate the key ideas of all four of psychology's major perspectives, as well as the historical and cultural contexts in which each developed. Students will be introduced to scientific methodology used in psychological inquiry, demonstrate their ability to design, conduct, and report a simple experiment, as well as review ethical practices and responsibilities essential to such inquiry. Ultimately, they will explore the practical applications of psychology and demonstrate the relevance of psychology to daily life, from the individual level to the global level representing an international perspective. This course fulfills the Human Resources graduation requirement.
Prerequisites: None
- 0442 LAW STUDIES** **11-12** 5 Credits
Description: Students will investigate the field of law and our criminal justice system. Topics include criminal behavior, the Bill of Rights, police work, prosecution, the courts, our correctional system, and civil and criminal law.
Prerequisites: None
- 0449 UNITED STATES HISTORY (Classes of 2018 and Beyond)** **11-12** 10 Credits
Description: Students will evaluate major events in United States history beginning with the Progressive Era and continuing towards the present to research, analyze and understand past, current and potential issues and events at the local, state and national levels.
Prerequisites: None
- 0450 ADVANCED PLACEMENT® UNITED STATES HISTORY** **11-12** 10 Credits
Description: Students will study the history of the United States chronologically from the pre-colonial era moving toward the present. Completion of this college level course will prepare students to take the Advanced Placement® United States History exam.
Prerequisites: None
- 0451 ADVANCED PLACEMENT® EUROPEAN HISTORY** **10-12** 10 Credits
Description: Students will study European history since 1450 and examine cultural, economic, political, and social developments that played a fundamental role in shaping the world. Completion of this college level course will prepare students to take the national Advanced Placement® exam in European History.
Prerequisites: None
- 0453 ADVANCED PLACEMENT® PSYCHOLOGY** **11-12** 5 Credits
Description: Students will continue to focus on the concepts started in Psychology. Students will further evaluate the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students will examine the psychological facts, principals, and phenomena associated with the major subfields of psychology. Completion of this college level course will prepare students to take the national Advanced Placement® exam in Psychology.
Prerequisites: Psychology

0455 IB HISTORY OF THE AMERICAS HL II**12****North only****10 Credits**

Description: The History of the Americas course uses the Americas as its regional option. It is a one-year curriculum where students will study common experiences in the Americas through a comparative analysis of the histories of the United States, Latin America, and Canada. The course will center on the following themes: history, politics, culture, society, economics, technology diplomacy, and international affairs. This course is offered with 20th Century World History Topics as part of a two-year curriculum. It will focus on regional case studies of the Americas, and students will be testing at IB higher level.

Prerequisites: IB 20th Century World History Topics

0456 ADVANCED PLACEMENT[®] HUMAN GEOGRAPHY**9-12****10 Credits**

Description: Students will explore the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science practice. Completion of this college level course will prepare students to take the national Advanced Placement[®] exam in Human Geography.

Prerequisites: None

0457 ADVANCED PLACEMENT[®] COMPARATIVE GOVERNMENT & POLITICS 11-12**5 Credits**

Description: Students will be introduced to the fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of settings. Six countries form the core of this course: China, Great Britain, Iran, Mexico, Nigeria, and Russia. The aim is to illustrate the rich diversity of political life, to analyze institutional alternatives, to explain differences in processes and policy outcomes, and to appreciate the importance of global and economic changes. Completion of this college level course will prepare students to take the national Advanced Placement[®] exam on Comparative Government and Politics.

Prerequisites: None

SPECIAL EDUCATION

All students must be verified with a special education disability to qualify for the following classes. Each course will be differentiated to fit the needs of the students based on the students' Individual Educational Plan (IEP). These courses are NOT college preparatory; however, they do fulfill the necessary requirements for graduation. All listed courses may not be offered each semester due to insufficient student enrollment or staff availability.

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
SPECIAL EDUCATION										
0900 A/B	Fundamental English	10	9-12		†			•	•	•
0903 A/B	Essentials of English 11	10	11		†			•	•	•
0908 A/B	Fundamental Reading	10	9-12		†			•	•	•
0920 A/B	Fundamental Math	10	9-12		†			•	•	•
0930 A/B	Fundamental Science	10	9-12		†			•	•	•
0932 A/B	Essentials of Biology	10	9		†			•	•	•
0933	Essentials of Human Physiology I	5	11-12		†			•	•	•
0934	Essentials of Human Physiology II	5	11-12		†			•	•	•
0935	Essentials of Environmental Science	5	11-12		†			•	•	•
0936	Essentials of Physical Science: Chemistry	5	10-11		†			•	•	•
0937	Essentials of Physical Science: Physics	5	10-11		†			•	•	•
0940 A/B	Fundamental Social Studies	10	9-12		†			•	•	•
0941 A/B	Essentials of American History (Since 1914)	10	9		†			•	•	•
0942 A/B	Essentials of World Geography - Classes of 2015, 2016, 2017	10	10		†			•	•	•
0944	Essentials of United States Government & Economics	5	12		†			•	•	•
0946	Essentials of World Geography - Class of 2018	5	9		†			•	•	•
0947	Essentials of Human Diversity	5	9-12		†			•	•	•
0948	Essentials of World History	10	10		†			•	•	•
0949	Essentials of United States History - Class of 2018 and Beyond	10	11-12		†			•	•	•
0945	Employability Skills	5	11-12		†			•	•	•
0950	Fundamental Daily Living	5	10-12		†			•	•	•
0951	Fundamental Independent Living	5	9-12		†			•	•	•
0970	Fundamental Technology	5	9-12		†			•	•	•
0971 A/B	Fundamental Prevocational Skills	10	9-12		†			•	•	•
0960	Fundamental Personal Finance	5	9-12		†			•	•	•
0973	Work Introduction Network I	5	9-12		†			•	•	•
0974	Work Introduction Network II	5	9-12		†			•	•	•

† = See course descriptions for additional requirements.

SPECIAL EDUCATION
0900 FUNDAMENTAL ENGLISH **9-12** 10 Credits

Description: This course is designed for students who require an alternate curriculum in written and oral expression. This course's grading system is pass/fail.

Prerequisites: Enrollment in this course is limited to students in an alternate curriculum program and recommended by student's IEP Team

0903 ESSENTIALS OF ENGLISH 11 **11** 10 Credits
American Perspectives through Literature

Description: Through this course, students will question how American literature reflects the identities and cultures of the United States. Students will become adept at analyzing texts from a variety of genres through multi-cultural, multi-racial, women's and men's perspectives in historical and contemporary American literature. By analyzing the author's views and social context, students will delve into deeper understanding of language, literature, and the writing process. Students will study a variety of texts including short stories, novels, poetry, drama, fiction, non-fiction and visual text. This class will be assessed using a variety of methods, including, but not limited to, essays, presentations, and creative critical thinking activities. Students may utilize additional/supplemental curriculum materials to meet their individual needs.

Prerequisites: IEP Team recommendation and approval by Special Education Department Head and Building Administrator

0908 FUNDAMENTAL READING **9-12** 10 Credits

Description: This course is designed for students who require an alternate curriculum in reading. This course's grading system is pass/fail.

Prerequisites: Enrollment in this course is limited to students in an alternate curriculum program and recommended by student's IEP Team

0920 FUNDAMENTAL MATH **9-12** 10 Credits

Description: This course is designed for students who require an alternate curriculum in math. This course's grading system is pass/fail.

Prerequisites: Enrollment in this course is limited to students in an alternate curriculum program and recommended by student's IEP Team

0930 FUNDAMENTAL SCIENCE **9-12** 10 Credits

Description: This course is designed for students who require an alternate curriculum in science. This course's grading system is pass/fail.

Prerequisites: Enrollment in this course is limited to students in an alternate curriculum program and recommended by student's Individualized IEP Team

0932 ESSENTIALS OF BIOLOGY **9** 10 Credits

Description: This course offers an opportunity to explore diversity and interdependence in our living world. This course provides a general overview of major biological topics including the cell, genetics, biochemistry, interdependence of organisms, and related Earth science concepts. Through inquiry, students develop a conceptual understanding of biology as they acquire important information and refine their laboratory skills.

Prerequisites: IEP Team recommendation and approval by Special Education Department Head and Building Administrator

0936 ESSENTIALS OF PHYSICAL SCIENCE: CHEMISTRY **10-11** 5 Credits

Description: In this course students explore traditional concepts of atomic structure, properties of matter, and interactions of matter, as well as related space science concepts, while enhancing critical thinking and lab skills through hands-on experiences. Completion of this 5-credit course fulfills the chemistry graduation requirement.

Prerequisites: IEP Team recommendation and approval by Special Education Department Head and Building Administrator

- 0937 ESSENTIALS OF PHYSICAL SCIENCE: PHYSICS** 10-11 5 Credits
Description: In this course students use hands-on, technology-based laboratory experiences to explore and verify Newton's three laws of motion, universal forces, energy transformations, heat, sound, light, nuclear physics, and related Earth science concepts. Completion of this 5-credit course fulfills the physics graduation requirement.
Prerequisites: IEP Team recommendation and approval by Special Education Department Head and Building Administrator
- 0933 ESSENTIALS OF HUMAN PHYSIOLOGY I** 11-12 5 Credits
0934 ESSENTIALS OF HUMAN PHYSIOLOGY II 11-12 5 Credits
Description: These courses are a basic study of the structure and function of human body systems. They are recommended for students interested in learning about the structure and function of the human body, exploring current health topics such as cause and prevention of disease, acquiring health occupational skills and gaining insight into various health and medical careers.
Prerequisites: IEP Team recommendation and approval by Special Education Department Head and Building Administrator
- 0935 ESSENTIALS OF ENVIRONMENTAL SCIENCE** 11-12 5 Credits
Description: This course will help students become aware of how they fit into the delicate balance of their environment. Students will analyze natural and human made environmental problems, evaluate their risks and examine potential actions for preventing or solving these problems. Critical thinking, utilization of lab skills and participation in hands-on experiences will be significant components of this course.
Prerequisites: IEP Team recommendation and approval by Special Education Department Head and Building Administrator
- 0940 FUNDAMENTAL SOCIAL STUDIES** 9-12 10 Credits
Description: This course is designed for students who require an alternate curriculum in social studies. This course's grading system is pass/fail.
Prerequisites: Enrollment in this course is limited to students in an alternate curriculum program and recommended by student's IEP Team
- 0941 ESSENTIALS OF AMERICAN HISTORY (SINCE 1914)** 9 10 Credits
Description: This course continues the strands started in the eighth grade American History course and begins with the time period of 1914 prior to World War I and continues toward the present.
Prerequisites: IEP Team recommendation and approval by Special Education Department Head and Building Administrator
- 0946 ESSENTIALS OF WORLD GEOGRAPHY** 9 5 Credits
CLASS OF 2018 AND BEYOND
Description: Students will function as global citizens; to exhibit understanding of the interactions between humans and their physical environment, cultural diversity, global interdependence, and international cooperation and conflict. With this understanding, students will develop skills necessary to analyze historical and contemporary events.
Prerequisites: IEP Team recommendation and approval by Special Education Department Head and Building Administrator
- 0942 ESSENTIALS OF WORLD GEOGRAPHY** 10 10 Credits
CLASSES OF 2015, 2016, 2017
Description: This course focuses on the interrelationships between nations. To function as a global citizen, students will develop an understanding of global interdependence and diversity, cooperation and conflict between nations, and the impact of culture and history upon world issues. From this understanding, students will develop a world perspective to view events of the day.
Prerequisites: IEP Team recommendation and approval by Special Education Department Head and Building Administrator

0947 ESSENTIALS OF HUMAN DIVERSITY 9-12 5 Credits

Description: Students will examine contemporary problems faced by social groups, characterized by race, ethnicity, gender, and socioeconomic status, in the United States. Historical contributions and struggles of these groups will be examined and related to present-day life. This course fulfills the Human Relations requirement.

Prerequisites: IEP Team recommendation and approval by Special Education Department Head and Building Administrator

0944 ESSENTIALS OF UNITED STATES GOVERNMENT & ECONOMICS 12 5 Credits

Description: This course is designed to help seniors acquire the knowledge and skills necessary to function as an informed, concerned and active citizen/consumer in our democratic society and complex world. Classroom learning is strengthened through a required ten-hour community service component.

Prerequisites: IEP Team recommendation and approval by Special Education Department Head and Building Administrator

0948 ESSENTIALS OF WORLD HISTORY 10 10 Credits

Description: Students will examine the interaction of humans and their environment, development, and interaction of cultures, comparison of economic, political, and social structures in order to analyze their historical impact upon one another. This course explores the time period from prehistory to the present.

Prerequisites: IEP Team recommendation and approval by Special Education Department Head and Building Administrator.

0949 ESSENTIALS OF UNITED STATES HISTORY (Classes of 2018 and Beyond) 11-12 10 Credits

Description: Students will evaluate major events in United States history beginning with the Progressive Era and continuing towards the present to research, analyze and understand past, current and potential issues and events at the local, state and national levels.

Prerequisites: IEP Team recommendation and approval by Special Education Department Head and Building Administrator.

0945 EMPLOYABILITY SKILLS 11-12 5 Credits

Description: This exploratory course provides information to help students prepare to enter and succeed in the work force. Students will review the job application and interview process and learn the skills necessary to maintain successful employment in today's workforce. Knowledge of human relations and practical job skills to succeed and advance on the job are emphasized. Students will strengthen their basic skills in communication, self-management, and math as it applies to the work place.

Prerequisites: IEP Team recommendation

0950 FUNDAMENTAL DAILY LIVING 9-12 5 Credits

Description: This course is designed for students who require an alternate curriculum in the areas of self-care, health education, wellness, and safety.

Prerequisites: Enrollment in this course is limited to students in an alternate curriculum program and recommended by student's IEP Team

0960 FUNDAMENTAL PERSONAL FINANCE 9-12 5 Credits

Description: This course is designed for students who require an alternate curriculum for Personal Finance. This course's grading system is pass/fail.

Prerequisites: Enrollment in this course is limited to students in an alternate curriculum program and recommended by student's IEP Team

0951 FUNDAMENTAL INDEPENDENT LIVING 9-12 5 Credits

Description: This course is designed for students who require an alternate curriculum in the areas of cooking, household safety and cleanliness, finances, and leisure skills.

Prerequisites: Enrollment in this course is limited to students in an alternate curriculum program and recommended by student's IEP Team

0970 FUNDAMENTAL TECHNOLOGY 9-12 10 Credits

Description: This course is designed for students who require an alternate curriculum to access technology. This course's grading system is pass/fail.

Prerequisites: Enrollment in this course is limited to students in an alternate curriculum program and recommended by student's IEP Team

0971 FUNDAMENTAL PREVOCATIONAL SKILLS **9-12** 10 Credits

Description: This course is designed for students who require an alternate curriculum to learn pre-vocational work habits and skills in a supported environment. This course's grading system is pass/fail.

Prerequisites: Enrollment in this course is limited to students in an alternate curriculum program and recommended by student's IEP Team

0973 WORK INTRODUCTION NETWORK I **9-12** 5 Credits

Description: This course provides students with an opportunity to explore occupations in non-paid work experiences at pre-approved school or community sites. These functional experiences will provide students with hands-on training and exploration of actual job duties in various career interest areas in preparation for competitive employment. This course's grading system is pass/fail.

Prerequisites: Enrollment in this course is limited to students in an alternate curriculum program and recommended by student's IEP Team

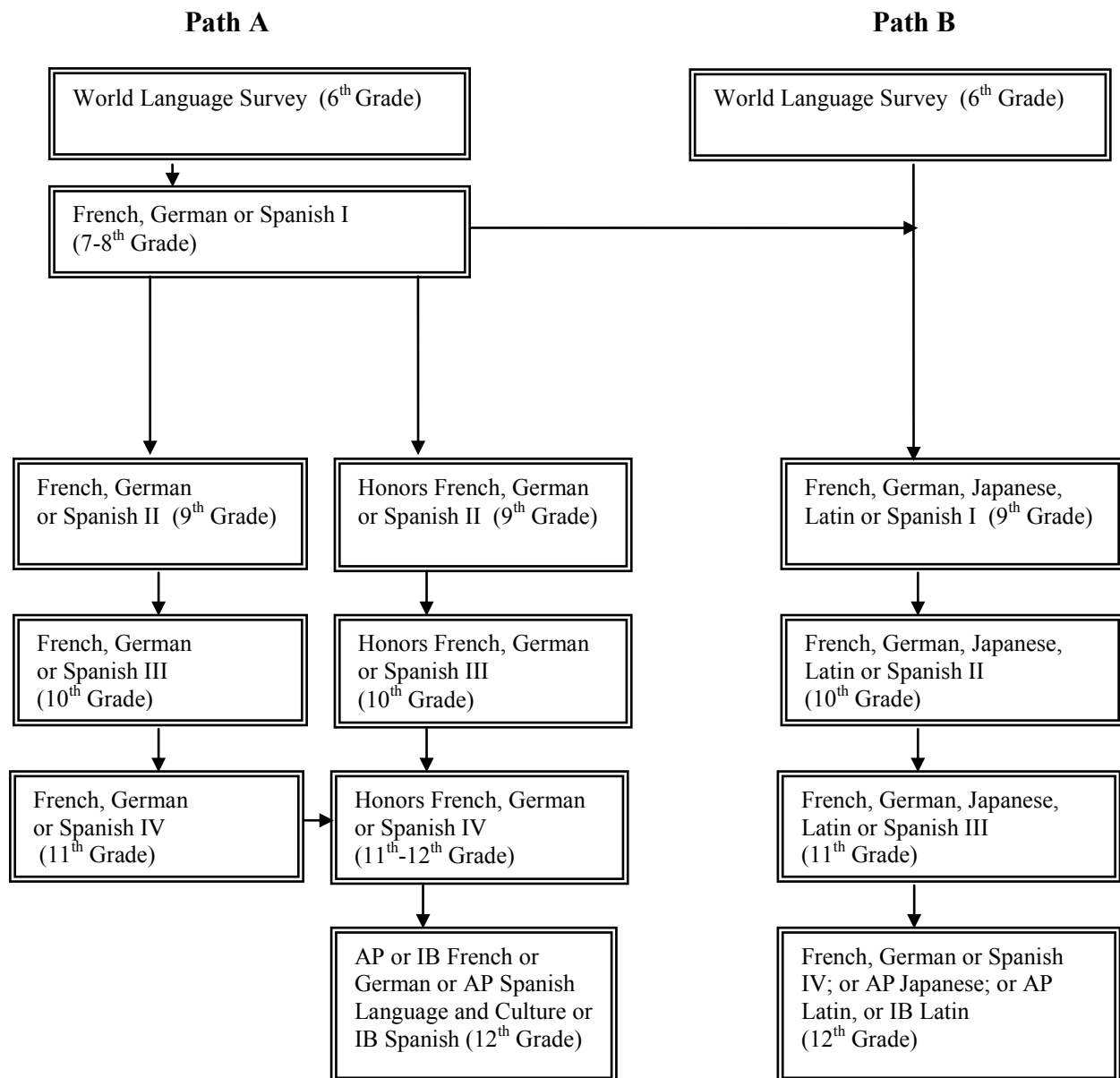
0974 WORK INTRODUCTION NETWORK II **9-12** 5 Credits

Description: This course provides students with an opportunity to explore occupations in non-paid work experiences at pre-approved school or community sites. These functional experiences will provide students with hands-on training and exploration of actual job duties in various career interest areas in preparation for competitive employment. This course's grading system is pass/fail.

Prerequisites: Enrollment in this course is limited to students in an alternate curriculum program and recommended by student's IEP Team

WORLD LANGUAGE

All students learn about French, German and Spanish language and culture in the sixth grade World Language Survey course. All students should begin studying a language in seventh grade. In middle school, French, German and Spanish I are taught over two years. At the end of eighth grade, a recommendation will be made regarding each student's placement in a ninth grade world language course.



Students are advised to take consecutive years of the same language. University of Nebraska System admissions requirements include two years of the same language. Students are highly encouraged to extend their language study throughout their high school years.

Students who demonstrate language proficiency are encouraged to learn a second language in high school while continuing the first language.

Although students normally follow one of the above paths, based on a student's proficiency, a recommendation may be made that a student take a different path.

WORLD LANGUAGE

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
WORLD LANGUAGE										
0112 A/B	German I	10	9-12					•	•	•
0113 A/B	German II	10	9-12		0112			•	•	•
0114 A/B	Honors German II	10	9-12		0112			•	•	•
0115 A/B	German III	10	10-12		0113			•	•	•
0116 A/B	Honors German III	10	10-12		0114			•	•	•
0117 A/B	German IV	10	11-12		0115			•	•	•
0118 A/B	Honors German IV	10	11-12		0116			•	•	•
0119 A/B	Advanced Placement® German Language	10	12		0118			•	•	•
0120 A/B	IB German B SL	10	12		0118			•		
0132 A/B	French I	10	9-12					•	•	•
0133 A/B	French II	10	9-12		0132			•	•	•
0134 A/B	Honors French II	10	9-12		0132			•	•	•
0135 A/B	French III	10	10-12		0133			•	•	•
0136 A/B	Honors French III	10	10-12		0134			•	•	•
0137 A/B	French IV	10	11-12		0135			•	•	•
0138 A/B	Honors French IV	10	11-12		0136			•	•	•
0139 A/B	Advanced Placement® French Language	10	12		0137			•	•	•
0140 A/B	IB French B SL	10	12		0138			•		
0152 A/B	Spanish I	10	9-12				•	•	•	•
0153 A/B	Spanish II	10	9-12		0152		•	•	•	•
0154 A/B	Honors Spanish II	10	9-12		0152			•	•	•
0155 A/B	Spanish III	10	10-12		0153			•	•	•
0156 A/B	Honors Spanish III	10	10-12		0154			•	•	•
0157 A/B	Spanish IV	10	11-12		0155			•	•	•
0158 A/B	Honors Spanish IV	10	11-12		0156			•	•	•
0159 A/B	Advanced Placement® Spanish Language & Culture	10	12		0158			•	•	•
0160 A/B	IB Spanish B SL	10	12		0158			•		
0171 A/B	IB Spanish A2 HL	10	12					•		
0161 A/B	IB Latin SL	10	12		0164			•		
0162 A/B	Latin I	10	9-12					•		•
0163 A/B	Latin II	10	10-12		0162			•		•
0164 A/B	Latin III	10	11-12		0163			•		•
0172 A/B	Advanced Placement® Latin	10	12		0164			•		
0166 A/B	Japanese I	10	9-12					•		
0167 A/B	Japanese II	10	10-12		0166			•		
0168 A/B	Japanese III	10	11-12		0167			•		
0170 A/B	Advanced Placement® Japanese Lang. & Culture	10	12		0168			•		

WORLD LANGUAGE

- 0112 GERMAN I** **9-12** 10 Credits
Description: Students will acquire the vocabulary and structures needed for listening, speaking, reading and writing at an introductory level. Students will learn about and experience cultural practices relating to the German-speaking countries and explore the German heritage within the United States.
Prerequisites: None
- 0113 GERMAN II** **9-12** 10 Credits
Description: Students will continue learning vocabulary and developing skills to express themselves. Students will explore the culture through a variety of topics. Using listening, speaking, reading and writing skills, students will communicate in German.
Prerequisites: German I or the equivalent
- 0114 HONORS GERMAN II** **9-12** 10 Credits
Description: Student will continue learning vocabulary and developing skills to express themselves. Students will explore the culture through a variety of topics. Using listening, speaking, reading and writing skills, students will communicate in German. Additional grammar, readings, writings and enhancement activities differentiate this course from German II. Students will be expected to use higher level thinking skills.
Prerequisites: German I or the equivalent
- 0115 GERMAN III** **10-12** 10 Credits
Description: Students will further develop the reading, writing, listening and speaking skills needed to function in the language and in practical situations by exploring travel in Germany. Students will connect with the target culture through the use of technology, media and other sources. Students will also learn to express opinions about their present, past and future experiences.
Prerequisites: German II or the equivalent
- 0116 HONORS GERMAN III** **10-12** 10 Credits
Description: Students will further develop the reading, writing, listening and speaking skills needed to function in the language and in practical situations by exploring travel in Germany. Students will connect with the target culture through the use of technology, media and other sources. Students will also learn to express opinions about their present, past and future experiences. Additional grammar, readings, writings and enhancement activities differentiate this course from German III. Students will be expected to use higher level thinking skills.
Prerequisites: Honors German II or the equivalent
- 0117 GERMAN IV** **11-12** 10 Credits
Description: Students will continue developing reading, writing, speaking and listening skills. Students will be able to communicate with greater fluency and spontaneity. A variety of cultural themes will be explored.
Prerequisites: German III or the equivalent
- 0118 HONORS GERMAN IV** **11-12** 10 Credits
Description: Students will go beyond the functional level practiced in previous courses and will develop more abstract communication skills. Students will be able to communicate with greater proficiency. A variety of cultural themes will be explored. Additional grammar, readings, writing and enhancement activities differentiate this course from German IV.
Prerequisites: Honors German III or the equivalent
- 0119 ADVANCED PLACEMENT[®] GERMAN LANGUAGE** **12** 10 Credits
Description: Students will improve in all skill areas. Emphasis will be placed on using authentic materials to increase reading and listening skills. Higher level communication skills will be attained through a variety of oral and written activities and assignments. This course will be conducted in German, and students are expected to speak German at all times. Completion of this course will prepare students to take the Advanced Placement[®] German Language exam.
Prerequisites: Honors German IV or the equivalent

- 0120 IB GERMAN B SL** **12** **North only** 10 Credits
Description: A student may take this course as a fifth year language course and/or choose to take the AP exam. The student will improve in all skill areas (reading, writing, speaking and understanding). Grammar is reviewed as needed to aid in effective communication. Emphasis will be placed on using authentic material such as video, magazines, and newspapers to study current events and culture in order to provide a thorough understanding of the language so that optimum communication can be achieved. Higher-level communication skills will be attained and assessed through a variety of oral and written activities and assignments. The IB curriculum will be emphasized, but students may also sign up to take the AP exam. The necessary AP review materials will be available.
Prerequisites: Honors German IV
- 0132 FRENCH I** **9-12** 10 Credits
Description: Students will acquire the vocabulary and structures needed for listening, speaking, reading and writing at an introductory level. Students will learn about and experience cultural practices relating to the French-speaking countries.
Prerequisites: None
- 0133 FRENCH II** **9-12** 10 Credits
Description: Students will continue learning vocabulary and developing skills to express themselves. Students will explore the culture through a variety of topics. Using listening, speaking, reading and writing skills, students will communicate in French.
Prerequisites: French I or the equivalent
- 0134 HONORS FRENCH II** **9-12** 10 Credits
Description: Student will continue learning vocabulary and developing skills to express themselves. Students will explore the culture through a variety of topics. Using listening, speaking, reading and writing skills, students will communicate in French. Additional grammar, readings, writings and enhancement activities differentiate this course from French II. Students will be expected to use higher level thinking skills.
Prerequisites: French I or the equivalent
- 0135 FRENCH III** **10-12** 10 Credits
Description: Students will further develop the reading, writing, listening and speaking skills needed to function in the language and in practical situations by exploring travel in Francophone countries. Students will connect with the target culture through the use of technology, media and other sources. Students will also learn to express opinions about their present, past and future experiences.
Prerequisites: French II or the equivalent
- 0136 HONORS FRENCH III** **10-12** 10 Credits
Description: Students will further develop the reading, writing, listening and speaking skills needed to function in the language and in practical situations by exploring travel in Francophone countries. Students will connect with the target culture through the use of technology, media and other sources. Students will also learn to express opinions about their present, past and future experiences. Additional grammar, readings, writings and enhancement activities differentiate this course from French III. Students will be expected to use higher level thinking skills.
Prerequisites: Honors French II or the equivalent
- 0137 FRENCH IV** **11-12** 10 Credits
Description: Students will continue developing reading, writing, speaking and listening skills. Students will be able to communicate with greater fluency and spontaneity. A variety of cultural themes will be explored.
Prerequisites: French III or the equivalent
- 0138 HONORS FRENCH IV** **11-12** 10 Credits
Description: Students will go beyond the functional level practiced in previous courses and will develop more abstract communication skills. Students will be able to communicate with greater proficiency. A variety of cultural themes will be explored. Additional grammar, readings, writings and enhancement activities differentiate this course from French IV. Students will be expected to use higher level thinking skills.
Prerequisites: Honors French III or the equivalent

0139 ADVANCED PLACEMENT® FRENCH LANGUAGE**12**

10 Credits

Description: Students will improve in all skill areas. Emphasis will be placed on using authentic materials to increase reading and listening skills. Higher level communication skills will be attained through a variety of oral and written activities and assignments. This course will be conducted in French, and students are expected to speak French at all times. Completion of this course will prepare students to take the Advanced Placement® French Language exam.

Prerequisites: Honors French IV or the equivalent

0140 IB FRENCH B SL**12 North only**

10 Credits

Description: A student may take this course as a fifth year language course and/or choose to take the Advanced Placement® exam. The premise of this curriculum is that the student should have a fundamental knowledge of the history, geography, literature, and art/music of the country in order to understand better the modern culture that has evolved and its role in the world. Current events and world affairs will be the core. The continuing study of French civilization and the reading of literary works from more modern periods are the basis of the course. Students work with advanced grammatical materials and use higher level thinking skills in activities that go beyond the functioning level to a more refined level of reading, writing, speaking and listening. The goal of active communication in French is given high priority. Cultural concepts are explored as they relate to literature, civilization, and international studies. Through use of video, magazines and newspapers, the students will deal with current issues in Francophone countries and other countries around the world. The IB curriculum will be emphasized, but students may also sign up to take the Advanced Placement® exam. The necessary Advanced Placement® review materials will be available.

Prerequisites: Honors French IV

0152 SPANISH I**9-12**

10 Credits

Description: In Spanish I, students will express basic needs, courtesies, descriptions, likes and dislikes, agreement and disagreement. Also, they will make and respond to simple requests, questions, and instructions. They will read and respond to developmentally appropriate material. Students will identify and react to cultural perspectives and practices in the culture studied. Additional practice and review will be required.

Prerequisites: None

0153 SPANISH II**9-12**

10 Credits

Description: Spanish II is a continuation of the language acquisition process begun in Spanish I. New grammatical concepts and vocabulary are introduced to broaden the student's ability to communicate. Listening and speaking skills are developed through guided oral conversation and in-class activities. Writing skills are improved through written exercises and directed compositions. Cultural topics and reading practice will also be integrated. Additional practice and review will be required.

Prerequisites: Spanish I or the equivalent

0154 HONORS SPANISH II**9-12**

10 Credits

Description: Honors Spanish II is a continuation of the language acquisition process begun in Spanish I. New grammatical concepts and active vocabulary are introduced. Listening and speaking skills are developed through oral exercises and group discussion. Writing skills are improved through written exercises and directed composition. Cultural concepts and reading practice are integrated through short literary works. Creative thinking and higher level thinking skill activities are emphasized throughout the course. Additional practice and review will be required.

Prerequisites: Spanish I or the equivalent

0155 SPANISH III**10-12**

10 Credits

Description: Spanish III is a continuation of the language acquisition process begun in the proceeding Spanish courses. Conversations will be initiated and/or narrated by the student using appropriate vocabulary and structure. Students will use a variety of tenses to communicate with growing fluency. Cultural concepts and reading practice are integrated through literary works. Listening, speaking and writing activities emphasize real communication. The majority of the class will be taught in Spanish. Additional practice and review will be required.

Prerequisites: Spanish II or the equivalent

0156 HONORS SPANISH III **10-12** 10 Credits

Description: Honors Spanish III is a continuation of the language acquisition process begun in the preceding Spanish courses. Students will initiate conversation and/or narrate using appropriate vocabulary and structure. Students will use a variety of tenses to communicate with growing fluency. Listening, speaking and writing activities emphasize real communication. Emphasis is placed on improvement of skills in a variety of higher level learning activities and projects. Students in this course will begin preparation for the Advanced Placement® exam. The majority of the class will be taught in Spanish. Additional practice and review will be required.

Prerequisites: Honors Spanish II or the equivalent

0157 SPANISH IV **11-12** 10 Credits

Description: Spanish IV involves the application of the language skills learned in the previous Spanish courses. Varied topics of the customs and culture of the Hispanic people are presented through literary works and short stories. There is a greater emphasis in oral communication through discussions and presentations. Major grammatical concepts are reviewed from prior levels. Classes are conducted in Spanish. Additional practice and review will be required.

Prerequisites: Spanish III or the equivalent

0158 HONORS SPANISH IV **11-12** 10 Credits

Description: Honors Spanish IV involves the application of the language skills learned in the previous Spanish courses. Varied topics of the customs and culture of the Hispanic people are presented through literary works and short stories. There is a greater emphasis in oral communication through discussions and presentations. Major grammatical concepts are reviewed from prior levels. Classes are conducted in Spanish. Students in this course will continue preparation for the Advanced Placement® exam. Additional practice and review will be required.

Prerequisites: Honors Spanish III or the equivalent

0159 ADVANCED PLACEMENT® SPANISH LANGUAGE & CULTURE **12** 10 Credits

Description: Advanced Placement® Spanish Language & Culture emphasizes listening, reading, writing, and speaking skills. Through the use of authentic print and audio materials, students will gain advanced knowledge of the Spanish language. Cultural knowledge will be taught throughout the course and grammatical concepts reviewed. This course will be conducted in Spanish, and students are expected to speak Spanish at all times. Completion of this course will prepare students to take the Advanced Placement® Spanish Language & Culture exam.

Prerequisites: Honors Spanish IV or the equivalent

0160 IB SPANISH B SL **12** **North only** 10 Credits

Description: The objective of the course is to advance students' reading comprehension, oral and listening skills, and writing proficiency through the study of literature and current events. Themes such as family, health, urban problems and civil rights are analyzed from many cultural perspectives. Special attention is devoted to current events and issues concerning the Hispanic world. Students should have strong grammatical skills at the onset because the class emphasizes building vocabulary and increasing fluency. Few new structures are introduced, and brief grammar review is done as necessary. Spanish is used almost exclusively in class. Students are expected to exercise analytical skills, critical thinking and creativity. An independent study of Hispanic literature is required. Students are encouraged to seek, and are provided, opportunities to participate in Spanish-speaking communities directly and by electronic means. Authentic sources from multiple countries, class standpoints and genres are incorporated. A student may take this course as a fifth year language course and/or choose to take the AP exam.

Prerequisites: Honors Spanish IV

0161 IB LATIN SL **12** **North only** 10 Credits

Description: Through the poetry of Ovid, Horace, Vergil, and Catullus, the scholar will demonstrate excellent knowledge and understanding of the influences and perspectives the modern world has of the ancient world. By intensely studying the grammar of Latin, the scholar will be more adept at analyzing the ancient authors' subtle and overt intentions. Students will study the authors' techniques, styles, and both the literary and non-literary connections to the Roman civilization. Scholars will use the Latin texts, as well as English translations, to support the development of analysis regarding the impact these authors and the Roman world had upon the past and the present cultures. The scholar will enjoy using these timeless pieces of literature as a basis of exploration into our own modern humanity. The Standard Level assessment includes translating unprepared scripts and masterfully analyzing in-depth extracts from within subordinate topics.

Prerequisites: Latin III

- 0162 LATIN I** **9-12 North and West only** 10 Credits
Description: Latin I provides an introduction to the Latin language with emphasis on acquiring a vocabulary foundation, strengthening basic grammatical skills and learning Classical Latin reading skills. Students will begin a literature study focusing on Roman and/or Greek epic poetry. Roman history and culture and Roman and Greek mythology will provide an understanding of the historical and contemporary influences of the Ancient Roman world.
Prerequisites: None
- 0163 LATIN II** **10-12 North and West only** 10 Credits
Description: Latin II is a continuation of the language acquisition process begun in the preceding Latin course. New grammar concepts and active and passive vocabulary advance the students' ability to comprehend Latin manuscripts and further communication skills using Latin. Students will continue literature studies emphasizing primary historical sources in translation. Roman historical and cultural studies will focus primarily upon the legacy of Julius Caesar and the Roman Republic.
Prerequisites: Latin I
- 0164 LATIN III** **11-12 North and West only** 10 Credits
Description: Latin III explores the development of both prose and poetry, emphasizing the authors Cicero, Caesar and Catullus, with authentic reading selections chosen for their diversity, entertainment and appropriateness. Students will become entrenched historically and culturally in the worlds reflected through these authors. Latin composition provides students the opportunity to practice advanced grammatical structures. The enrichment materials focus on the progression of classical philosophy and the development of Ancient Greek and Roman art.
Prerequisites: Latin II
- 0172 ADVANCED PLACEMENT® LATIN** **12 North only** 10 Credits
Description: The final level of the Latin sequence involves intense study, analysis and translation of Vergil's Aenid and Julius Caesar's De Bello Gallico. A high degree of reading proficiency and vocabulary assimilation allows the scholar to study the cultural, social, and political content of these pieces of literature, as well as their respective genres and themes. Completion of this course will prepare students to take the Advanced Placement® Latin exam.
Prerequisites: Latin III
- 0166 JAPANESE I** **9-12 North only** 10 Credits
Description: This course will be a thorough introduction to Japanese. Students will be introduced to the polite or formal speech patterns. The students will also learn the basics of reading and writing in hiragana, cursive alphabet, and katakana, printed alphabet. There will be a balanced emphasis on speaking, listening, and writing Japanese. Topics covered will include daily situations, describing yourself and others, likes and dislikes, weather, time, days of the week and month, things that people do, and making requests. There will be presentations about the unique aspects of Japanese culture, geography, and perspectives on everyday life.
Prerequisites: None
- 0167 JAPANESE II** **10-12 North only** 10 Credits
Description: Japanese II is a continuation of the language skills acquisition process begun in Japanese I. New grammar concepts and active vocabulary are introduced to broaden the student's ability to communicate. Listening and speaking skills are developed through oral exercises and small group practice. Writing skills are improved through written exercises and directed compositions. Students will learn to write using kanji. Several short passages provide reading practice. The study of the unique aspects of the Japanese culture that was begun in Japanese I will be continued.
Prerequisites: Japanese I or the equivalent
- 0168 JAPANESE III** **11-12 North only** 10 Credits
Description: This course will focus on developing the student's proficiency in speaking, reading, and writing Japanese in the context of Japan's culture, history, and people. In order to enhance their understanding of Japanese, students must be able to read and write hiragana and katakana. There will be a balance with speaking and listening. Students will expand their use of kanji.
Prerequisites: Japanese II or the equivalent

0170 ADVANCED PLACEMENT® JAPANESE LANGUAGE & CULTURE 12 North only 10 Credits

Description: Students will improve in all skill areas. About 300 kanji will be incorporated into students' work, especially the ability to read kanji in context. Authentic materials, especially electronic sources, will be used to increase reading and listening skills. Higher level communication skills will be attained through a variety of oral and written activities and assignments. Completion of this course will prepare students to take the Advanced Placement® Japanese Language & Culture exam.

Prerequisites: Japanese III or the equivalent

0171 IB SPANISH A2 HL**12 North only 10 Credits**

Description: This course is for the native Spanish speaker. The objective of the course is to advance students' reading comprehension, oral and listening skills, and writing proficiency through the study of literature and current events. Themes such as family, health, urban problems and civil rights are analyzed in Spanish and from many cultural perspectives. Special attention is devoted to current events and issues concerning the Hispanic world. Students should have strong grammatical skills at the onset because the class emphasizes building vocabulary and increasing fluency. Few new structures are introduced, and brief grammar review is done as necessary. Spanish is used almost exclusively in class. Students are expected to exercise analytical skills, critical thinking and creativity. An independent study of Hispanic literature is required. Students are encouraged to seek, and are provided, opportunities to participate in Spanish-speaking communities directly and by electronic means. Authentic sources from multiple countries, class standpoints and genres are incorporated. IB curriculum will be taught in this course. A student may take this course as a 5th year language course and/or choose to take the Advanced Placement® Spanish Language exam.

Prerequisites: Honors Spanish IV, native Spanish speaker

Specialized Programs

ACADEMIES AT MILLARD HIGH SCHOOLS

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Dual Enrollment Credit	
ACADEMIES IN MILLARD HIGH SCHOOLS								
Culinary Skills Academy								
0007 A/B	English 11	10	11	•	Application	•	M	This academy is located at Horizon High. Application is open to all Millard students.
ACS01	Culinary Orientation Seminar	10	11				M	
ACS05	Culinary Foundations	10	11				M	
ACS10	Vegetable, Starch & Protein Cookery	5	11				M	
ACS15	Soup and Sauce Cookery	5	11				M	
ACS20	Baking Seminar	20	12				M	
ACS25	Cakes	5	12				M	
ACS30	Spanish for Culinary Professionals	5	12				M	
ACS35	Culinary Internship I	5	12					
ACS40	Culinary Internship II	5	12					
Distribution and Logistics Management								
0007 A/B	English 11	10	11	•	Application	•	M	This academy is located at Horizon High. Application is open to all Millard students.
ATD60	College Composition & Research	5	12	EE		•	M	
ATD10	Introduction to Business	5	11				M	
ATD01	Intro. Transportation, Distribution & Logistics	5	11				M	
ATD05	Industrial Safety and Health	5	11				M	
ATD15	Introduction to Distribution	5	11				M	
ATD20	Principles of Marketing	5	11				M	
ATD25	Principles of Management	5	11				M	
ATD30	Mechanical Print Reading	5	12				M	
ATD35	Business Logistics	5	12				M	
ATD40	Purchasing and Material Management	5	12				M	
ATD50	Production & Operations Management	5	12				M	
ATD55	Distribution and Logistics Management Internship	10	12					
ATD65	Radio Frequency Identification	5	12				M	
Education Academy								
0007 A/B	English 11	10	11	•	Application	•	M	This academy is located at West High. Application is open to all Millard students.
0527	Child Development	5	11	HR			M	
AED01	Child Development Pre-Practicum	5	11				M	
AED05	College Composition and Research	5	12	EE		•	M	
AED10	Introduction to Professional Education	5	11				O	
AED15	Education Seminar I	5	11					
0422	World Religions	5	11				O	
AED20	Behavior Modifications & Principles of Learning	5	12				M	
0453	Advanced Placement [®] Psychology	5	12			•	O	
AED25	Introduction to Communication Disorders	5	12				O	
AED30	Best Practices in Education	5	12					
AED35	Professional Speaking	5	11	OC		•	M	
AED40	Education Seminar II	5	12					
AED45	Education Seminar III	5	12					
AED50	Education Practicum	5	12					

HR=Human Resource OC=Oral Communications
O=University of Nebraska at Omaha

M=Metropolitan Community College
EE = English Elective

ACADEMIES AT MILLARD HIGH SCHOOLS

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Dual Enrollment Credit	
ACADEMIES IN MILLARD HIGH SCHOOLS								
	Entrepreneurship Academy				Application			
0007 A/B	English 11	10	11	•		•	M	This academy is located at South High. Application is open to all Millard students.
AEN01 A/B	College Accounting I	10	11				M	
AEN05	Wealth Building and Personal Finance	5	11	FL			M	
AEN10	Introduction to Business	5	11				O	
AEN20	Introduction to Entrepreneurship	5	11				M	
AEN25	Legal Issues for the Entrepreneur	5	11				M	
AEN30	Entrepreneurship Feasibility Study	5	12				M	
0541	Advanced Placement [®] Microeconomics	5	12				O	
AEN15	College Accounting II	5	12				M	
AEN40	Marketing for the Entrepreneur	5	12				M	
AEN45 A/B	Entrepreneurship Seminar and Internship	15	12				M	
0540	Advanced Placement [®] Macroeconomics	5	12				O	
	Health Sciences Academy				Application			
0453	Advanced Placement [®] Psychology	5	12			•		This academy is located at Horizon High. Application is open to all Millard students.
AHS01	Human Anatomy and Physiology	10	11	SE		•	M	
AHS05	Medical Terminology I	5	11				M	
AHS10	Medical Terminology II	5	11				M	
AHS15	Health Sciences Orientation Seminar	5	11				M	
AHS20	Introduction to Medical Law and Ethics	5	11				M	
AHS25	Nutrition in the Life Cycle	5	11				M	
AHS30	Disease Processes	5	11	SE		•	M	
AHS35	Long Term Care/Certified Nursing Assistant	10	12				M	
AHS40	Genetics	5	12	SE		•	M	
AHS45	Emergency Medical Technician-Basic	10	12				M	
AHS50	Health Sciences Internship	10	12					

FL = Financial Literacy

O=University of Nebraska at Omaha

M=Metropolitan Community College

SE = Science Elective

CULINARY SKILLS ACADEMY

Earn high school and college credit while participating in the Culinary Skills Academy. Jump-start your career by entering the workforce with specialized training. Culinary professionals are needed in a variety of settings: hotels, restaurants, country clubs, cruise ships, hospitals, and corporations.

Culinary Skills Academy Course Sequence Sample				
Year One			Year Two	
<u>Semester One</u> (Terms 1 & 2)	<u>Semester Two</u> (Terms 3 & 4)		<u>Semester One</u> (Terms 1 & 2)	<u>Semester Two</u> (Terms 3 & 4)
Culinary Orientation Seminar: Orientation, Sanitation, Culinary Math	English 11		Baking Seminar: Baking Basics, Pastries, and Artisan Breads	
Culinary Foundations			Spanish for Culinary Professionals	Cakes
	Vegetable, Starch, and Protein Cookery	Soup and Sauce Cookery	Culinary Internship I	Culinary Internship II

0007 ENGLISH 11

11

10 Credits

American Perspectives through Literature

Description: Through this course, students will question how American literature reflects the identities and cultures of the United States. Students will become adept at analyzing increasingly challenging texts from a variety of genres through cultural, racial, and gender perspectives in historical and contemporary American literature. By analyzing the author's views and social context, students will delve into deeper understanding of language, literature, and the writing process. Students will study a variety of texts including short stories, novels, poetry, drama, fiction, non-fiction, and visual text. Students will be assessed using a variety of methods including, but not limited to, essays, presentations, and creative critical thinking activities.

Prerequisites: English 9 and English 10

Dual Enrollment Credit: This course is offered for dual enrollment credit for ENGL 1010 (4.5 credits) at Metropolitan Community College and will transfer to University of Nebraska at Omaha as ENGL 1150 (3 credits).

ACS01 CULINARY ORIENTATION SEMINAR

11

10 Credits

Description: This is a block course to provide the foundation skills for the culinary sequence. Students will complete the following short courses to fulfill Metropolitan Community College requirements.

Prerequisites: None

- **ORIENTATION**

Description: This course is an introduction to the Culinary, Hospitality, Research and Management Programs (CHRM). Topics included are the professional kitchen, an overview of the tremendous career opportunities available in the industry and portfolio development.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for CHRM 1000 (2 credits) Orientation from Metropolitan Community College.

- **SANITATION**

Description: This course includes the study of safe food handling, identification of food-borne illness and establishment of a food safety system. The study of the flow of food through the operation, as well as safe storage, sanitary facilities, and equipment are included. Other topics include establishment of an integrated pest management system, accident prevention, and crisis handling. There will be an extensive discussion of sanitary regulations, agencies, and employee sanitation training. Upon successful completion of the Serv-Safe exam, students will receive the National Restaurant Association's certificate.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for CHRM 1020 (2 credits) Sanitation from Metropolitan Community College.

- **CULINARY MATH**

Description: This course will cover all of the basics of Culinary Math. Topics will include cost and profit formulas, recipe conversion, baking formulas, as well as basic math principles. **This course does not count for mathematics credit.**

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for CHRM 0950 (2 credits) Culinary Math from Metropolitan Community College.

ACS05 CULINARY FOUNDATIONS

11

10 Credits

Description: The student learns concepts of sanitation and safety as it relates to the food service industry. Areas addressed include tools, equipment, knife skills, food and plate presentation, food evaluation, basic cooking principles, including moist and dry heat methods, seasonings, flavorings and aromatics, fats, foams, gels, emulsions, dairy products, eggs and palate development.

Prerequisites: Culinary Orientation and Sanitation

Dual Enrollment Credit: This course is offered for dual enrollment credit for CHRM 1030 (4.5 credits) Culinary Foundations from Metropolitan Community College.

ACS10 VEGETABLE, STARCH, AND PROTEIN COOKERY

11

5 Credits

Description: Students study and apply cooking methods of scratch cookery through small batch assignments. Areas of study include rice and grains, potato products, wheat based products including pastas, dumplings, and breakfast items, beans and soy products, fruits, vegetables, salads and sandwiches. The student practices elementary presentation and garnishing.

Prerequisites: Culinary Foundations

Dual Enrollment Credit: This course is offered for dual enrollment credit for CHRM 1035 (4.5 credits) Culinary Foundations II from Metropolitan Community College.

ACS15 SOUP AND SAUCE COOKERY

11

10 Credits

Description: Students study and apply cooking methods of scratch cookery through small batch assignments. Areas of study include stocks, thickeners, roux-based sauces to include the four mother sauces, hot and cold butter sauces, emulsion sauces, salsas, sambas, vinaigrettes, and reductions, as well as soups including cream, clear and potage soups.

Prerequisites: Culinary Foundations

Dual Enrollment Credit: This course is offered for dual enrollment credit for CHRM 1120 (4 credits) Soup and Sauce Cookery from Metropolitan Community College.

ACS20 BAKING SEMINAR

12

20 Credits

Description: This is a block course to prepare the student for professional baking. Students will complete the following short courses to fulfill Metropolitan Community College requirements.

Prerequisites: Culinary Foundations

- **BAKING BASICS**

Description: Students learn to apply fundamental baking skills in preparing yeast breads, quick breads, cookies, pies, pastries, cakes, custards, creams and sauces.

Prerequisites: Culinary Foundations

Dual Enrollment Credit: This course is offered for dual enrollment credit for CHRM 1210 (4 credits) Baking Basics from Metropolitan Community College.

- **PASTRIES**

Description: This course provides an in-depth study of baking, emphasizing American and European pastries. Topics include knowledge of different fancy cookies, petit fours, puff pastries, paté a choux, meringues, assorted pastes and tarts, icing fillings and glazes.

Prerequisites: Baking Basics

Dual Enrollment Credit: This course is offered for dual enrollment credit for CHRM 1220 (4 credits) Pastries from Metropolitan Community College.

- **ARTISAN BREADS**

Description: This course is an in-depth study of Artisan bread baking. Old-world techniques are applied with an emphasis on levians, olish, and sponge bread methods.

Prerequisites: Sanitation

Dual Enrollment Credit: This course is offered for dual enrollment credit for CHRM 1250 (4 credits) Artisan Breads from Metropolitan Community College.

ACS25 CAKES

12

5 Credits

Description: This course provides an in-depth study of cake formula and assembly techniques. Topics include knowledge of different cake making methods, ingredients for icings, fillings, coatings, glazes and production of finished cakes. Attention is given to production of layered and component cakes using an assortment of creams including crème patisserie, Bavarians and mousse.

Prerequisites: Baking Basics

Dual Enrollment Credit: This course is offered for dual enrollment credit for CHRM 1260 (4 credits) Cakes from Metropolitan Community College.

ACS30 SPANISH FOR THE CULINARY PROFESSIONALS

12

5 Credits

Description: In this course the student will study the Spanish language as it relates to the food service profession. Students will demonstrate skill with vocabulary associated with the culinary arts, beginning grammatical concepts, and conversational elements of the Spanish language along with an understanding of the Hispanic culture.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for CHRM 1060 (3 credits) Spanish for the Culinary Professional from Metropolitan Community College.

ACS35 CULINARY INTERNSHIP I

12

5 Credits

ACS40 CULINARY INTERNSHIP II

12

5 Credits

Description: The internship provides the student with the opportunity to apply his/her knowledge, learn new techniques, and get on-the-job training at an approved work site. Students will work 10-12 hours per week.

Prerequisites: Year 1 Culinary Courses

DISTRIBUTION AND LOGISTICS MANAGEMENT ACADEMY

Earn high school and college credits while participating in the Distribution and Logistics Management Academy. Jump-start your career by entering the workforce with specialized training. Join the fastest growing career field in our state. Nebraska's central location makes it an ideal location to provide services to support manufacturing and to distribute products to the nation.

Distribution and Logistics Management Academy Course Sequence Sample			
Year One		Year Two	
<u>Semester One</u> (Terms 1 & 2)	<u>Semester Two</u> (Terms 3 & 4)	<u>Semester One</u> (Terms 1 & 2)	<u>Semester Two</u> (Terms 3 & 4)
English 11	Industrial Safety & Health	Mechanical Print Reading	Purchasing and Material Management
	Introduction to Distribution	College Composition and Research	Radio Frequency Identification
Introduction to Business	Principles of Marketing	Business Logistics	Production & Operations Management
Introduction to Transportation, Distribution & Logistics	Principles of Management	Distribution & Logistics Management Internship	

0007 ENGLISH 11 **11** 10 Credits

American Perspectives through Literature

Description: Through this course, students will question how American literature reflects the identities and cultures of the United States. Students will become adept at analyzing increasingly challenging texts from a variety of genres through multi-cultural, multi-racial, women's and men's perspectives in historical and contemporary American literature. By analyzing the author's views and social context, students will delve into deeper understanding of language, literature, and the writing process. Students will study a variety of texts including short stories, novels, poetry, drama, fiction, non-fiction, and visual text. Students will be assessed using a variety of methods, including, but not limited to, essays, presentations, and creative critical thinking activities.

Prerequisites: English 10 or English 10 Literacy Enrichment

Dual Enrollment Credit: This course is offered for dual enrollment credit for ENGL 1010 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as ENGL 1150 (3 credits).

ATD60 COLLEGE COMPOSITION AND RESEARCH **12** 5 Credits

Description: This course is designed to further develop the skills of English 11 by teaching students how to synthesize and organize primary and secondary sources for the purpose of composing a formal research paper on an educational topic using the Modern Language Association format.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for ENGL 1020 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as ENGL1160 (3 credits).

ATD10 INTRODUCTION TO BUSINESS **12** 5 Credits

Description: A survey of the structure and functions of the American business system is provided, together with an overview of business organization, finance, managerial control, production/distribution, personnel, the interdependence of business and government and consumer business relations.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for BSAD 1000 (4.5 credits) Introduction to Business from Metropolitan Community College.

ATD01 INTRODUCTION TO TRANSPORTATION, DISTRIBUTION AND LOGISTICS**11** 5 Credits

Description: This course is an introduction to the transportation, distribution and logistics career field. Students will study planning, management and movement of people, materials and products by road, air, rail, and water.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for INCT 1100 (4.5 credits) from Metropolitan Community College.

ATD05 INDUSTRIAL SAFETY AND HEALTH**11** 5 Credits

Description: This course covers the basics of industrial safety and health. Topics include lock out/tag out, confined space entry, blood-borne pathogens, hot work, ladder safety, and fall protection. Additional safe work practices and procedures are covered. Students who successfully complete this course are eligible to receive the OSHA 30 hour general industry course completion card.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for INCT 1000 (4.5 credits) Industrial Safety and Health from Metropolitan Community College.

ATD15 INTRODUCTION TO DISTRIBUTION**11** 5 Credits

Description: Students interested in learning about the importance of distribution in manufacturing need a good overview of distributors and distributorships. Students will examine the role of distributors in bringing goods to market, adding value through distributor services, and tracking products from procurement through final sale and installation. Basic accounting principles and contract law necessary for distribution will also be introduced.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for INCT 1500 (4.5 credits) Introduction to Distribution from Metropolitan Community College.

ATD20 PRINCIPLES OF MARKETING**11** 5 Credits

Description: This course features a survey of the distributive fields, their functions and interrelationships. The course covers pricing policies, promotional activities, marketing in special fields and market analysis.

Prerequisites: Introduction to Business

Dual Enrollment Credit: This course is offered for dual enrollment credit for BSAD 1010 (4.5 credits) Principles of Marketing from Metropolitan Community College and will transfer to University of Nebraska at Omaha as Marketing 3310.

ATD25 PRINCIPLES OF MANAGEMENT**11** 5 Credits

Description: This is an introduction to the theory and practice of organizational management. Various management theories are discussed. Special attention is devoted to planning, decision making, organizing, leading, and controlling the organization.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for BSAD 2100 (4.5 credits) Principles of Management from Metropolitan Community College.

ATD30 MECHANICAL PRINT READING**12** 5 Credits

Description: This course is directed toward the development of skills required for visualizing and interpreting industrial prints and freehand technical sketching. Topics include print identification, drafting and print reading procedures, machining specifications, geometric dimensioning and tolerancing, elements of welding symbols, symbols used in fluid power diagrams and applied mathematics.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for INCT1050 (4 credits) Mechanical Print Reading from Metropolitan Community College.

ATD35 BUSINESS LOGISTICS**12** 5 Credits

Description: Business Logistics is the study of the acquisition, storage, use, packaging, transportation and distribution of materials and products. Topics covered include management of materials and physical distribution; transportation choices, regulation and rates; traffic management; product storage, warehousing, handling and packaging; inventory management; acquisition and production scheduling; order entry and processing; logistics systems design and operation; and international logistics.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for BSAD 2400 (4.5 credits) Business Logistics from Metropolitan Community College.

ATD40 PURCHASING AND MATERIALS MANAGEMENT 12 5 Credits

Description: This course acquaints the student with the theory and applications of purchasing and materials management concepts. The course content includes purchasing organization and administration, quality management, supplier relations, negotiations, legal considerations, logistics, international and governmental procurement, and strategic incentives.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for BSAD 2410 (4.5 credits) Purchasing and Materials Management from Metropolitan Community College.

ATD50 PRODUCTION & OPERATIONS MANAGEMENT 12 5 Credits

Description: Students will study the fundamentals of production and operations management used in service and manufacturing organizations. The student is introduced to the application of effective production and operations management techniques; the measurement of productivity and customer service; the planning and management of materials, manpower and capacity; and the concepts of quality and project management.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for BSAD 2420 (4.5 credits) Production and Operations Management from Metropolitan Community College.

ATD55 DISTRIBUTION AND LOGISTICS MANAGEMENT INTERNSHIP 12 10 Credits

Description: The internship provides the student with the opportunity to apply his/her knowledge, learn new techniques and get on-the-job training at an approved work site. Students will work 10-12 hours per week.

Prerequisites: Year 1 Transportation, Distribution & Logistics Courses

ATD65 RADIO FREQUENCY IDENTIFICATION 12 5 Credits

Description: This course provides the student with the background knowledge needed to install and support the growing radio frequency identification (RFID) market. Students learn to plan, install, maintain, update, and optimize RFID systems through critical thinking and problem solving with hands-on experience using RFID technology.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for ELEC 1300 (4.5 credits) Radio Frequency Identification from Metropolitan Community College.

EDUCATION ACADEMY

Earn high school and college credit while participating in the Education Academy. Jump-start your career by entering the workforce with specialized training. Teachers are retiring, and schools will need teachers nationwide.

Education Academy Course Sequence Sample			
Year One		Year Two	
<u>Semester One</u> (Terms 1 & 2)	<u>Semester Two</u> (Terms 3 & 4)	<u>Semester One</u> (Terms 1 & 2)	<u>Semester Two</u> (Terms 3 & 4)
English 11	Professional Speaking	Behavior Modification and Principles of Learning	Introduction to Communication Disorders
	Introduction to Professional Education	College Composition and Research	Education Seminar II
Child Development	World Religions	Advanced Placement [®] Psychology	Education Seminar III
Child Development Pre-Practicum	Education Seminar I	Best Practices in Education	Education Practicum

0453 ADVANCED PLACEMENT[®] PSYCHOLOGY **12** 5 Credits

Description: The purpose of the Advanced Placement[®] course in psychology is to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with the major subfields within psychology. Students will learn about the methods psychologists use in their science and practice. All AP Psychology students will have already successfully completed the introductory psychology course, showing mastery in the areas of scientific methods, learning, memory, personality, abnormal and social psychology. Completion of this course will prepare students to take the Advanced Placement[®] Psychology exam.

Prerequisites: Psychology

Dual Enrollment Credit: This course is offered for dual enrollment credit for PSYCH 1010 from University of Nebraska at Omaha (3 credits).

AED20 BEHAVIOR MODIFICATION AND PRINCIPLES OF LEARNING **12** 5 Credits

Description: This course will expose the student to the history and various theoretical approaches to the study of learning and behavior modification. The student will have opportunities to learn applied behavior modification techniques including observing and recording behavior as well as formulating and writing behavioral objectives. This course will also include an examination of motivation, attitude formation and cognitive intervention approaches.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for PSYCH 2140 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as a College of Education elective.

AED30 BEST PRACTICES IN EDUCATION **12** 5 Credits

Description: In this course, students will review the most recent research on best practices in education focusing on planning, instruction, assessment and classroom environment. Students will learn the components of an effective lesson and create and teach their own lesson using these components.

Prerequisites: None

0527 CHILD DEVELOPMENT 11 5 Credits

Description: This course will teach students what it takes to create a positive environment for children. The students will explore the impact of childcare and parenting on the first years of development through interaction with babies, toddlers, and preschoolers. The students will examine the current legislation and licensing standards to help prepare for careers in education or childcare. Child Development fulfills the Human Resources graduation requirement.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for ECED 1150 (4.5 credits) from Metropolitan Community College. Completion of this course and Child Development Practicum and will transfer to University of Nebraska at Omaha as a College of Education elective course TED 2250 (3 credits).

AED01 CHILD DEVELOPMENT PRE-PRACTICUM 11 5 Credits

Description: The course will provide an orientation to a practicum experience in early childhood education. Students will learn CPR and obtain First Aid Certification to participate in an internship in an early education classroom. The students will understand the importance of professionalism in the work place.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for ECED 1220 (1.5 credits) from Metropolitan Community College. Completion of this course and Child Development 0527 will transfer to University of Nebraska at Omaha as a College of Education elective course TED 2250.

AED50 EDUCATION PRACTICUM 12 5 Credits

Description: Students will participate in a field experience. Students will create and deliver lessons to students in an educational setting. Students will be under the supervision of both a Millard West faculty member and the classroom teacher at the practicum location.

Prerequisites: Education Seminar II

AED15 EDUCATION SEMINAR I 11 5 Credits

Description: Students will study and discuss issues that impact education today. Students will also observe and reflect on teaching practices of professionals in the field. They will use the information they gain to begin writing their own educational philosophy and belief statements.

Prerequisites: Introduction to Education

AED40 EDUCATION SEMINAR II 12 5 Credits

Description: Students will further study and discuss issues that impact education today. Students will strengthen their own philosophy and belief statements about education. Students will observe and reflect on teaching practices in a variety of educational settings.

Prerequisites: Best Practices in Education

AED45 EDUCATION SEMINAR III 12 5 Credits

Description: Students will prepare to apply for admissions to a teacher's college. Part of this preparation will include creating a portfolio of their major learnings in the Education Academy. This portfolio will include their finalized teaching philosophy and belief statements. Students will also prepare for a practicum experience in a selected area of focus.

Prerequisites: Education Seminar II

0007 ENGLISH 11 11 10 Credits**American Perspectives through Literature**

Description: Through this course, students will question how American literature reflects the identities and cultures of the United States. Students will become adept at analyzing increasingly challenging texts from a variety of genres through multi-cultural, multi-racial, women's and men's perspectives in historical and contemporary American literature. By analyzing the author's views and social context, students will delve into deeper understanding of language, literature, and the writing process. Students will study a variety of texts including short stories, novels, poetry, drama, fiction, non-fiction and visual text. This class will be assessed using a variety of methods, including, but not limited to, essays, presentations, and creative critical thinking activities.

Prerequisites: English 10 or English 10 Literacy Enrichment

Dual Enrollment Credit: This course is offered for dual enrollment credit for ENGL 1010 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as ENGL 1150 (3 credits).

AED25 INTRODUCTION TO COMMUNICATION DISORDERS 12 5 Credits

Description: This course is designed to introduce students to the fields of speech-language pathology, audiology, and education of the deaf/hearing impaired. The course is an overview of normal development of speech, language and hearing and the disorders of human communication in children and adults.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for SPED 1400 (3 credits) from University of Nebraska at Omaha.

AED10 INTRODUCTION TO PROFESSIONAL EDUCATION 11 5 Credits

Description: The course will provide an introduction to the education profession through career exploration and initial exposure to the dynamics of K-12 classroom teaching. The course will provide an overview of ethics, professionalism, pre-service preparation, societal influences, classroom practices and the governance structures which impact teachers and schools. The course has a required field experience.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for TED 1010 from University of Nebraska at Omaha (3 credits).

AED35 PROFESSIONAL SPEAKING 11 5 Credits

Description: This course is designed to instruct students how to speak effectively in public. The students will compare and contrast the characteristics of informative, persuasive and entertainment speeches, and support these speeches with credible research and creative language. Students will practice speaking in front of educational audiences such as parents, students, and colleagues. This course also satisfies the Oral Communications graduation requirement.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for SPCH 1110 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as SPCH 1110.

AED05 COLLEGE COMPOSITION AND RESEARCH 12 5 Credits

Description: This is a course designed to prepare students for independent research and writing at the collegiate level. Students will learn the proper method for organizing, researching, and writing a formal research paper. This class is suited for independent workers and motivated students. Organization skills and time management are important when working to meet deadlines for this course.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for ENGL 1020 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as ENGL1160 (3 credits).

0422 WORLD RELIGIONS 11 5 Credits

Description: This course is an introduction to the religions of the world. This course will examine and compare beliefs, philosophies of man, and thoughts about certain religions. This course will develop an appreciation of the complex history of these religions and man's place in the universe.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for RELI 1010 (3 credits) from the University of Nebraska at Omaha.

ENTREPRENEURSHIP ACADEMY

Earn high school and college credit while participating in the Entrepreneurship Academy. Jump-start your career by entering the workforce with specialized training. Explore how to launch a business and be your own boss. Learn how to be a profitable, innovative risk taker.

Entrepreneurship Academy Course Sequence Sample			
Year One		Year Two	
<u>Semester One</u> (Terms 1 & 2)	<u>Semester Two</u> (Terms 3 & 4)	<u>Semester One</u> (Terms 1 & 2)	<u>Semester Two</u> (Terms 3 & 4)
College Accounting I	College Accounting I	College Accounting II	Marketing for the Entrepreneur
Introduction to Business	Wealth Building and Personal Finance	Entrepreneurship Feasibility Study	Advanced Placement [®] Macroeconomics
Introduction to Entrepreneurship	Legal Issues for the Entrepreneur	Advanced Placement [®] Microeconomics	Entrepreneurship Seminar and Internship
English 11	English 11	Entrepreneurship Seminar and Internship	Entrepreneurship Seminar and Internship

AEN01 COLLEGE ACCOUNTING I

11 10 Credits

Description: This course teaches recording of financial transactions through manual and computerized problems. Spreadsheet applications and industry software are included. This course prepares students for college-level accounting.

Prerequisites: None

AEN15 COLLEGE ACCOUNTING II

12 5 credits

Description: This course expands a student's ability to analyze and interpret financial data. Students will broaden their understanding of assets, liabilities, and stockholders' equity accounts. Accounting II is strongly recommended for students planning college study in business fields.

Prerequisites: College Accounting I

Dual Enrollment Credit: This course is offered for dual enrollment credit for ACCT 1100, 1110, 1120 (12 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as Accounting 2010 and 2020 (6 credits).

0540 ADVANCED PLACEMENT[®] MACROECONOMICS

12 5 Credits

Description: Advanced Placement[®] Macroeconomics is a one-semester course detailing the principles and methods of understanding a mixed economic system. Prerequisite skills include the ability to read and comprehend mathematical and algebraic principles, as well as primary documents, texts and graphical analyses. Advanced Placement[®] Macroeconomics topics are highly sequential and require disciplined attendance and study habits. Economics topics include the nature of the economic problem and marginal thinking, price theory, comparing and contrasting competing economic models to explain issues of price stability, employment, and economic goals in an international and global economy. Completion of this course will prepare students to take the Advanced Placement[®] Macroeconomics exam.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for Economics 2220 at the University of Nebraska at Omaha.

0541 ADVANCED PLACEMENT[®] MICROECONOMICS 12 5 Credits

Description: Advanced Placement[®] Microeconomics is a one-semester course detailing the principles of economics that apply to individual decision makers, both consumers and producers, within the economic system. Prerequisite skills include the ability to read and comprehend mathematical and algebraic principles, as well as primary documents, texts and graphical analyses. Advanced Placement[®] Microeconomics topics are highly sequential and require disciplined attendance and study habits. Economics topics include the nature and functions of product markets, factor markets and the role of government in promoting greater efficiency and equity in the economy. Completion of this course will prepare students to take the Advanced Placement[®] Microeconomics exam.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for Economics 2200 at the University of Nebraska at Omaha.

0007 ENGLISH 11 11 10 Credits**American Perspectives through Literature**

Description: Through this course, students will question how American literature reflects the identities and cultures of the United States. Students will become adept at analyzing increasingly challenging texts from a variety of genres through multi-cultural, multi-racial, women's and men's perspectives in historical and contemporary American literature. By analyzing the author's views and social context, students will delve into deeper understanding of language, literature, and the writing process. Students will study a variety of texts including short stories, novels, poetry, drama, fiction, non-fiction and visual text. Students will be assessed using a variety of methods including, but not limited to, essays, presentations, and creative critical thinking activities.

Prerequisites: English 10 or English 10 Literacy Enrichment

Dual Enrollment Credit: This course is offered for dual enrollment credit for ENGL 1010 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as ENGL 1150 (3 credits).

AEN30 ENTREPRENEURSHIP FEASIBILITY STUDY 12 5 Credits

Description: Students will assess the current economic, social and political climate for the small business. Students will explain how demographic, technological and social changes create business opportunities. Students will assess business ideals based on the student's strengths and skills, personal, professional and financial goals. Students will test and analyze their concept through basic market research.

Prerequisites: Introduction to Entrepreneurship

Dual Enrollment Credit: This course is offered for dual enrollment credit for ENTR 2040 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as College of Business Administration elective (3 credits).

AEN45 ENTREPRENEURSHIP SEMINAR AND INTERNSHIP 12 15 Credits

Description: The student participates in a workplace readiness seminar first semester and will apply entrepreneurship principles in a business setting through an internship second semester.

Prerequisites: Completion of Year I Entrepreneurship Academy courses

Dual Enrollment Credit: This course is offered for dual enrollment credit for BSAD 2981 (4.5 credits) from Metropolitan Community College.

AEN10 INTRODUCTION TO BUSINESS 11 5 Credits

Description: This course is for students who are interested in learning the fundamentals of business and entrepreneurship. Students will learn the basics of many of the core areas that are critical in the business world. The course will cover key areas including economics, entrepreneurship, marketing, ethics and finance through a variety of learning experiences such as a stock market simulation, lectures, quizzes, and writing a business plan.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for BSAD 1500 (3 credits) from University of Nebraska at Omaha.

AEN20 INTRODUCTION TO ENTREPRENEURSHIP 11 5 Credits

Description: The student will evaluate the business skills and commitment necessary to successfully operate an entrepreneurial venture and review the challenges and rewards of entrepreneurship. The student will understand the role of entrepreneurial businesses in the United States and the impact on our national and global economy.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for ENTR 1050 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as AEN20 Introduction to Entrepreneurship (3 credits).

AEN25 LEGAL ISSUES FOR THE ENTREPRENEUR **11** 5 Credits

Description: The student will explore state and local legal issues related to business entities including sole proprietorship, general partnerships, limited partnerships, and corporations. Students will review contract law, articles of incorporation and the filing process, employment law (including FEPA, ADA, FMLA), personnel policies and procedures, the hiring process, job descriptions, and disciplinary actions.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for ENTR 2060 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as College of Business Administration elective (3 credits).

AEN40 MARKETING FOR THE ENTREPRENEUR **12** 5 Credits

Description: Students will gain insights essential for marketing their entrepreneurial venture utilizing innovative and financially responsible marketing strategies. The student will analyze marketing philosophies implemented by key successful entrepreneurs. The student will prepare a marketing plan to launch the entrepreneurial venture and implement the first two years of business operation.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for ENTR 2050 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as College of Business Administration elective (3 credits).

AEN05 WEALTH BUILDING AND PERSONAL FINANCE **11** 5 Credits

Description: This course will provide an understanding and practical application of the theories and concepts of how to analyze and direct one's financial affairs and those of his/her family. This course fulfills the Millard Public Schools Financial Literacy graduation requirement.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for FINA 1200 (4.5 credits) from Metropolitan Community College and will transfer to University of Nebraska at Omaha as FNBK 2280 (3 credits).

HEALTH SCIENCES ACADEMY

Earn high school and college credit while participating in the Health Sciences Academy. Jump-start your career by entering the workforce with specialized training. Nebraska will continue to need more health care practitioners and health care support specialists through 2018. Earn Certified Nursing Assistant and Emergency Medical Technician credentials.

Source: Nebraska Workforce Development Labor Trend Data, 2008-2018

Health Sciences Academy Course Sequence Sample			
Year One		Year Two	
<u>Semester One</u> (Terms 1 & 2)	<u>Semester Two</u> (Terms 3 & 4)	<u>Semester One</u> (Terms 1 & 2)	<u>Semester Two</u> (Terms 3 & 4)
Human Anatomy & Physiology for Health Sciences	Introduction to Medical Law & Ethics	Long Term Care/Certified Nursing Assistant	Emergency Medical Technician-Basic
	Medical Terminology II		
Medical Terminology I	Nutrition in the Life Cycle	AP Psychology	Genetics
Health Sciences Orientation Seminar: Cardiopulmonary Resuscitation and Heart Saver First Aid/AED & Foundations of Health Careers	Disease Processes	Health Sciences Internship	

0453 ADVANCED PLACEMENT[®] PSYCHOLOGY

12

5 Credits

Description: The purpose of the Advanced Placement[®] course in psychology is to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with the major subfields within psychology. Students will learn about the methods psychologists use in their science and practice. All Advanced Placement[®] Psychology students will have already successfully completed the introductory psychology course, showing mastery in the areas of scientific methods, learning, memory, personality, abnormal and social psychology. Completion of this course will prepare students to take the Advanced Placement[®] Psychology exam.

Prerequisites: Psychology

AHS01 HUMAN ANATOMY AND PHYSIOLOGY FOR HEALTH SCIENCES

11

10 Credits

Description: This survey course includes all systems of the human body emphasizing the relationship between structure and function. It is intended for certificate-seeking students in MCC programs; transfer elsewhere as anatomy/physiology credit is not assured. This course includes both lecture and lab components. This course fulfills Science elective credit.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for BIOS 1310 (5 credits) Survey of Human Anatomy and Physiology from Metropolitan Community College.

AHS05 MEDICAL TERMINOLOGY I**11**

5 Credits

Description: This course assists the student in establishing a solid foundation of medical terminology and abbreviations. Prefixes, suffixes, and word roots used in the language of medicine are introduced. Emphasis is placed on understanding the medical vocabulary as it applies to the anatomy, physiology, and pathology of the human body. The functioning of the body systems, clinical/surgical procedures, and therapies are studied. Normal, pathological, clinical and laboratory considerations are examined in order to best prepare the student for entrance into the health care professions. Emphasis is also placed on correct spelling and pronunciation.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for HIMS 1120 (4.5 credits) Medical Terminology I from Metropolitan Community College.

AHS10 MEDICAL TERMINOLOGY II**11**

5 Credits

Description: This course is a continuation of Medical Terminology I. Additional body systems, specialty medical areas, clinical procedures, laboratory tests, medical terms, and abbreviations are presented. Practical applications with case reports, operative and diagnostic tests, and laboratory and x-ray reports are studied. Upon completion, students should be able to pronounce, spell, and define a wide array of medical terms related to the human body.

Prerequisites: Medical Terminology I

Dual Enrollment Credit: This course is offered for dual enrollment credit for HIMS 1130 (4.5 credits) Medical Terminology II from Metropolitan Community College.

AHS15 HEALTH SCIENCES ORIENTATION SEMINAR**11**

5 Credits

Description: This is a block course to provide the foundation skills for the health science sequence. Students will complete the following short courses to fulfill Metropolitan Community College requirements.

Prerequisites: None

- **CARDIOPULMONARY RESUSCITATION & HEART SAVER FIRST AID/AED**

Description: The participant will learn how to recognize and respond to life-threatening emergencies such as cardiac arrest, respiratory arrest, and foreign-body airway obstruction (choking). The student will learn to recognize heart attack and stroke symptoms in adults and breathing difficulty in children. This course teaches the skills needed to respond to the emergencies identified. The participant will learn the skills of CPR for victims of all ages (including ventilation with barrier devices and bag-mask devices), use of an automated external defibrillator (AED), and relief of foreign-body airway obstruction.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for HLTH 1000 (1 credit) Cardiopulmonary Resuscitation and HLTH 1010 (1 credit) Heart Saver First Aid/AED from Metropolitan Community College.

- **FOUNDATIONS OF HEALTH CAREERS**

Description: This course is an overview of the fields of healthcare systems, career pathways, emergency management, basic concepts of biology, and related fields. Topics addressed will include implications of science and technology in society, appropriate communication styles/behaviors, employability skills, medical law and ethics, OSHA standards, fundamentals of wellness and disease prevention, first aid and understanding the role of self/others and relations within a healthcare team in a diverse society.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for HLTH 1015 (4.5 credits) Foundations of Health Careers from Metropolitan Community College.

AHS20 INTRODUCTION TO MEDICAL LAW AND ETHICS**11**

5 Credits

Description: This course gives students a foundation into the federal and state laws of the medical profession and ethical issues associated with working in a healthcare setting. HIPAA (Health Insurance Portability and Accountability Act) regulations are explored in detail. Topics include professional, social and interpersonal health care issues. Coverage also includes identification of measures to promote confidentiality as major changes in electronic health care record technology occur. Investigation of techniques to maintain office safety as well as the safety and confidentiality of patients and medical records is also included.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for HIMS 1150 (4.5 credits) Introduction to Medical Law and Ethics from Metropolitan Community College.

AHS25 NUTRITION IN THE LIFE CYCLE 11 5 Credits

Description: Nutrition represents an important health concern throughout the life cycle. This course includes human nutrition, introduction to therapeutic and modified diets, nutrition in healthcare through the life cycle and drug-nutrient interactions, nutritional assessment and analysis. This course also covers gastrointestinal, cardiovascular, respiratory and endocrine systems as related to medical nutrition therapy.

Prerequisites: Biology, Human Anatomy and Physiology

Dual Enrollment Credit: This course is offered for dual enrollment credit for HLTH 1050 (4.5 credits) Nutrition in the Life Cycle from Metropolitan Community College.

AHS30 DISEASE PROCESSES 11 5 Credits

Description: This course is an introduction to the fundamentals of human disease processes. The student gains knowledge in the study of the nature and description of disease, of etiology, signs and symptoms, diagnostic evaluation procedures, complications, treatment, management, prognosis, and prevention of disease. The coverage of diseases is organized by major body systems. Bacteriology as related to health, immunology, and infectious diseases is also explored. The student applies the knowledge learned and utilizes critical-thinking and problem-solving skills through the utilization of case studies and team activities. This course fulfills Science elective credit.

Prerequisites: None

Dual Enrollment Credit: This course is offered for dual enrollment credit for HIMS 1180 (4.5 credits) Disease Processes from Metropolitan Community College.

AHS35 LONG-TERM CARE/CERTIFIED NURSING ASSISTANT (CNA) 12 10 Credits

Description: The course is designed to meet the Nebraska Health and Human Services System training requirements for nursing assistant certification and employment in long term care facilities. The course combines classroom lecture, laboratory application and clinical experience for development of basic skills needed to care for the elderly. Course content will focus on teaching the nursing assistant to provide safe, effective, and caring services to the elderly or chronically ill patient of any age, in a long term care facility.

Prerequisites: Mantoux PPD Skin Test (Tuberculosis Test) within 12 months; Student Liability Insurance \$14.50

Dual Enrollment Credit: This course is offered for dual enrollment credit for HLTH 1200 (6.5 credits) Long Term Care/Certified Nursing Assistant from Metropolitan Community College.

AHS40 GENETICS 12 5 Credits

Description: Many of the advances taking place in biology and medicine require a good understanding of genetics. Both classical and modern genetics are discussed in this course. This course fulfills Science elective credit.

Prerequisites: Biology

Dual Enrollment Credit: This course is offered for dual enrollment credit for HLTH 2010 (4.5 credits) Genetics from Metropolitan Community College.

AHS45 EMERGENCY MEDICAL TECHNICIAN (EMT) - BASIC 12 10 Credits

Description: The Emergency Medical Technician course provides an introduction to emergency medical care. Modules of training include medical-legal, roles and responsibilities of the EMT, documentation and communication, human body, medical terminology, lifting and moving, airway management basic and advanced, patient assessment, medical and trauma, medical emergencies, treatment and use of assisted medications and IV maintenance, bleeding control and shock, trauma emergencies, use of immobilization devices, obstetrical emergencies, childbirth, pediatrics and children's emergencies, ambulance operations, hazardous materials, mass casualty and triage.

Prerequisites: CPR Certification

Dual Enrollment Credit: This course is offered for dual enrollment credit for HLTH 1101 EMT-Basic (7.5 credits) from Metropolitan Community College.

AHS50 HEALTH SCIENCES INTERNSHIP 12 10 Credits

Description: This internship provides the student the opportunity to apply his/her knowledge in a clinical setting. Students will work 10-12 hours per week.

Prerequisites: Concurrently enrolled in AHS 35 Long-Term Care/Certified Nursing Assistant (CNA) or AHS45 Emergency Medical Technical (EMT)-Basic

ADVANCED PLACEMENT® COURSES

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Page Number	Horizon High School	North High School	South High School	West High School
ADVANCED PLACEMENT®											
0047 A/B	AP English Language & Composition	10	11-12		0004-0007	•	47		•	•	•
0048 A/B	AP English Literature & Composition	10	12		0004-0007	•	47		•	•	•
0119 A/B	AP German Language	10	12		0118		82		•	•	•
0139 A/B	AP French Language	10	12		0137		84		•	•	•
0159 A/B	AP Spanish Language & Culture	10	12		0158		85		•	•	•
0170 A/B	AP Japanese Language & Culture	10	12		0168		87		•		
0172 A/B	AP Latin	10	11-12		0164		86		•		
0243 A/B	AP Statistics	10	10-12		0231	•	53		•	•	•
0252 A/B	AP Calculus AB	10	11-12		0238	•	54		•	•	•
0253 A/B	AP Calculus BC	10	11-12		0239	•	54		•	•	•
0257 A/B	AP Computer Science A	10	10-12		0258		30		•	•	•
0347	AP Environmental Science	5	11-12		0327	•	67		•	•	•
0370 A/B	AP Chemistry	10	11-12		0231 †	•	67		•	•	•
0377 A/B	AP Biology	10	11-12		0327, 0334	•	68		•	•	•
0383	AP Physics 1: Algebra-Based	10	11-12		0352	•	68		•	•	•
0415	AP United States Government & Politics	5	11-12				72	•	•	•	•
0424	AP World History	10	10-12				72	•	•	•	•
0450 A/B	AP United States History	10	11-12			•	73		•	•	•
0451 A/B	AP European History	10	11-12			•	73		•	•	•
0453	AP Psychology	5	11-12	HR	0432	•	73	•	•	•	•
0456 A/B	AP Human Geography	10	10-12		0412 †	•	74		•	•	•
0457	AP Comparative Government and Politics	5	11-12			•	74		•	•	•
0540	AP Macroeconomics	5	11-12				28		•	•	•
0541	AP Microeconomics	5	11-12				28		•	•	•
0799	AP Music Theory	5	11-12	F	0798		58		•	•	•

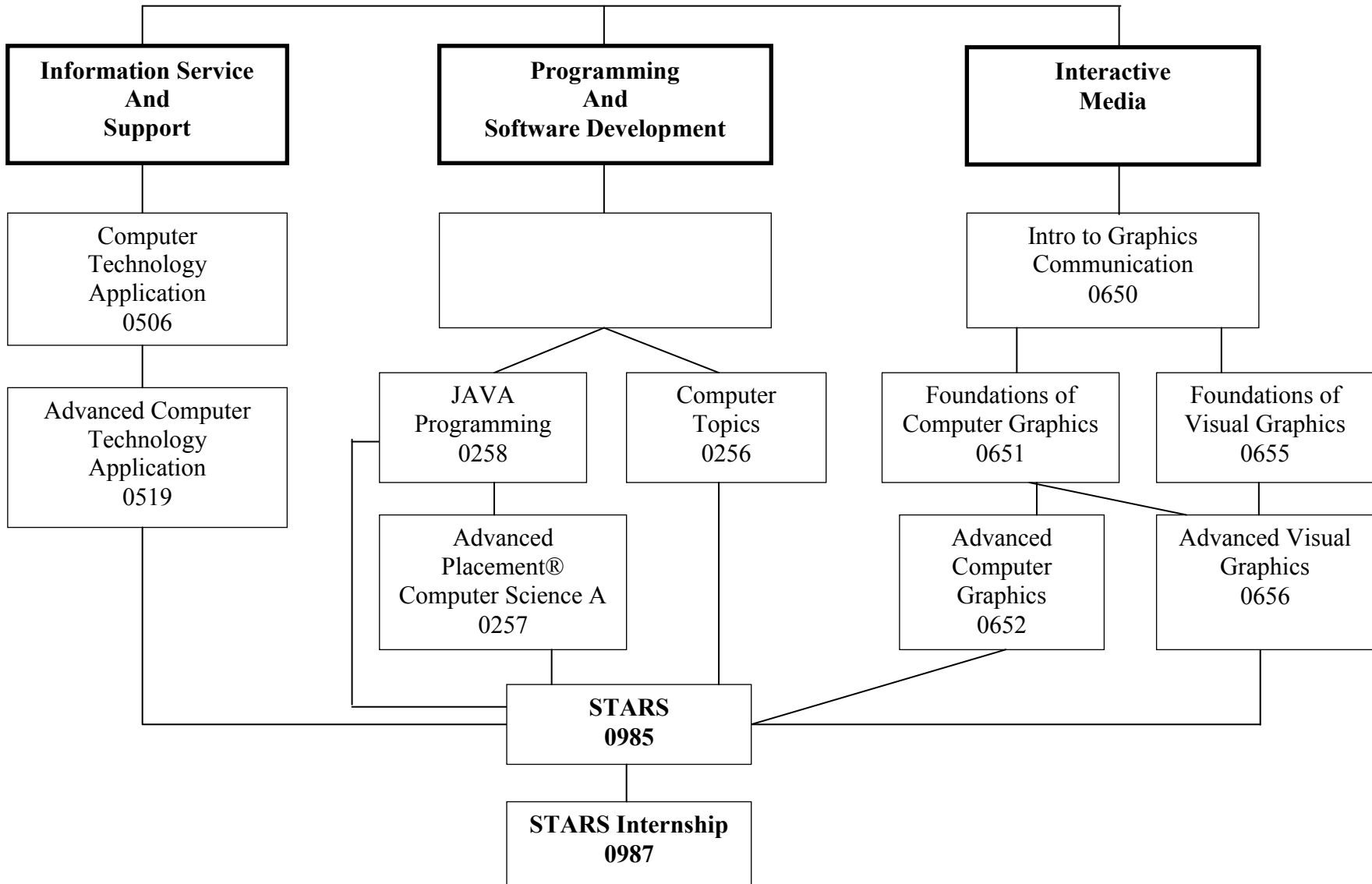
HR = Human Resources F = Fine and Performing Arts

† = See course descriptions for additional requirements.

The College Board Advanced Placement® Program enables students to pursue college level studies while still in high school. Millard Public School District currently offers twenty-five courses. Based on student performance on rigorous AP exams, students can earn credit, advanced placement, or both for college.

Individual course descriptions are included within each department: see page number listed.

**INFORMATION TECHNOLOGY MINI MAGNET
(OFFERED AT MILLARD SOUTH ONLY)**



INFORMATION TECHNOLOGY MINI-MAGNET PROGRAM

Millard South Only

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
INFORMATION TECHNOLOGY (IT) MINI-MAGNET PROGRAM										
0255	Introduction to Computer Science	5	9-12						•	
0256	Computer Topics	5	9-12						•	
0258	Java Programming	5	9-12						•	
0257 A/B	Advanced Placement® Computer Science A	10	9-12						•	
0506	Computer Technology Applications	5	9-12						•	
0519	Advanced Computer Technology Applications	5	9-12		0506				•	
0650	Introduction to Graphics Communication	5	9-12	T					•	
0651	Foundations of Computer Graphics	10	10-12		0650				•	
0652 A/B	Advanced Computer Graphics	10	11-12		0651				•	
0655	Foundations of Visual Graphics	5	10-12		0650				•	
0656	Advanced Visual Graphics	5	10-12		0655				•	
0985 A/B	STARS	10	11-12		†				•	
0987 A/B	STARS Internship	10	11-12		0985 †				•	

T = Technology

† = See course descriptions for additional requirements.

INFORMATION TECHNOLOGY MINI-MAGNET PROGRAM

0650 INTRODUCTION TO GRAPHICS COMMUNICATIONS 9-12 5 Credits

Description: An exploratory-level class designed to introduce the student to the tools and techniques used in Graphic Communications. Activities provide the basis necessary for computer and visual graphic classes, including desktop publishing, computer graphics, and visual arts (digital photography and videography) exercises. Students may be asked to donate money or materials to defray costs of consumable materials or to provide personal equipment. Meets the technology requirement for graduation.

Prerequisites: None

0651 FOUNDATIONS OF COMPUTER GRAPHICS 10-12 10 Credits

Description: An interactive media class designed to enhance the student's use of tools and techniques used in the computer graphics industry. Processes include advanced computer navigation, designing graphic communications products, image generation and assembly, computer desktop publishing and web page design. Students may be asked to donate money or materials to defray costs of consumable materials.

Prerequisites: Introduction to Graphics Communication

0652 ADVANCED COMPUTER GRAPHICS 11-12 10 Credits

Description: An advanced, interactive media class designed to enhance the student's use of tools and techniques used in the computer graphics industry. Processes include advanced computer navigation, designing graphic communication products, image generation and assembly, computer desktop publishing, video production, and advanced web page design. Students may be asked to donate money or materials to defray costs of consumable materials.

Prerequisites: Foundations of Computer Graphics

0655 FOUNDATIONS OF VISUAL GRAPHICS**10-12**

5 Credits

Description: A class designed to enhance the student's use of the tools and techniques used in visual graphics production. Processes include advanced computer navigation, digital photography, and videography. Projects will include subject photography, photo editing, and video segments. Students may be asked to donate money or materials to defray costs of consumable materials.

Prerequisites: Introduction to Graphics Communication

0656 ADVANCED VISUAL GRAPHICS**10-12**

5 Credits

Description: An advanced class designed to enhance the student's use of tools and techniques used in visual graphics. Activities include advanced computer graphics navigation, advanced digital photography and videography. Projects include portraits, high contrast, still life, and video production. Students may be asked to donate money or materials to defray costs of consumable materials.

Prerequisites: Foundations of Computer Graphics

0985 STARS**11-12**

10 Credits

Description: This class provides students an opportunity to enhance and expand their technology skills through work-based learning activities in a simulated business environment. Students will receive business-related instruction to include the following: communication, technology, and work related skills. Students will also participate in job shadowing opportunities during classroom time and will be able to enroll in STARS Internship concurrently.

Prerequisites: Completion of the Technology Mini-Magnet strands and completed application

0987 STARS INTERNSHIP**11-12**

10 Credits

Description: This cooperative work program provides an opportunity for students to prepare for employment through on-the-job training in cooperating local businesses. STARS Internship is designed to provide students with computer-related work experience in conjunction with STARS class. Through part-time positions, students can enhance skills in technology. Students performing satisfactorily receive school credit and are paid an hourly wage by the business. Students may obtain part-time jobs through the teacher or they may seek one on their own subject to approval.

Prerequisites: The student must be concurrently enrolled in the STARS class.

**INTERNATIONAL BACCALAUREATE
MIDDLE YEARS PROGRAMME
Millard North High School only**



Middle Years Programme (IB-MYP)

The International Baccalaureate Organization's Middle Years Programme, offered by the IBO since 1994, provides a framework of academic challenge and life skills for students aged 11-16 years. The Areas of Interaction are the interdisciplinary approach for delivering the IB-MYP to connect the eight subject areas. These themes include: Approaches to Learning, Environment, Human Ingenuity, Health and Social Education, and Community and Service. The program is devised to help students develop the knowledge, attitude and skills to participate actively and responsibly in a changing and increasingly interrelated world. It includes problem solving and analysis which leads to critical thinking. The MYP is designed to teach students to become independent learners who can recognize relationships between school subjects and the world outside.

The program aims to enable students to:

- build upon their spirit of discovery to develop an understanding and enjoyment of the process of learning, independently and in cooperation with others
- acquire knowledge and understanding and prepare for further learning
- recognize the extent to which knowledge is interrelated
- learn to communicate effectively in a variety of ways
- develop a sense of personal and cultural identity and a respect for themselves and for others
- acquire insights into local and global concerns affecting health, the community and the environment, and develop a sense of individual and collective responsibility and citizenship.

This program requires enrollment at Millard North High School. It is a two-year program in which students must enter at the 9th grade level and continue through the 10th grade. It is not necessary for a student to have participated at the middle school level. The MYP is not a prerequisite to the Diploma Programme. This program is one of several paths to the IB Diploma Programme but neither guarantees entrance nor success in the Diploma Programme.

Students must sign up for the IB Middle Years Programme during registration. For further information about the IB Middle Years Programme contact Ms. Amber Ripa, IB-MYP Coordinator at (402) 715-1226.

The requirements for successful completion of the IB-MYP at Millard North High School include:

- Enrollment in and successful completion of at least six out of the eight MYP subject areas during both the ninth and tenth grade.
 - Subject areas include: Language A, Language B, Humanities, Science, Mathematics, Arts, Technology, Physical Education
- Completion of 20 hours of service and reflection during both the ninth and tenth grade.
- Creation and presentation of a Personal Project during the tenth grade.

INTERNATIONAL BACCALAUREATE MIDDLE YEARS PROGRAMME

Offered at Millard North Only

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Page Number
INTERNATIONAL BACCALAUREATE MIDDLE YEARS PROGRAMME							
0001 A/B	English 9	10	9			•	44
0002 A/B	English 10	10	10			•	44
0003 A/B	Honors English 9	10	9			•	44
0004 A/B	Honors English 10	10	10		0003	•	44
0014	Intro to Photojournalism	5	9-12				45
0021 A/B	Forensics	10	9-12	OC			45
0059 A/B	English 9 Literacy Enrichment	10	9				47
0060 A/B	English 10 Literacy Enrichment	10	10				47
0064	Intro to Journalism	5	9-12	F			48
0112 A/B	German I	10	9-12				82
0113 A/B	German II	10	9-12		0112		82
0114 A/B	Honors German II	10	9-12		0112		82
0115 A/B	Honors German III	10	10-12		0113		82
0132 A/B	French I	10	9-12				83
0133 A/B	French II	10	9-12		0132		83
0134 A/B	Honors French II	10	9-12		0132		83
0136 A/B	Honors French III	10	10-12		0134		83
0152 A/B	Spanish I	10	9-12				84
0153 A/B	Spanish II	10	9-12		0152		84
0154 A/B	Honors Spanish II	10	9-12		0152		84
0156 A/B	Honors Spanish III	10	10-12		0154		84
0162 A/B	Latin I	10	9-12				86
0163 A/B	Latin II	10	10-12		0162		86
0203 A/B	Alg I: Foundations 1	10	9-10				51
0204 A/B	Alg I/Geo: Foundations 2	10	9-11				52
0211 A/B	Algebra I	10	9-12			•	52
0220 A/B	Geometry	10	9-12		0211	•	52
0221 A/B	Honors Geometry	10	9-12		0211	•	52
0231 A/B	Algebra II	10	9-12		0220	•	52
0233 A/B	Honors Algebra II	10	9-12		0221	•	52
0238 A/B	Precalculus	10	10-12		0231	•	53
0239 A/B	Honors Precalculus	10	10-12		0233	•	53
0506	Computer Technology Applications	5	9-12	T			27
0321 A/B	Introduction to IB Chemistry & IB Physics	10	10		0327	•	65
0327 A/B	Biology	10	9-12			•	66
0328	Physical Science: Chemistry	5	10-11			•	66
0329	Physical Science: Physics	5	10-11			•	66
0334 A/B	Chemistry	10	10-12		0211	•	66
0352 A/B	Physics	10	10-12			•	66
0456	AP Human Geography	10	9-12			•	74
0408	World Geography - Class of 2018 and Beyond	5	9			•	71
0412	World Geography - Classes of 2015 - 2017	10	10-12			•	71
0662	Introduction to Engineering Design I	5	9-12				39
0705	Art Foundations	5	9-12	F			23
0706 A/B	Introduction to IB Visual Arts	10	10-11	F	0705		23
0720	Drawing	5	10-12	F	0705		23
0722	Painting	5	10-12	F	0705		23
0740	Color and Design	5	9-12	F			22
0732	Marching Band	5	9-12	F			56
0733	Concert Band	5	9-12	F			56
0734	Symphonic Band	5	9-12	F			57
0735	Wind Ensemble	5	9-12	F			57
0736	Philharmonic Orchestra	10	9	F			57
0737	Symphony Orchestra	10	10-12	F			57
0756	Voce	10	9-12	F			57
0757	Cantori	10	9-12	F			57
0758	Singers	10	9-12	F			57
0746	Contemporary Ensemble	10	9-12	F			58
0747	Music Connections	5	9-12	F			58
0800	Sports Skills and Fitness	5	9-10				60
0801	Cross Training I	5	9-12				61
0808	Introduction to Aquatics	5	9-12				62
0810	Fitness Swimming	5	9-12				63

F = Fine and Performing Arts

T = Technology

OC = Oral Communications

IB Middle Years Programme Course Completion Sequence

- Students must be registered in **at least six** MYP courses **each year** in order to be eligible for an IB-MYP Certificate.
- By the conclusion of the sophomore year, students must have taken a class from each of the eight subject areas.
- In order to ensure all requirements are met, it is recommended that students follow the suggested sequence below.

9 th Grade Classes		10 th Grade Classes	
Subject Area 1: Language A		Subject Area 1: Language A	
English 9 English 9 Literacy Enrichment	Honors English 9	English 10 English 10 Literacy Enrichment	Honors English 10
Subject Area 2: Language B		Subject Area 2: Language B	
Spanish I Spanish II German I German II French I French II Latin I	Honors Spanish II Honors German II Honors French II	Spanish II Spanish III German II German III French II French III Latin II	Honors Spanish III Honors German III Honors French III
Subject Area 3: Mathematics		Subject Area 3: Mathematics	
Algebra I: Foundations I Algebra I Geometry Algebra II Precalculus	Honors Geometry Honors Algebra II	Algebra/Geometry: Foundations II Algebra I Geometry Algebra II Precalculus	Honors Geometry Honors Algebra II Honors Precalculus
Subject Area 4: Science		Subject Area 4: Science	
Chemistry	Biology Physics	Chemistry or Physical Science: Chemistry	Physics or Physical Science: Physics Intro to IB Chemistry & IB Physics
Subject Area 5: Humanities		Subject Area 5: Humanities	
American History		World Geography	Everyday Living
Sub. Area 6: Physical Education	Elective	Sub. Area 6: Physical Education	Subject Area 7: Technology
Sports Skills & Fitness Cross Training I Introduction to Aquatics	Additional PE, or Personal Finance, or Oral Communications, or Other Elective	Sports Skills & Fitness Cross Training II Introduction to Aquatics Fitness Swimming	Computer Tech Applications Introduction to Engineering Design I <i>Intro to Journalism*</i> <i>Intro to Photojournalism*</i> <i>*Courses will meet the IB-MYP requirements for the designated subject area but will not meet the Millard Public Schools graduation requirements for Technology.</i>
OPEN Elective	OPEN Elective	Subject Area 8: Arts	OPEN Elective
		Art Foundations (Semester) Color and Design (Semester) Drawing (Art Found. Req) (Semester) Painting (Drawing Req) (Semester) Music Connections Contemporary Ensemble Voce (Semester) Intro IB Visual (Art Found Req) (YR) Orchestra (YR) Cantori (YR) Singers (YR) Symphonic /Marching Band (YR) Forensics (YR)	
Additional Program Requirements			
9th Grade Community and Service		10th Grade Community and Service	
20 Hours – Verification and PLP reflection should be submitted to Ms. Ripa by the end of the year. <i>10 Hours may be completed through participation in an Activity at MNHS</i>		20 Hours – Verification and PLP reflection should be submitted to Personal Project Supervisors by May 1 st <i>10 Hours may be completed through participation in an Activity at MNHS</i>	
IB-MYP Meetings		Personal Project	
Meetings quarterly with the Program Coordinator to discuss areas of interaction, assessments, and introduction to the Personal Project		Monthly Meetings with Supervisor and completion of a product and a written reflection of the process.	

INTERNATIONAL BACCALAUREATE PROGRAM

Diploma Programme (IB-DP)

The International Baccalaureate (IB) Diploma Programme, created in 1968, is a demanding pre-university course of study that leads to examinations and is designed for highly motivated secondary school students aged 16 to 19 in the 11th and 12th grades. The program has earned a reputation for rigorous assessment, giving IB diploma holders access to the world's leading universities. The International Baccalaureate Organization has shown that students are well prepared for university work.

The Diploma Programme's grading system is criterion referenced: each student's performance is measured against well-defined levels of achievement consistent from one examination session to the next. Grades reflect attainment of knowledge and skills relative to set standards that are applied equally to all schools.

The program is a comprehensive two-year international curriculum that generally allows students to fulfill the requirements of their national or state education systems. The Diploma Programme incorporates the best elements of national systems without being based on any one. Internationally mobile students are able to transfer from one IB school to another while students who remain closer to home benefit from a highly respected international curriculum.

The program was born of efforts to establish a common curriculum and university entry credential for students moving from one country to another. International educators were motivated by practical considerations but also by an idealistic vision: students should share an academic experience that would emphasize critical thinking, intercultural understanding and exposure to a variety of points of view.

Today there are equal numbers of students from international schools and state or national systems. The idealism has remained unchanged, however. The IB's goal is to provide students with the values and opportunities that will enable them to develop sound judgment, make wise choices, and respect others in the global community. The Diploma Programme equips students with the skills and attitudes necessary for success in higher education and employment.

The six academic subjects are studied concurrently; students are required to study both the humanities and the sciences. Diploma candidates must select one subject from each of the six groups. At least three but not more than four are taken at higher level (HL), while the others are standard level (SL); HL courses span two years of study, while SL courses represent one year. Students are thus able to explore some subjects in depth and others more broadly. The science-oriented student is challenged to learn a foreign language and the natural linguist becomes familiar with laboratory procedures. The subjects are continually reviewed and revised collaboratively by IB teachers to meet contemporary needs.

The IB-DP curriculum at Millard North High School consists of six subject groups:

Group 1	Language A1	English HL (best language)
Group 2	Language B	(second language) French B SL, German B SL, Latin SL, Spanish B SL
Group 3	Individuals and Societies	20th Century World History Topics SL/HL I, History of the Americas HL II, Psychology SL
Group 4	Experimental Sciences	Biology SL/HL, Chemistry HL, Physics SL/HL
Group 5	Mathematics	Math Studies SL, Mathematics SL/HL
Group 6	Electives	Latin SL, Music SL, Psychology SL, Visual Arts SL/HL, Film SL/HL, or a second science from Group 4

HL = Higher Level
SL = Standard Level

**International Baccalaureate Organization, February 2000: Reprinted by permission from the IBO 2002.*

Theory of Knowledge (TOK): TOK is an interdisciplinary requirement intended to stimulate critical reflection on knowledge and experience gained inside and outside the classroom. The course challenges students to question the bases of knowledge, to be aware of subjective and ideological biases, and to develop the ability to analyze evidence. TOK is a key element in encouraging students to appreciate other cultural perspectives. The course is unique to the International Baccalaureate, which recommends at least 100 hours of teaching time spanning the program's two years. Diploma candidates are encouraged to reflect on all aspects of their work throughout the program. They examine the grounds for the moral, political, and aesthetic judgments that individuals must make in their daily lives.

Creativity, Action, Service (CAS): The IB's goal is to educate the whole person, to help students become responsible, compassionate citizens. The CAS requirement of 150 hours encourages students to share their energy and special talents with others; students may, for example, participate in theatre or musical productions, sports and community service activities. Students should, through these activities, develop greater awareness of themselves and concern for others, and the ability to work cooperatively with other people.

Creativity is interpreted broadly. It includes a wide range of arts activities but can also be defined as the creativity students show in designing and implementing service projects. Action can include not only participation in individual and team sports but also taking part in expeditions and in local or international projects. Service encompasses a host of community and social service activities, such as helping children with special needs, visiting hospitals, and working with refugees or homeless people.

Extended Essay (4,000 words): Each student has the opportunity to investigate a topic of special interest. The research-based essay requirement acquaints diploma candidates with the kind of independent research and writing skills expected by universities. The IB recommends that a student devote a total of about 40 hours of private study and writing time to the essay, which may be written in English, French, or Spanish. The essay permits students to deepen their programs of study, for example by selecting a topic in one of their higher level (HL) courses; they might add breadth to their academic experience by electing to write in a subject not included in their program choices.

Assessment and Award of Diploma: Classroom teachers and IB DP examiners work in partnership to ensure that students have ample opportunity to demonstrate what they have learned. Responsibility for all academic judgments about the quality of candidates' work rests with some 4,000 IB teachers/examiners around the world, led by chief examiners with international authority in their fields. Over 100,000 students annually are assessed by the IBO. Each year approximately 80% of candidates who attempt the diploma succeed in earning it worldwide.

All IB Diploma candidates are required to test in one subject from each of the six groups. At least three and not more than four of the six subjects are taken at the Higher Level, the others at Standard Level. Each examined subject is graded on a scale of 1 (minimum) to 7 (maximum). The award of the Diploma requires a minimum total of 24 points and the satisfactory completion of three additional core requirements: the **Extended Essay**, the courses entitled **Theory of Knowledge (TOK)**, and **CAS**. Up to 3 additional Diploma Points may be awarded for an Extended Essay or Theory of Knowledge essay above the minimum acceptable passing grade. A final, official IB transcript will be sent by the International Baccalaureate following the grade awarding and upon the request of the student. Results are available in July for May session candidates. Students also must satisfy the Millard School District graduation requirements to receive the Millard North High School diploma.

Students wanting to pursue the IB Diploma Programme are encouraged to begin the study of a world language in seventh grade. It is also preferable to have completed Algebra and/or Geometry by the end of eighth grade. Where there is no comparable AP course, students not in the Diploma Programme may register for unique IB DP courses: IB Film, TOK I and II, 20th Century World History Topics, and Visual Arts. External IB examination would not be permitted for such students.

Meetings for interested parents and students are held in January. Applications are due by mid-February of the student's 8th grade year. For further information about the IB Diploma Programme, contact Mr. Bill Daughtridge, International Baccalaureate Diploma Coordinator at (402) 715-1363.

**International Baccalaureate Organization, February 2000: Reprinted by permission from the IBO 2002.*

INTERNATIONAL BACCALAUREATE DIPLOMA PROGRAMME

Offered at Millard North only

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	*Page Number
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <i>HL = Higher Level</i> <i>SL = Standard Level</i> </div>							
INTERNATIONAL BACCALAUREATE DIPLOMA PROGRAMME							
0016 A/B	IB English HL I	10	11		0003, 0004	•	45
0017 A/B	IB English HL II	10	12		0016 †	•	45
0120 A/B	IB German B SL	10	12		0118		83
0140 A/B	IB French B SL	10	12		0138		84
0160 A/B	IB Spanish B SL	10	12		0158		85
0161 A/B	IB Latin SL	10	12		0164		85
0245 A/B	IB Mathematics HL I	10	11		0239	•	53
0246 A/B	IB Mathematics HL II	10	12		0245	•	53
0247 A/B	IB Mathematical Studies SL	10	11-12		0233	•	53
0248 A/B	IB Mathematics SL	10	11-12		0231	•	53
0371 A/B	IB Chemistry HL I	10	11			•	67
0372 A/B	IB Chemistry HL II	10	12			•	67
0375 A/B	IB Biology SL	10	11-12			•	67
0376 A/B	IB Biology HL I	10	11			•	68
0378 A/B	IB Biology HL II	10	12			•	68
0380 A/B	IB Physics SL	10	11-12		0321 †	•	68
0381 A/B	IB Physics HL I	10	11			•	68
0382 A/B	IB Physics HL II	10	12			•	68
0418 A/B	IB 20 th Century World History Topics SL/HL	10	11-12			•	72
0433 A/B	IB Psychology SL	10	11-12			•	73
0455 A/B	IB History of the Americas HL II	10	12		0418	•	74
0727 A/B	IB Visual Arts SL	10	11-12		0706		24
0728 A/B	IB Visual Arts HL I	10	11	F	0706		24
0729 A/B	IB Visual Arts HL II	10	12		0728		24
0767 A/B	IB Music SL Band	10	11-12	F			58
0768 A/B	IB Music SL Chorus	10	11-12	F			58
0769 A/B	IB Music SL Orchestra	10	11-12	F			58
0850 A	IB Theory of Knowledge I	5	11	HR			118
0851 A	IB Theory of Knowledge II	5	12	HR			118
0073 A/B	IB Film SL	10	11-12				49
0074 A/B	IB Film HL I	10	11				49
0075 A/B	IB Film HL II	10	12		0074		49

HR = Human Resources

F = Fine and Performing Arts

† = See course descriptions for additional requirements.

*Course descriptions are included within each department description: see page listed above.

0850 IB THEORY OF KNOWLEDGE I**11 North only 5 Credits**

Description: The Theory of Knowledge course is a required component of all International Baccalaureate Programme diploma candidates and is an elective course for students not working toward an IB diploma. The course may be seen as a matrix in which the distinct forms of knowledge specific to the various subject areas can be critically evaluated, compared and contrasted, and, to an appropriate degree, integrated. The Theory of Knowledge course is intended to encourage students to develop a critical awareness of what they and others know through analyzing concepts, arguments and the basis of value judgments. The course is taught as a two-year sequence beginning in the junior year. TOK I will satisfy the 5 credit Human Resources requirement in 11th grade.

0851 IB THEORY OF KNOWLEDGE II**12 North only 5 Credits**

Description: This course is the second year of a required component of the International Baccalaureate Programme. It is a continuation and expansion of the TOK curriculum taught in the 11th grade. The course includes an oral project as the internal IB assessment and culminates with the TOK Essay as the external assessment. TOK II is five credits of electives in 12th grade.

Prerequisites: IB Theory of Knowledge I

Millard North High School

IB Exams Offered and Course Completion Sequence

PROJECTED IB DP EXAM	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Group 1 - Language A1				
English HL - Literature	Honors English 9	Honors English 10	IB English HL I	IB English HL II
Group 2 - Language B				
French SL	Honors French II	Honors French III	Honors French IV	IB/AP French SL
German SL	Honors German II	Honors German III	Honors German IV	IB/AP German SL
Latin SL	Latin I	Latin II	Latin III	IB/AP Latin SL
Spanish SL	Honors Spanish II	Honors Spanish III	Honors Spanish IV	IB Spanish SL
Group 3 - Individuals and Society				
20 th Century World History Topics SL	World Geography or AP Human Geography	World History or AP World History	IB 20 th Century World History Topics SL/HL I	U.S. History or AP U.S. History and U.S. Government & Economics or AP U.S. Government & Politics
History of the Americas HL	World Geography or AP Human Geography	World History or AP World History	IB 20 th Century World History Topics SL/HL I	IB History of Americas HL II and U.S. Government & Economics or AP U.S. Government & Politics
Psychology SL	World Geography or AP Human Geography	World History or AP World History	IB Psychology SL	U.S. History or AP U.S. History and U.S. Government & Economics or AP U.S. Government & Politics
Group 4 - Experimental Sciences				
Biology SL	Biology	Chemistry Physical Science: Chemistry	Physics Physical Science: Physics	IB Biology SL
	Biology	Introduction to IB Chemistry & IB Physics	IB Biology SL/HL I	Science Elective
	Biology	Introduction to IB Chemistry & IB Physics	Science Elective	IB Biology SL
Biology HL	Chemistry Physical Science: Chemistry	Physics Physical Science: Physics	IB Biology SL/HL I	IB Biology HL II
Chemistry HL	Biology and Chemistry	Physics	IB/AP Chemistry HL I	IB Chemistry HL II
	Biology	Introduction to IB Chemistry & IB Physics	IB/AP Chemistry HL I	IB Chemistry HL II

Preferred Sequences in bold

Millard North High School
IB Exams Offered and Course Completion Sequence

Group 4 - Experimental Science (cont.)	Grade 9	Grade 10	Grade 11	Grade 12
Physics SL	Biology	Chemistry	Physics	IB Physics SL/HL I
	Biology	Introduction to IB Chemistry & IB Physics	IB Physics SL/HL I	Science Elective
Physics HL	Biology and Chemistry	Physics	IB Physics SL/HL I	IB Physics HL II
	Biology	Introduction to IB Chemistry & IB Physics	IB Physics HL I	IB Physics HL II
Group 5 - Mathematics				
Math Studies SL	Geometry Algebra I Geometry	Algebra II Geometry Algebra II	IB Math Studies SL Algebra II Precalculus	Elective IB Math Studies SL IB Math Studies SL
Mathematics SL	Honors Algebra II Honors Geometry	Honors Precalculus Honors Algebra II	IB Mathematics SL Honors Pre-calculus	Elective IB Mathematics SL
Mathematics HL	Honors Algebra II	Honors Precalculus	IB Mathematics HL I	IB Mathematics HL II
Group 6 – Arts & Electives				
Visual Arts SL Visual Arts HL	Art Foundations/Elective Art Foundations/Elective	Intro to IB Visual Arts Intro to IB Visual Arts	IB Visual Arts SL IB Visual Arts HL I	Elective IB Visual Arts HL II
Film SL			IB Film SL/HL I	IB Elective
Film HL			IB Film SL/HL I	IB Film HL II
Music SL	Any Band, any Orchestra, any Vocal Music	Any Band, any Orchestra, any Vocal Music	IB Music SL with any Band, any Orchestra, any Vocal Music (one class period)	Any Band, Any Orchestra, any Vocal Music or Elective
Latin SL Psychology SL A second science from Group 4 (SL or HL)	Latin I	Latin II	Latin III IB Psychology SL IB Biology SL/HL I IB Physics SL, Chemistry HL I	IB Latin SL Elective IB Biology HL II IB Chemistry HL II or IB Physics HL II
IB DP Core Requirements				
Theory of Knowledge			Elective (1 st semester) IB TOK (2 nd semester)	IB TOK (1 st semester) US Govt. & Econ. (2 nd semester) or AP U.S. Government & Politics
Extended Essay (not a course)			Extended Essay	Complete Extended Essay (2 nd semester)
CAS (not a course)			Begin 150 CAS hours	Complete 150 CAS hours

Preferred Sequences in bold

OTHER OPPORTUNITIES

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
OTHER PROGRAMS										
---	ELO Reteaching Courses	5					•	•	•	•
---	Independent Study Courses	5 or 10						•	•	•

ESSENTIAL LEARNER OUTCOME (ELO) RETEACHING COURSES

5 Credits

Description: Elective review courses are available for students who have not met cut scores in Essential Learner Outcome Assessments in Math, Science or Social Studies. Students will acquire knowledge and skills in areas of deficiency as indicated by the Individualized Learning Plan (ILP), develop reading strategies that apply to the respective discipline and apply test-taking strategies to the respective discipline.

Prerequisites: Recommendation by ELO assessment administrator and two unsuccessful attempts to meet the cut score.

INDEPENDENT STUDY COURSES

5 or 10 Credits

Description: Students will usually be required to meet with a coordinating independent study teacher for a block of time on a daily basis. Students must complete a minimum of 80 hours contact time to earn 5 credits and 160 contact hours for 10 credits. Independent studies can only be taken for course work that exceeds the sequence of course offerings and other elective courses within the discipline and/or Diploma Path. Independent studies count toward elective credit only.

Teachers work with students on independent studies voluntarily as an extra part of their workload. The student and teacher must mutually agree upon the requirements and expectations for granting of credit. The student and teacher must create a contract that they both sign including the meeting times, learning expectations and outcomes. This contract should be presented to and approved by the Assistant Principal of Curriculum and Instruction. Once this contract has been approved, the student should register for the independent study with the building registrar. No more than 10 credits can be earned through Independent Study.

TRANSFER CREDIT COURSES for Students Currently Enrolled

Description: Millard Public Schools high school students may earn transfer credit from other institutions as defined in Board of Education Rule 6320.4. Transfer credits are defined as any credit not earned at a Millard Public Schools high school. Millard Public Schools reserves the sole right to grant credit for work completed at or through other institutions. Courses must be pre-approved. Students must complete a *Millard Public Schools Transfer Credit Application* and submit to their high school registrar for consideration.

ACADEMIES AT METROPOLITAN COMMUNITY COLLEGE

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
ACADEMIES AT METROPOLITAN COMMUNITY COLLEGE										
0835 A/B/C/D	Theatre Technology Apprenticeship-Year 1	20	11-12							
0835 A/B/C/D	Theatre Technology Apprenticeship-Year 2	20	11-12							
0837 A/B/C/D	Auto Collision Technology-Year 1	10	11-12							
0837 A/B/C/D	Auto Collision Technology-Year 2	10	11-12							
0838 A/B/C/D	Automotive Technology-Year 1	10	11-12							
0838 A/B/C/D	Automotive Technology-Year 2	10	11-12							
0842 A/B/C/D	Criminal Justice	10	11-12							
0843 A/B/C/D	Electrical Technology-Year 1	15	11-12							
0843 A/B/C/D	Electrical Technology-Year 2	10	11-12							
0845 A/B/C/D	Diesel Technology	10	11-12							
0845 A/B/C/D	Diesel Technology-Year 2	10	11-12							
0852 A/B/C/D	Welding Technology I-Year 1	10	11-12							
0853 A/B/C/D	Welding Technology-Year 2	10	11-12							
0854 A/B/C/D	Digital Cinema/Filmmaking	10	11-12							

These academies are located at a Metropolitan Community College campus. Application is open to all Millard students.

These academies are available to all Millard high school students and are located at a Metropolitan Community College campus.

METROPOLITAN COMMUNITY COLLEGE ACADEMIES

DUAL CREDIT

Students may earn college credit by completing a Metropolitan Community College Academy. Students who meet the following conditions are eligible to participate in an academy:

- Be a high school junior or senior
- Be 16 years old
- Have transportation to and from classes and internship/apprenticeship site
- Complete an application and be selected to participate (See counselor for application)
- Pay MCC tuition - current tuition is one half the MCC full time student rate

METROPOLITAN COMMUNITY COLLEGE COURSES

0835 THEATRE TECHNOLOGY APPRENTICESHIP PROGRAM-Year 1 **11-12** 20 Credits

0835 THEATRE TECHNOLOGY APPRENTICESHIP PROGRAM-Year 2 **11-12** 20 Credits

Description: This program is provided through a collaborative agreement with the Omaha Community Playhouse and Metropolitan Community College. Student stage technician apprentices learn to perform a variety of tasks required for preparing stages for theatrical, musical and other entertainment events in arenas, stadium, theaters, studios and amusement parks. Training encompasses about 4500 hours of instruction and on-the-job experiences. It exposes the stage-technician candidate to such skills as stage carpentry, stage lighting, stage props, rigging, stage wardrobe, stage setups of audiovisual equipment, special effects, makeup, laser and stage pyrotechnics, and the basics of television and video production. Students will complete Theatre Technology I (THEA 1110), Theatre Technology II (THEA 1120), Theatre Technology III (THEA 1130) and Cooperative Study (THEA 2981, 2982, 2983) during Year I and Script Analysis (THEA 2010), Theatre History (THEA 2110), Principles of Stage Lighting (THEA 2160), Theatre History II (THEA 2120), Stage Rigging (THEA 2150) and Cooperative Study (THEA 29894, 2985, 2986) during Year 2. Students will be responsible for transportation, instructional materials, tuition and fees at MCC.

Prerequisites: Approved application and interview. Contact your counselor for more information.

0837 AUTO COLLISION TECHNOLOGY-Year 1 **11-12** 10 Credits

0837 AUTO COLLISION TECHNOLOGY-Year 2 **11-12** 10 Credits

Description: This program is provided through agreement with Metropolitan Community College. Students will attend classes at the Fort Omaha Campus of Metropolitan Community College and participate in a paid internship program. The student will complete Automotive Welding (AUTB 1000), Non-Structural Repair I (AUTB 1200), Automotive Welding II (AUTB 1010), Automotive Refinishing (AUTB 2300), and Structural Repair I (AUTB 1100) during Year 1. The student will complete Non-Structural Repair II (AUTB 1210), Automotive Refinishing II (AUTB 2310) and Non-structural Repair III (AUTB 1220) during Year 2. Students will be responsible for transportation, instructional materials, tuition and fees at MCC.

Prerequisites: Approved application and interview. Contact your counselor for more information.

0838 AUTOMOTIVE TECHNOLOGY-Year 1 **11-12** 10 Credits

0838 AUTOMOTIVE TECHNOLOGY-Year 2 **11-12** 10 Credits

Description: This two-year program is provided through agreement with Metropolitan Community College. Students will attend classes at the South Omaha Campus of Metropolitan Community College and participate in a paid internship program. Over the two years, students will complete Automotive Fundamentals (AUTT 0900), Introduction to Auto Service & Minor Repair (AUTT 1010), Auto Electricity and Electronics (AUTT 1210), Brake Systems (AUTT 1510), Suspension Systems (AUTT 2310), Technical Academy Internships (AUTT 1981, 1982, 1983). Students will be responsible for transportation, instructional materials, tuition and fees at MCC.

Prerequisites: Approved application and interview. Contact your counselor for more information.

0842 CRIMINAL JUSTICE **11-12** 10 Credits

Description: This program is provided through agreement with Metropolitan Community College. Students will attend classes at the Sarpy Center Campus. Students will complete Introduction to Criminal Justice (CRIM 1010), Police and Society (CRIM 2030), Introduction to Sociology (SOC 1010) and Introduction to Corrections (CRIM 1020). Students will be responsible for transportation, instructional materials, tuition and fees at MCC.

Prerequisites: Approved application and interview. Contact your counselor for information.

0843 ELECTRICAL TECHNOLOGY-Year 1 **11-12** 15 Credits

0843 ELECTRICAL TECHNOLOGY-Year 2 **11-12** 10 Credits

Description: This program is provided through agreement with Metropolitan Community College. Students will attend classes at the South Omaha Campus. Students will complete Basic Electricity (ELTR 1200), Residential Wiring I (ELTR 1210), and Commercial Wiring (ELTR 1220). Students will be responsible for transportation, instructional materials, tuition and fees at MCC.

Prerequisites: Approved application and interview. Contact your counselor for information.

0845 DIESEL TECHNOLOGY-Year 1**11-12**

10 Credits

0845 DIESEL TECHNOLOGY-Year 2**11-12**

10 Credits

Description: This program is provided through agreement with Metropolitan Community College. Students will attend classes at the South Omaha Campus of Metropolitan Community College and participate in a paid internship program. The student will complete Basics of Diesel Mechanics (DESL 0900), Diesel Preventative Maintenance (DESL 1000), Diesel Engine Fundamentals (DESL 1230), and Heavy Duty Drivetrain (DESL 2100) in Year 1. The student will complete Diesel Internship I (DIESL 2981), Diesel Electricity (DESL 1010), Diesel Electronics (DESL 1210), Steering Suspension and Brakes (DESL 2200) and Climate Control/Heating and A/C (DESL 1620) during Years 2. Students will be responsible for transportation, instructional materials, tuition and fees at MCC.

Prerequisites: Approved application and interview. Contact your counselor for more information.

0852 WELDING I Year 1**11-12**

10 Credits

Description: This program is provided through agreement with Metropolitan Community College. Students will attend classes at the South Omaha Campus. Students will complete Print Reading & Layout for Welders I (WELD 1010), GMAW (MIG) Steel I (WELD 1200), GMAW (MIG) Steel II (WELD 2200), AutoCAD Fundamentals I (DRAF 110a), Flux-cored Arc Welding (WELD 2240), Industrial Cutting Processes (WELD 1100), and Special Topics in Welding-SkillsUSA Training (WELD 1910). Students will be responsible for transportation, instructional materials, tuition and fees at MCC.

Prerequisites: Approved application and interview. Contact your counselor for information.

0853 WELDING TECHNOLOGY Year 2**11-12**

10 Credits

Description: This program is provided through agreement with Metropolitan Community College. Students will attend classes at the South Omaha Campus. Students will complete Flux-cored Arc Welding II (WELD 2241), Print Reading & Layout for Welders II (WELD 1020), GMAW (MIG) Stainless (WELD 2220), GMAW (MIG) Aluminum (WELD 2230), AutoCAD Fundamentals II (DRAF 110b), Introductory Fabrication (WELD 1700) and Special Topics in Welding-SkillsUSA Training (WELD 2910). Students will be responsible for transportation, instructional materials, tuition and fees at MCC.

Prerequisites: Approved application and interview. Contact your counselor for information.

0854 DIGITAL CINEMA/FILMMAKING**11-12**

10 Credits

Description: This program is provided through agreement with Metropolitan Community College. Students will attend classes at the Elkhorn Valley Campus. Students will complete Moving Image Lab (PHOT 1500), Intro to Scriptwriting (VACA 1110), Video I (VACA 1130), and Art in Film (VACA 2900). Students will be responsible for transportation, instructional materials, tuition and fees at MCC.

Prerequisites: Approved application and interview. Contact your counselor for information.

Planning Resources

POST-SECONDARY PLANNING

PERSONAL LEARNING PLANS

Personal Learning Plans (PLPs) help students understand themselves, develop and meet goals, and document their accomplishments. Students use the Personal Learning Plan (PLP) as a guide to prepare for graduation, post-secondary education and a career. To be best prepared for college and/or careers, students should challenge themselves in the following ways:

1. Take more than the minimum graduation requirements.
2. Take as many core classes as possible. This is the best preparation for the ACT/SAT test and will also enhance your success in college classes.
3. Take a variety of courses from different subject areas. High school is the time to develop interests and try something new.
4. Take the most challenging classes. Colleges and universities look for students who continue to challenge themselves with higher level courses.
5. Take at least one Advanced Placement[®] course.
6. Enroll in dual credit courses.
7. Pursue a diploma path.

To challenge yourself, take the ACT core, Advanced Placement[®], and Dual Enrollment courses while also preparing for a career. Many courses enable students to accomplish all of the above. Details about each of these opportunities are identified below.

ACT[®] SCORES AND CORE CURRICULUM

ACT[®] scores are one of the best predictors of college success. To be well prepared for the ACT, take classes ACT considers core curriculum. The ACT core curriculum consists of the following:

English	4 years or more
Math	3 years or more including Algebra I, Geometry, and Algebra II
Social Studies	3 years or more
Natural Sciences	3 years of science including Biology, Chemistry, and Physics

ADVANCED PLACEMENT[®]

The Advanced Placement[®] program is an endeavor among secondary schools and colleges and universities. AP courses provide students with the opportunity to take college-level courses in a high school setting. Based on performance on AP examinations, students may earn college credit, advanced placement, or both. This provides students the opportunity to reduce college tuition and graduate from college early.

Research indicates that students who take an AP course and exam, but earn only a 1 or 2 (5 being the highest score), perform better in college than students who have not taken an AP course.

Millard Public Schools began building an Advanced Placement[®] culture during the 2005-2006 school year as a result of the 2004 District Strategic Plan. During the past several years, the Millard Public Schools Foundation has provided the opportunity for our students to apply for an AP Scholarship, which assisted students in paying for their AP exams. As the district moves into the next phase of creating an AP culture, we highly encourage all students to take at least one AP course and exam during their high school experience. Eliminating the AP exam fee for all students, beginning with the 2011-2012 school year, removed a potential financial barrier and advanced the goal of students taking the exam for each AP course they enroll in. The MPS Foundation continues their commitment to support the AP culture by now paying for all AP exams not funded through UNO Dual Enrollment course registration. We thank the MPS Foundation and their donors for supporting this worthwhile endeavor as our students continue to strive toward completing the most rigorous courses during their high school years.

PERSONAL LEARNING PLAN RUBRIC

As part of the Millard Public Schools Graduation Requirements, each student must complete the following parts of his/her Personal Learning Plan (PLP). The PLP will be completed using the *Naviance Family Connection* web site. Student progress will be monitored and recorded in Naviance by a school representative, such as an advisor, counselor, assistant principal or principal.

Students and parents may access *Naviance Succeed* from the link on each high school web page. The following table identifies tasks to be accomplished at each grade level.

PLP Tasks	Description	9th Grade	10th Grade	11th Grade	12th Grade
SMART Goals	Specific, Measurable, Attainable, Results Oriented, Timely	X	X	X	X
Resumé	Record of accomplishments and activities, updated when changes occur and at least annually	X	X	X	X
My Game Plan	Post-secondary and/or college goals	X	X	X	X
Course Planner (4 Year Plan)	Tool to determine sequence of courses to assist in college and career preparation through rigorous high school courses	X	X	X	X
Career Interest Profiler	Inventory to identify personal career preferences	X			
Learning Styles Inventory	Inventory to identify personal learning style preferences	X			
Developmental Asset Profile [®]	Inventory to identify 40 Developmental Assets [®]	X		X	
College & Career Readiness Measure	Assessment to measure College & Career Readiness Measure - TBD				
Personality Inventory "Do What You Are"	Inventory to identify personality traits		X		
PLAN <i>Academic Results and World of Work</i>	Academic assessment to identify areas of academic need and serves as a predictor of performance on the ACT. World of Work portion of the assessment provides individual career preferences.		X		
Counselor Interview	Individual interview to confirm post-secondary plans				X
Annual Reflection	Prompts the student to reflect on activities that prepare for post-secondary plans	X	X	X	X

Each Personal Learning Plan must meet the following minimum quality guidelines:

Task	Quality
SMART Goals	Each goal reflects all five aspects of a SMART Goal; Specific, Measurable, Attainable, Results Oriented, Timely.
Resumé	Answers for each aspect of the personal resumé are in complete sentences or detailed phrases. All information is included. If a student did not participate in an activity, he/she indicates "Did not Participate."
Reflections	Answers are in complete sentences or detailed phrases. All questions are answered. "None" is not an acceptable answer. Details are encouraged.

- At least one month prior to graduation, the Senior PLP must be completed on *Naviance Family Connection*.
- Transfer students are expected to complete a Personal Learning Plan, with the understanding that the principal (or designee) may waive unreasonable requirements, based on student entrance into Millard.

MPS DIPLOMA PATHS OVERVIEW

A world-class school district facilitates student goal-setting. High school students in the Millard Public Schools will choose a diploma path to pursue during their high school years. In addition to the Regular Diploma, students may choose from two other diploma paths.

One diploma path, the **Liberal Arts** path, specifically addresses the needs of students who plan to earn a baccalaureate degree after graduation. The second diploma path, the **Specialty** path, focuses on the needs of students who plan to specialize in a particular career field. In the Specialty areas students must complete an approved sequence of study in a career field. Both paths include incentive categories by which students can achieve a more rigorous diploma by taking more classes and achieving a higher GPA. These incentive categories are labeled "Commended" and "Distinguished." The minimum requirements for the diploma paths and categories are outlined below.

Criteria	Regular	Liberal Arts Commended	Liberal Arts Distinguished	Specialty Commended	Specialty Distinguished
English	40	45	45*	40	40
Math	30	40	40*	30	30
Social Studies	30	30	30*	30	30
Science	30	35	35*	30	30
World Language		20	20*		
Additional Core Credits			40 from any asterisked areas		
Physical Education	15	15	15	15	15
Everyday Living	5	5	5	5	5
Technology	5	5	5	5	5
Arts	5	5	5	5	5
Human Resources	5	5	5	5	5
Financial Literacy	5	5	5	5	5
Required Electives	60	30		40	30
Specialty Area				30	50
AP/IB DP Credits (included in total credits)		(20) from any area	(40) from any area		
Total Credits	230	240	250	240	250
GPA		3.0 Overall	3.5 Overall	3.0 in Spec. Area; 2.0 Overall	3.5 in Spec. Area; 2.5 Overall

The Specialty Diploma Path Career Field areas include: **Business, Marketing, and Management** (Finance, Business Management & Administration, Marketing, and Hospitality & Tourism); **Communication and Information Systems** (Journalism, Visual Arts, Performing Arts, and Information Technology); **Health Sciences** (Therapeutic Services and Diagnostic & Research Services); **Human Sciences and Education** (Human Sciences, Education & Training, and Law, Public Safety & Security); **and Skilled and Technical Sciences** (Construction; Engineering; Manufacturing; Power, Energy and Mechanized Systems; Electrical; Diesel; Automotive; and Distribution & Logistics Management).

These diploma paths function as one tool to help students set goals challenging themselves to reach their full potential. It supports the philosophy that the path to graduation begins much earlier than senior year. Determining one's diploma path will begin through completion of the Personal Learning Plan.

To learn which diploma paths are offered at each high school, refer to each school's web site.

SPECIALTY DIPLOMA PATH

The Specialty Diploma Path is for students who plan to specialize in the following career fields:

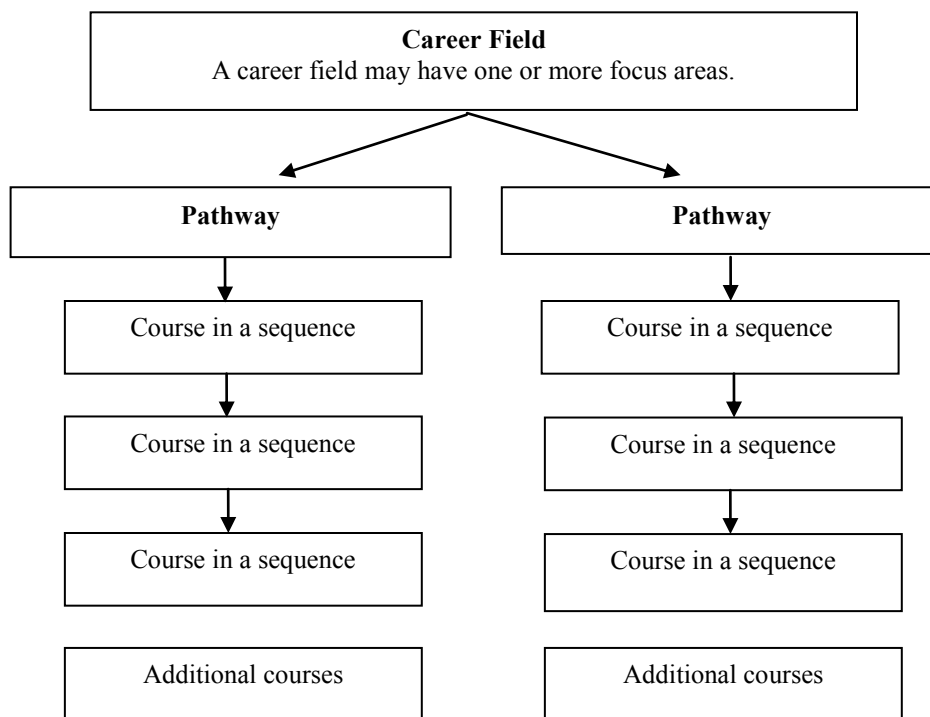
Business, Marketing, and Management
 Communication and Information Systems: Arts, AV Technology, and Communication
 Health Sciences
 Human Sciences and Education
 Skilled and Technical Sciences

All students must meet the requirements for a regular diploma. The Specialty Diploma recognizes accomplishments over and above the minimum requirements for a regular diploma.

To earn a Specialty Commended Diploma, a student must meet the GPA criteria and complete **30** credits in a career field. These **30** credits must include a sequence of three courses in one of the focus areas in the career field. A Metropolitan Community College (MCC) Academy fulfills the sequence requirement.

To earn a Specialty Distinguished Diploma, a student must meet the GPA criteria and complete **50** credits in a career field. These **50** credits must include a sequence of three courses in one of the focus areas in the career field. A Metropolitan Community College (MCC) Academy fulfills the sequence requirement.

The diagram below illustrates the organizational structure of a career field. Each career field is represented in this way on the tables on the following pages. Please refer to the curriculum handbook for course descriptions and an explanation of Metropolitan Community College academies.



Refer to Diploma Path Overview, page 129

BUSINESS, MARKETING AND MANAGEMENT SPECIALTY DIPLOMA

In order to graduate, all students must take a technology course.
The following courses exceed this requirement.

Specialty Commended Diploma

To earn a Specialty Commended Diploma, a student must meet the GPA criteria and complete **30** credits in a career field. These **30** credits must include a sequence of three courses in one of the pathways (see chart below). If Computer Technology Applications is taken to fulfill the technology graduation requirement, it may be part of the sequence of courses, but is not included in the 30 credits.

- Millard Public Schools Entrepreneurship, and Culinary Skills Career Academies fulfill the sequence requirement.
- The Metropolitan Community College (MCC) Academy fulfills the sequence requirement.

Specialty Distinguished Diploma

To earn a Specialty Distinguished Diploma, a student must meet the GPA criteria and complete **50** credits in a career field. These **50** credits must include a sequence of three courses in one of the pathways (see chart below). If Computer Technology Applications is taken to fulfill the technology graduation requirement, it may be part of the sequence of courses, but is not included in the 50 credits.

- Millard Public Schools Entrepreneurship, and Culinary Skills Career Academies fulfill the sequence requirement.
- The Metropolitan Community College (MCC) Academy fulfills the sequence requirement.

FINANCE	BUSINESS MANAGEMENT AND ADMINISTRATION		MARKETING	HOSPITALITY AND TOURISM
Personal Finance (5) Accounting I (10) Accounting II (10) AP Macroeconomics (5) AP Microeconomics (5)	<p>Management</p> <p>International Business (5) Business Law (5) Business Communications (5)</p> <p>Or</p> <p>*Millard Public Schools Entrepreneurship Career Academy</p>	<p>Administrative Services</p> <p>Keyboarding & Input Technology (5) Computer Technology Applications (5) Advanced Computer Technology Applications (5)</p> <p>Or</p> <p>Keyboarding & Input Technology (5) Business Procedures & Technology (10) Business Procedures & Technology Internship (10)</p> <p>Or</p> <p>Keyboarding & Input Technology (5) Computer Technology Applications (5) Business Procedures & Technology (10)</p> <p>Or</p> <p>Computer Technology Applications (5) Adv. Computer Technology Applications (5) STARS (10)</p> <p>Or</p> <p>*MCC Microcomputer Information Technology Academy</p>	<p>Marketing I (10) Marketing II (10) Marketing Internship (10) AP Macroeconomics (5)</p> <p>Or</p> <p>Fashion Marketing (10) Marketing II (10) Marketing Internship (10) AP Macroeconomics (5)</p>	*Millard Public Schools Culinary Skills Academy

Refer to Diploma Path Overview, page 129

COMMUNICATION AND INFORMATION SYSTEMS SPECIALTY DIPLOMA

In order to graduate, all students must take a fine and performing arts course.
The following courses exceed this requirement.

Specialty Commended Diploma

To earn a Specialty Commended Diploma, a student must meet the GPA criteria and complete **30** credits in a career field. These **30** credits must include a sequence of three courses in one of the pathways (see chart below). The course taken to fulfill the fine arts graduation requirement may be part of the sequence of courses, but is not included in the 30 credits.

- The Metropolitan Community College (MCC) Academy fulfills the sequence requirement.

Specialty Distinguished Diploma

To earn a Specialty Distinguished Diploma, a student must meet the GPA criteria and complete **50** credits in a career field. These **50** credits must include a sequence of three courses in one of the pathways (see chart below). The course taken to fulfill the fine arts graduation requirement may be part of the sequence of courses, but is not included in the 50 credits.

- The Metropolitan Community College (MCC) Academy fulfills the sequence requirement.

ARTS, A/V TECHNOLOGY, AND COMMUNICATION				
JOURNALISM	VISUAL ARTS	PERFORMING ARTS		
		Vocal Music	Instrumental Music	Drama
<p>North & South High Intro to Journalism (5) Advanced Journalism (10) Yearbook (10-20) Introduction to Photojournalism (5)</p> <p>West High Intro to Journalism (5) Advanced Journalism (20) Yearbook (20)</p> <p><i>Courses taken must exceed the English Elective and Oral Communications graduation requirements.*</i></p> <p>To complete the requirement for 30 or 50 credits students may take any of the courses above or the following:</p> <p>Creative Writing (5)* Forensics (10)* 21st Century Media Literacy* (5)</p>	<p>Art Foundations (5) Drawing (5) Advanced Drawing (5) Or Art Foundations (5) Drawing (5) Painting (5) Or Art Foundations (5) Pottery and Sculpture (5) Advanced Pottery and Sculpture (5) Or Introduction to IB Visual Arts (10) IB Visual Arts SL (10) IB Visual Arts HL I (10)</p> <p>To complete the requirement for 30 or 50 credits students may take any of the courses above not already taken or any of the following:</p> <p>Color and Design (5) Art History: Art Through the Ages (5) Commercial Graphic Design (5) Advanced Studio Art (10) IB Visual Arts HL II (10)</p>	<p>Voce, Cantori, Singers 4 semesters</p> <p>Distinguished Diploma: Music Theory (5) AP Music Theory (5), Music Consumer (5) or classes from the Instrumental Music Sequence or Choral Performance Music courses to complete 50 credits</p> <p>Or AP Music Theory (5) IB Music SL (10) and Music Connections (5) or classes from the Instrumental Music Sequence or Choral Performance Music courses to complete 50 credits</p>	<p>Wind Ensemble - 6 semesters, Or Philharmonic Orchestra - 6 semesters (30) Or Marching Band, OR Concert Band, OR Symphonic Band - 6 semesters (30)</p> <p>Distinguished Diploma: Music Theory (5) AP Music Theory (5), Music Consumer (5) or classes from the Instrumental Music Sequence or Choral Performance Music courses to complete 50 credits Or AP Music Theory (5) IB Music SL (10) and Music Consumer (5) or classes from the Instrumental Music Sequence or Choral Performance Music courses to complete 50 credits</p>	<p>Drama I (5) Drama II (5) Theatre Technology (5) Or IB Film (10) Or *MCC Theatre Technology Year I Academy</p> <p>To complete the requirement for 30 or 50 credits students may take any of the courses above or the following:</p> <p>Theatre Appreciation (5) Forensics (10) *MCC Theatre Technology Year II Academy</p>
AUDIO/VIDEO TECHNOLOGY & FILM				
*MCC Digital Cinema/Filmmaking				

Refer to Diploma Path Overview, page 129

COMMUNICATION AND INFORMATION SYSTEMS SPECIALTY DIPLOMA INFORMATION TECHNOLOGY

In order to graduate, each student must take a technology course.

The following courses exceed this requirement.

Specialty Commended Diploma

To earn a Specialty Commended Diploma, a student must meet the GPA criteria and complete **30** credits in a career field. These **30** credits must include a sequence of three courses in one of the pathways (see chart below). If one of these courses is taken to fulfill the technology graduation requirement, it may be part of the sequence of courses, but is not included in the 30 credits.

Specialty Distinguished Diploma

To earn a Specialty Distinguished Diploma, a student must meet the GPA criteria and complete **50** credits in a career field. These **50** credits must include a sequence of three courses in one of the pathways (see chart below). If one of these courses is taken to fulfill the technology graduation requirement, it may be part of the sequence of courses, but is not included in the 50 credits.

PROGRAMMING & SOFTWARE DEVELOPMENT	MILLARD SOUTH TECHNOLOGY MINI-MAGNET	
	WEB AND DIGITAL COMMUNICATIONS	
	Computer Graphics	Visual Graphics
	Introduction to Computer Science (5) JAVA Programming (5) Computer Topics (5) <p style="text-align: center;">Or</p> Introduction to Computer Science (5) JAVA Programming (5) Advanced Placement® Computer Science A (10) <p style="text-align: center;">Or</p> To complete the requirement for 30 or 50 credits, take courses not already taken from any technology sequence, or the following: Advanced Placement® Computer Science A (10) Computer Technology Applications (5) The Specialty Distinguished diploma is not available at Millard North and Millard West.	Introduction to Graphic Communication (5) Foundation of Computer Graphics (10) Advanced Computer Graphics (10)
	To complete the requirement for 30 or 50 credits, take courses not already taken from any technology sequence in Programming and Software Development, Computer Graphics or Visual Graphics, or the following: STARS (10) STARS Internship (10)	

Refer to Diploma Path Overview, page 129

HEALTH SCIENCES SPECIALTY DIPLOMA

This diploma path is unique because it includes courses from multiple departments.

Specialty Commended Diploma

To earn a Specialty Commended Diploma, a student must meet the GPA criteria and complete **30** credits in a career field. These **30** credits must include a sequence of three courses the pathway. (See chart below). The Distinguished Diploma path is available for the Therapeutic Services Pathway.

- The Millard Public Schools Health Sciences Career Academy fulfills the sequence requirement.
- The UNMC High School Alliance fulfills the sequence requirement.

Specialty Distinguished Diploma

To earn a Specialty Distinguished Diploma, a student must meet the GPA criteria and complete the Millard Public Schools Health Sciences Academy or University of Nebraska Medical Center (UNMC) High School Alliance.

- The Millard Public Schools Health Sciences Career Academy fulfills the sequence requirement.
- The UNMC High School Alliance fulfills the sequence requirement.

THERAPEUTIC SERVICES	DIAGNOSTIC & RESEARCH SERVICES
Human Physiology (10) Sports Injury & Training (5)* Sports Injury & Training Internship (10)* To complete the requirement for 30 credits, students may take any of the courses below if not already taken: Advanced Performance (5) Cross Training I (5) Cross Training II (5) Lifetime Fitness (5) Lifeguard Training (5)	Millard Public Schools Health Sciences Career Academy UNMC High School Alliance- Completion of 40 Credits

*MSHS & MWHS only

Refer to Diploma Path Overview, page 129

HUMAN SCIENCES AND EDUCATION SPECIALTY DIPLOMA

In order to graduate, all students must take a human resource course.
The following courses exceed this requirement.

Specialty Commended Diploma

To earn a Specialty Commended Diploma, a student must meet the GPA criteria and complete **30** credits in a career field. These **30** credits must include a sequence of three courses in one of the pathways (see chart below). If either Child Development or Adult Living is taken to fulfill the human resource graduation requirement, it may not be included in the 30 credits.

- The Millard Public Schools Education Career Academy fulfills the sequence requirement.
- The Metropolitan Community College (MCC) Academy fulfills the sequence requirement.

Specialty Distinguished Diploma

To earn a Specialty Distinguished Diploma, a student must meet the GPA criteria and complete **50** credits in a career field. These **50** credits must include a sequence of three courses in one of the pathways (see chart below). If either Child Development or Adult Living is taken to fulfill the human resource graduation requirement, it may not be included in the 50 credits.

- The Millard Public Schools Education Career Academy fulfills the sequence requirement.
- The Metropolitan Community College (MCC) Criminal Justice Academy fulfills the sequence requirement.

HUMAN SCIENCES		EDUCATION AND TRAINING	LAW, PUBLIC SAFETY & SECURITY
Textiles, Clothing & Design	Foods & Nutrition		
Interior Design (5) Clothing, Textiles & Design (5) Creative Textiles (5) Textiles Independent Study (5)	Foods for Today (5) International Foods (5) Culinary Skills (5) Foods and Nutrition Independent Study (5)	Millard Public Schools Education Career Academy	MCC Criminal Justice Academy
To complete the requirement for 30 or 50 credits, students may take any of the courses above not already taken.			

The following courses may be completed to earn 30 or 50 credits if not taken for the human resource graduation requirement:

- Child Development (5)
- Adult Living (5)

To earn a distinguished diploma, the student will need to complete all courses listed above.

Refer to Diploma Path Overview, page 129

INDUSTRIAL, MANUFACTURING, AND ENGINEERING SYSTEMS SPECIALTY DIPLOMA

In order to graduate, each student must take a technology course.
The following courses exceed this requirement.

Specialty Commended Diploma

To earn a Specialty Commended Diploma, a student must meet the GPA criteria and complete **30** credits in a career field. These **30** credits must include a sequence of three courses in one of the pathways (see chart below). The course taken to fulfill the technology graduation requirement may not be included in the 30 credits.

- The Millard Public Schools Distribution & Logistics Management Career Academy fulfills the sequence requirement.
- The Metropolitan Community College (MCC) Academy fulfills the sequence requirement.

Specialty Distinguished Diploma

To earn a Specialty Distinguished Diploma, a student must meet the GPA criteria and complete **50** credits in a career field. These **50** credits must include a sequence of three courses in one of the pathways (see chart below). The course taken to fulfill the technology graduation requirement may not be included in the 30 credits.

- The Millard Public Schools Distribution and Logistics Management Career Academy fulfills the sequence requirement.
- The Metropolitan Community College (MCC) Academy fulfills the sequence requirement.

CONSTRUCTION PATHWAY	ENGINEERING PATHWAY	MANUFACTURING PATHWAY		POWER, ENERGY AND MECHANIZED SYSTEMS PATHWAY
		Welding	Metals	
Introduction to Carpentry (5) Carpentry (5) Advanced Finish Carpentry (5) Construction and Management (5)	Introduction to Engineering Design I (5) Introduction to Engineering Design II (5) Principles of Engineering I (5) Principles of Engineering II (5) Digital Electronics I (5) Digital Electronics II (5) Civil Engineering and Architecture I (5) Civil Engineering and Architecture II (5) Engineering Design and Development I (5) Engineering Design and Development II (5)	Introduction to Metalworking (5) Welding I (5) Welding II: Welding Applications (5) Or MCC Welding Technology Year I Academy	Introduction to Metalworking (5) Machining Processes (5) Automated Manufacturing Technology I (10) Automated Manufacturing Technology II (10)	Introduction to Power, Energy and Mechanized Systems (5) Mechanical Systems Operations (5) Power Systems Design and Fabrication I (5) Power Systems Design and Fabrication II (5)
		DISTRIBUTION & LOGISTICS MANAGEMENT		
		Millard Public School Distribution and Logistics Management Career Academy		

To complete 30 or 50 credits, students may take any of the above courses not already taken or any of the following:

- Consumer Maintenance (5)
- Computer-Aided Drafting (5)

Refer to Diploma Path Overview, page 129

INDUSTRIAL, MANUFACTURING, AND ENGINEERING SYSTEMS SPECIALTY DIPLOMA *(continued)*

These Metropolitan Community College (MCC) Academies fulfill the sequence requirement for the Distinguished Diploma Paths:

Electrical	Diesel	Automotive
MCC Electrical Technology Academy	MCC Diesel Service Technology Academy	MCC Automotive Technology Year I Academy MCC Automotive Technology Year II Academy MCC Auto Collision Technology Year I Academy

Refer to Diploma Path Overview, page 129

DUAL ENROLLMENT OPPORTUNITIES

University of Nebraska-Omaha

Students have the option to enroll for college credit while taking high school courses. The number of college credits is determined by the corresponding college course. The grade earned appears on both the high school and UNO transcripts. This credit may be transferable to other colleges and universities. Students are urged to check with the college they plan to attend regarding their transfer policies. Selected Advanced Placement® courses, Academy courses and Athletic Training & Sports Injury Internship are available for dual credit. Please contact an administrator at the building for more information.

Students are required to take the Advanced Placement® exam if earning dual enrollment in an Advanced Placement® course. Tuition costs for 2013-2014 are \$250.00 per UNO course (2014-2015 costs to be determined).

Metropolitan Community College

Students have the option to earn dual enrollment credit while taking specific high school or Metropolitan Community College (MCC) courses. The number of credits is determined by the corresponding college course and the grade earned appears on both the high school and MCC transcript. This credit may transfer to other colleges and universities. Students are urged to check with the college they plan to attend regarding transfer policies.

Tuition costs for 2013-2014 are \$25 per course for courses taught independently by Millard staff or \$31.50 per MCC credit (2014-2015 costs to be determined).

METROPOLITAN COMMUNITY COLLEGE

Millard Public Schools and Metropolitan Community College (MCC) maintain an articulation agreement that may give students advanced standing in approved courses when they attend Metropolitan Community College. Students who meet the following conditions are eligible to enter MCC with advanced standing in a given sequence of courses:

- Obtain a grade of a 1 or 2 in the Millard course(s) to be considered for advanced standing.
- Complete the Advanced Standing Application and enroll at MCC within two years of high school graduation.

METROPOLITAN COMMUNITY COLLEGE ARTICULATED COURSES

Students interested in these courses should discuss these opportunities with their counselor.			
Millard Courses		Metropolitan Community College	
0504	Keyboarding and Input Technology	INFO 1005	Keyboarding
0506	Computer Technology Applications	INFO 1001	Microcomputer Fundamentals
0502	Accounting I	ACCT 1050	Bookkeeping
0503	Accounting II	ACCT 1050 ACCT 1100	Bookkeeping and/or Accounting I
0512	Marketing I/0513 Marketing II	BSAD 1100	Principals of Marketing
0527	Child Development	ECED 1150	Introduction to Early Childhood Education
0525	Culinary Skills	CHRM 1000 CHRM 1110	CHRM Orientation Vegetables & Starch Basics
0654	Introduction to Carpentry	CNST 1050	Introduction to Carpentry
0685	Welding I, 0686 Welding II: Welding Applications	WELD 1300	Oxyacetylene Welding (OAW)
0641	Residential Architecture Drafting & Design	ARCH 1110 ARCH 1200	Intermediate AutoCAD or Woodframe Architecture
0651	Foundations of Computer Graphics (Millard South only)	GCAD 1010	Creativity: Concept Development
0655	Foundations of Visual Graphics (Millard South only)	PHOT 1110	Basic Photography
0656	Advanced Visual Graphics (Millard South only)		

COLLEGE ATHLETICS ELIGIBILITY

Students who wish to compete as freshmen on college athletic teams after completion of high school must meet established eligibility guidelines from the National Collegiate Athletic Association (NCAA), the National Association of Intercollegiate Athletics (NAIA), or the National Junior College Athletic Association (NJCAA). Information concerning eligibility for each of these organizations can be found on the following websites:

NCAA: http://eligibilitycenter.org/ECWR2/NCAA_EMS/NCAA.html

NAIA: www.naia.org

NJCAA: www.njcaa.org

NCAA

Student athletes who wish to participate in NCAA Division I or Division II sports **MUST BE CERTIFIED** by the NCAA Eligibility Center which will analyze individual academic information to determine if a student meets NCAA eligibility requirements. **DON'T DELAY THIS PROCESS** – if a student is uncertain about participation in Division I or II it is best to complete this process anyway. This process does **NOT** bind a student to participate; however, it is a necessary procedure should a student elect to participate. Failure to be certified may affect visitations to colleges regarding athletics, and college coaches may be reluctant to make commitments to athletes who have not completed the NCAA initial-eligibility certification.

Students are encouraged to visit with a counselor to review the policies which will affect them. Athletes or their parents are encouraged to obtain additional references pertaining to student athletes. The best single reference is *2013-2014 NCAA Guide for the College Bound Student Athlete* published by the NCAA Eligibility Center, PO Box 7136, Indianapolis, Indiana, 46207-7136. The toll-free phone number is (877) 262-1492; Monday through Friday from 8 a.m. to 6 p.m. Eastern time. This document is also available on-line at www.ncaa.org.

NCAA Freshman-Eligibility Standards Quick Reference Information

Core Courses

- NCAA Division I requires **16 core courses**. NCAA Division I requires 10 core courses to be completed prior to the seventh semester (seven of the 10 must be a combination of English, math or natural or physical science that meet the distribution requirement. These 10 courses become “locked in” at the seventh semester and cannot be retaken for grade improvement. See the chart on page 140 for the breakdown of the complete 16 core-course requirement.
 - Beginning August 1, 2016, it will be possible for a Division I college-bound student-athlete to still receive athletics aid and the ability to practice with the team if he or she fails to meet the 10 course requirement, but would not be able to compete.
- NCAA Division II requires **16 core courses** for students enrolling on or after August 1, 2013. See the breakdown of core-course requirements on page 140.

Test Scores

- **Division I** has a sliding scale for test score and core grade-point average.
- **Division II** has a minimum SAT score requirement of 820 or an ACT sum score of 68.
- The SAT score used for NCAA purposes includes only the critical reading and math sections. The writing section of the SAT is not used.
- The ACT score used for NCAA purposes is a **sum** of the four sections on the ACT: English, mathematics, reading and science.
- **All SAT and ACT scores must be reported directly to the NCAA Eligibility Center by the testing agency.** Test scores that appear on transcripts will not be used. When registering for the SAT or ACT, use the Eligibility Center code of 9999 to make sure the score is reported to the Eligibility Center.

Grade-Point Average

- Only core courses are used in the calculation of the grade-point average.
- Be sure to look at your high school's list of NCAA-approved core courses on the Eligibility Center's web site to make certain that courses being taken have been approved as core courses. The Web site is www.eligibilitycenter.org.
- **Division I** grade-point-average requirements are based on an index that matches the combined SAT or ACT sum score to the core grade point average. The index scale is available through the Counseling or Activities Office or the NCAA web site. Division I GPA required to receive athletics aid and practice on or after August 1, 2016, is 2.00-2.299 (corresponding test-score requirements are listed on the index scale.) Division I GPA required to be eligible for competition on or after August 1, 2016, is 2.30 (corresponding test-score requirements are listed on the index scale.)
- The **Division II** core grade-point-average requirement is a minimum of 2.00.

Division I 16 Core Courses	
4	years of English
3	years of mathematics (Algebra I or higher)
2	years of natural/physical science (1 year of lab if offered by high school)
1	year of additional English, mathematics or natural/physical science
2	years of social science
4	years of additional courses (from any area above, foreign language or comparative religion/philosophy)
<i>Note: Courses with similar content may be deemed duplicative by the NCAA Eligibility Center.</i>	

Division II 16 Core Courses	
3	years of English
2	years of mathematics (Algebra I or higher)
2	years of natural/physical science (1 year of lab if offered by high school)
3	year of additional English, mathematics or natural/physical science
2	years of social science
4	years of additional courses (from any area above, foreign language or comparative religion/philosophy)

Amateurism Certification

Students who enroll at an NCAA Division I or II institution for the first time need to also complete the amateurism questionnaire through the Eligibility Center web site. Students need to request final amateurism certification prior to enrollment.

Division III

Student athletes who wish to participate in NCAA Division III are not currently certified by the NCAA Initial-Eligibility Clearinghouse. Those wanting to participate in Division III athletics should contact the Division III institutions of interest regarding their policies on admission, financial aid, athletic eligibility, practice and competition. In Division III, certification of an individual's amateurism status is completed by each college or university, not the Eligibility Center.

NAIA

The National Association of Intercollegiate Athletics requires a participant in athletics during the first year in school to meet two of three basic education requirements.

1. Achieve a minimum of 18 on the ACT or 860 on the SAT. The ACT/SAT test must be taken on a national testing date. The SAT score of 860 must be achieved on the Critical Reading and Math sections of the SAT and must be achieved on a single test.
2. Achieve a minimum overall high school grade point average of 2.000 on a 4.000 scale.
3. Graduate in the top half of his/her high school graduating class.

NJCAA

The National Junior College Athletic Association requires a participant in athletics to meet the following criteria.

1. A student-athlete must be a graduate of a high school with an academic diploma or a General Education diploma.
2. Please note that current high school athletes may not try out at a NJCAA member college prior to graduating from high school unless existing State High School Activities Association regulations in the student-athlete's home state permit such tryouts to occur.

QUICK REFERENCE TABLE OF ALL MILLARD COURSES

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
ART										
0701	Art History: Art Through the Ages	5	9-12	F				•	•	•
0704	Color and Design	5	9-12	F			•	•	•	•
0705	Art Foundations	5	9-12	F			•	•	•	•
0709	Commercial Graphic Design	5	11-12	F	0720			•	•	•
0710	Pottery and Sculpture	5	10-12	F	0705		•	•	•	•
0711	Advanced Pottery and Sculpture	5	10-12	F	0710		•	•	•	•
0720	Drawing	5	10-12	F	0705		•	•	•	•
0721	Advanced Drawing	5	10-12	F	0720			•	•	•
0722	Painting	5	10-12	F	0720			•	•	•
0730 A/B	Advanced Studio Art	10	12	F	0721†			•	•	•
0706 A/B	Introduction to IB Visual Arts	10	10-11	F	0705			•		
0727 A/B	IB Visual Arts SL	10	11-12	F	0706			•		
0728 A/B	IB Visual Arts HL I	10	11	F	0706			•		
0729 A/B	IB Visual Arts HL II	10	12	F	0728			•		
BUSINESS										
0500	Personal Finance	5	9-12	FL			•	•	•	•
0501	International Business	5	10-12				•	•	•	•
0502 A/B	Accounting I	10	10-12					•	•	•
0503 A/B	Accounting II	10	11-12		0502			•	•	•
0504	Keyboarding and Input Technology	5	9-12					•	•	•
0506	Computer Technology Applications	5	9-12	T			•	•	•	•
0507	Business Communications	5	11-12					•	•	•
0508 A/B	Business Procedures and Technology	10	10-12		0504†			•	•	•
0509 A/B	Business Procedures and Tech. Internship	10	11-12		0508†			•	•	•
0510	Business Law	5	11-12				•	•	•	•
0511 A/B	Fashion Marketing	10	11-12				•	•	•	•
0512 A/B	Marketing I	10	11-12					•	•	•
0513 A/B	Marketing II	10	11-12		0511 or 0512			•	•	•
0514 A/B	Marketing Internship	10	11-12		0513†			•	•	•
0519	Advanced Computer Technology Applications	5	9-12		0506			•	•	•
0540	Advanced Placement® Macroeconomics	5	11-12					•	•	•
0541	Advanced Placement® Microeconomics	5	11-12					•	•	•
COMPUTER SCIENCE										
0255	Introduction to Computer Science	5	9-12	T				•	•	•
0256	Computer Topics	5	9-12		0255			•	•	•
0258	Java Programming	5	9-12		0255			•	•	•
0257 A/B	Advanced Placement® Computer Science A	10	10-12		0258			•	•	•

T = Technology

F = Fine and Performing Arts

FL = Financial Literacy

† = See course descriptions for additional requirements.

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
ENGLISH LANGUAGE LEARNER (ELL)										
0989 A/B/C	ELL Basic Beginner	15	9-12		†				•	
0990 A/B/C	ELL Beginner	15	9-12		†				•	
0991 A/B	ELL Low Intermediate	10	9-12		†				•	
0992	ELL High Intermediate	5	9-12		†				•	
0993	ELL Advanced	5	9-12		†				•	
FAMILY AND CONSUMER SCIENCE										
0520	Interior Design	5	9-12				•	•	•	•
0533	Clothing, Textiles & Design	5	9-12					•	•	•
0522	Creative Textiles	5	9-12					•	•	•
0523	Foods for Today	5	9-12					•	•	•
0532	International Foods	5	9-12					•	•	•
0525	Culinary Skills	5	10-12					•	•	•
0526	Everyday Living	5	10-11	H			•	•	•	•
0527	Child Development	5	11-12	HR			•	•	•	•
0528	Adult Living	5	11-12	HR			•	•	•	•
INDUSTRIAL TECHNOLOGY										
Construction Pathway										
0654	Introduction to Carpentry	5	9-12					•	•	•
0657	Carpentry	5	9-12		0654			•	•	•
0658	Advanced Finish Carpentry	5	9-12		0657			•	•	•
0659	Construction and Management	5	9-12		0657			•	•	•
Engineering Pathway										
0662	Introduction to Engineering Design I	5	9-12	T				•	•	•
0663	Introduction to Engineering Design II	5	9-12		0662			•	•	•
0664	Principles of Engineering I	5	9-12		0663			•	•	•
0666	Principles of Engineering II	5	9-12		0664			•	•	•
0667	Digital Electronics I	5	10-12		0666			•	•	•
0668	Digital Electronics II	5	10-12		0667			•	•	•
0675	Civil Engineering and Architecture I	5	10-12		0663			•	•	•
0676	Civil Engineering and Architecture II	5	10-12		0675			•	•	•
0677	Engineering Design and Development I	5	11-12		0676			•	•	•
0678	Engineering Design and Development II	5	11-12		0677			•	•	•
Manufacturing Pathway										
0681	Introduction to Metalworking	5	9-12					•	•	•
0682	Machining Processes	5	9-12		0681			•	•	•
0683 A/B	Automated Manufacturing Technology I	10	9-12		0682			•	•	•
0684 A/B	Automated Manufacturing Technology II	10	9-12		0683			•	•	•
0685	Welding I	5	9-12		0681			•	•	•
0686	Welding II: Welding Applications	5	9-12		0685			•	•	•
Power, Energy and Mechanized Systems Pathway										
0690	Introduction to Power, Energy, and Mechanized	5	9-12					•	•	•
0691	Mechanical Systems Operations	5	9-12		0690			•	•	•
0692	Power Systems Design and Fabrication I	5	10-12		0691			•	•	•
0693	Power Systems Design and Fabrication II	5	10-12		0692			•	•	•
Stand-Alone Courses										
0613	Consumer Maintenance	5	9-12					•	•	•
0614	Computer-Aided Drafting	5	9-12				•	•	•	•

H = Health

HR = Human Resources

T = Technology

† = See course descriptions for additional requirements.

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
LANGUAGE ARTS										
0001 A/B	English 9	10	9			•	•	•	•	•
0059 A/B	English 9 Literacy Enrichment	10/10	9		†	•	•	•	•	•
0003 A/B	Honors English 9	10	9			•		•	•	•
0002 A/B	English 10	10	10		0001 or 0059	•	•	•	•	•
0060 A/B	English 10 Literacy Enrichment	10/10	10		†	•	•	•	•	•
0004 A/B	Honors English 10	10	10		0003	•		•	•	•
0007 A/B	English 11	10	11		0002 or 0060	•	•	•	•	•
0061 A/B	Literacy Enrichment	10	11		†		•	•	•	•
0047 A/B	AP English Language & Composition	10	11-12		0004 or 0007	•		•	•	•
0048 AB	AP English Literature & Composition	10	12		0004 or 0007	•		•	•	•
0016 A/B	IB English HL I	10	11		0004	•		•		
0017 A/B	IB English HL II	10	12		0016	•		•		
English Electives										
0067	Global Perspective Through Literature	5	12		0004 or 0007	•		•	•	•
0062	Literacy for Life I	5	12				•	•	•	•
0063	Literacy for Life II	5	12				•	•	•	•
0068	Contemporary Literature	5	11-12		0004 or 0007	•	•	•	•	•
0033	Creative Writing	5	11-12		0004 or 0007	•	•	•	•	•
0065	Literature and Film	5	11-12		0004 or 0007	•		•	•	•
0035	Research Methods	5	11-12		0004 or 0007	•		•	•	•
0069	21st Century Media Literacy	5	11-12		0004 or 0007			•	•	•
Oral Communications										
0020	Speech	5	9-12	OC		•	•	•	•	•
0021 A/B	Forensics	10	9-12	OC	†	•		•	•	•
0022	Debate I	5	9-12	OC		•		•	•	•
0023 A/B	Advanced Debate	10	10-12		0020, 0021 or			•	•	•
Drama										
0024	Drama I	5	9-12	F				•	•	•
0025	Drama II	5	9-12		0024			•	•	•
0026	Theatre Technology	5	9-12		0024 or 0039			•	•	•
0039	Theatre Appreciation	5	9-12	F				•	•	•
Journalism										
0064	Intro to Journalism	5	9-12					•	•	•
0066 A/B	Advanced Journalism (20 credits at WHS)	10	10-12		0064 or 0014†			•	•	•
0013 A/B	Yearbook (20 credits at WHS)	10	10-12		0064 or 0014†			•	•	•
0014	Intro to Photojournalism	5	9-12					•	•	
0073 A/B	IB Film SL	10	11-12					•		
0074 A/B	IB Film HL I	10	11					•		
0075 A/B	IB Film HL II	10	12		0074			•		

F = Fine and Performing Arts OC = Oral Communications

† = See course descriptions for additional requirements.

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
MATHEMATICS										
0203 A/B	Alg I: Foundations 1	10	9-10		+	•	•	•	•	•
0204 A/B	Alg I/Geo: Foundations 2	10	9-11		0203†	•	•	•	•	•
0211 A/B	Algebra I	10	9-12			•	•	•	•	•
0220 A/B	Geometry	10	9-12		0211	•	•	•	•	•
0221 A/B	Honors Geometry	10	9-12		0211	•		•	•	•
0234 A/B	Geo/Alg II: Foundations 3	10	10-12		0204	•	•	•	•	•
0237 A/B	Alg II: Foundations 4	10	11-12		0234†	•	•	•	•	•
0231 A/B	Algebra II	10	9-12		0220	•	•	•	•	•
0233 A/B	Honors Algebra II	10	9-12		0221	•		•	•	•
0236 A/B	College Prep Mathematics	10	11-12		0231	•		•	•	•
0238 A/B	Precalculus	10	10-12		0231	•		•	•	•
0239 A/B	Honors Precalculus	10	10-12		0233	•		•	•	•
0243 A/B	Advanced Placement® Statistics	10	10-12		0243	•		•	•	•
0245 A/B	IB Mathematics HL I	10	11		0231, 0239	•		•		
0246 A/B	IB Mathematics HL II	10	12		0246	•		•		
0247 A/B	IB Mathematical Studies SL	10	11-12		0233	•		•		
0248 A/B	IB Mathematics SL	10	11-12		0233	•		•		
0252 A/B	Advanced Placement® Calculus AB	10	11-12		0231	•		•	•	•
0253 A/B	Advanced Placement® Calculus BC	10	11-12		0239	•		•	•	•
0254 A/B	Calculus III/Differential Equations	10	11-12		0253	•			•	
MUSIC										
0732	Marching Band	5	9-12	F	+			•	•	•
0733	Concert Band	5	9-12	F	+			•	•	•
0734	Symphonic Band	5	9-12	F	+			•	•	•
0735	Wind Ensemble	5	9-12	F	+			•	•	•
0736	Philharmonic Orchestra	10	9	F	+			•	•	•
0737	Symphony Orchestra	10	10-12	F	+			•	•	•
0756	Voce	10	9-12	F	+			•	•	•
0757	Cantori	10	9-12	F	+			•	•	•
0758	Singers	10	9-12	F	+			•	•	•
0746	Contemporary Ensemble	5	9-12	F	+			•	•	
0798	Music Theory	5	9-12	F				•	•	•
0799	Advanced Placement® Music Theory	5	11-12	F	0798			•	•	•
0747	Music Connections	5	9-12	F	+			•	•	•
0767 A/B	IB Music SL-Band	10	11-12	F				•		
0768 A/B	IB Music SL-Chorus	10	11-12	F				•		
0769 A/B	IB Music SL-Orchestra	10	11-12	F				•		

F = Fine and Performing Arts

† = See course descriptions for additional requirements.

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
PHYSICAL EDUCATION										
0800	Sports Skills and Fitness	5	9-10	PE			•	•	•	•
0801	Cross Training I	5	9-12	PE			•	•	•	•
0802	Cross Training II	5	9-12	PE	0801		•	•	•	•
0803	Lifetime Fitness	5	11-12	PE			•	•	•	•
0805	Weight Training I	5	10-12	PE			•	•	•	•
0806	Weight Training II	5	11-12	PE	0805		•	•	•	•
0808	Introduction to Aquatics	5	9-12	PE	†		•	•	•	•
0809	Lifeguard Training	5	10-12	PE	†		•	•	•	•
0810	Fitness Swimming	5	9-12	PE	†		•	•	•	•
0814	Athletic Training & Sports Injury	5	9-12		†				•	•
0815 A/B	Athletic Training & Sports Injuries Internship	10	11-12		†				•	•
0816	Advanced Performance	5	11-12	PE	†				•	•
0817	Sport Officiating	5	10-12	PE					•	•
SCIENCE										
0321 A/B	Introduction to IB Chemistry & IB Physics	10	10		0327	•		•		
0327 A/B	Biology	10	9			•	•	•	•	•
0328	Physical Science: Chemistry	5	10-11	*		•	•	•	•	•
0329	Physical Science: Physics	5	10-11	**		•	•	•	•	•
0333	Zoology	5	10-12		0327	•	•	•	•	•
0334 A/B	Chemistry	10	10-11	*	0211	•	•	•	•	•
0335	Astronomy	5	10-12			•	•	•	•	•
0346	Environmental Science	5	10-12		0327	•	•	•	•	•
0347	Advanced Placement® Environmental Science	5	11-12		0327	•		•	•	•
0352 A/B	Physics	10	10-11	**		•		•	•	•
0362 A/B	Human Physiology	10	10-12		0327	•		•	•	•
0370 A/B	Advanced Placement® Chemistry	10	11-12		0231†	•		•	•	•
0371 A/B	IB Chemistry HL I	10	11		0321†	•		•		
0372 A/B	IB Chemistry HL II	10	12		0371	•		•		
0375 A/B	IB Biology SL	10	11-12		0334	•		•		
0376 A/B	IB Biologh HL I	10	11		0334	•		•		
0377 A/B	Advanced Placement® Biology	10	11-12		0327, 0334	•		•	•	•
0378 A/B	IB Biology HL II	10	12		0377	•		•		
0383	Advanced Placement® Physics 1: Algebra-Based	10	11-12		0352/0231 or 0233	•		•	•	•
0380 A/B	IB Physics SL	10	11-12		0321†	•		•		
0381 A/B	IB Physics HL I	10	11			•		•		
0382 A/B	IB Physics HL II	10	12			•		•		

PE = Physical Education

† = See course descriptions for additional requirements.

* (0334) Chemistry OR (0328) Physical Science: Chemistry

** (0352) Physics OR (0329) Physical Science: Physics

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
SOCIAL STUDIES										
0408	World Geography - Class of 2018 and Beyond	5	9			•	•	•	•	•
0412 A/B	World Geography - Classes of 2015, 2016, 2017	10	10-12			•	•	•	•	•
0414	United States Government & Economics	5	11-12			•	•	•	•	•
0415	AP United States Government & Politics	5	11-12			•	•	•	•	•
0418 A/B	IB 20 th Century World History Topics SL/HL I	10	11-12			•	•	•	•	•
0420 A/B	World History	10	10-12			•	•	•	•	•
0424	AP World History	10	10-12			•	•	•	•	•
0422	World Religions	5	10-12			•	•	•	•	•
0425	Human Diversity	5	9-12	HR		•	•	•	•	•
0426	International Relations	5	9-12	HR		•	•	•	•	•
0430	Introduction to Behavioral Sciences	5	9-12	HR		•	•	•	•	•
0431	Sociology	5	11-12	HR		•	•	•	•	•
0432	Psychology	5	11-12	HR		•	•	•	•	•
0433 A/B	IB Psychology SL	10	11-12	HR		•	•	•	•	•
0442	Law Studies	5	11-12			•	•	•	•	•
0449	United States History	10	11-12			•	•	•	•	•
0450 A/B	AP United States History	10	11-12			•	•	•	•	•
0451 A/B	AP European History	10	10-12			•	•	•	•	•
0453	AP Psychology	5	11-12	HR	0432	•	•	•	•	•
0455 A/B	IB History of the Americas HL II	10	12		0418	•	•	•	•	•
0456 A/B	AP Human Geography	10	9-12		†	•	•	•	•	•
0457	AP Comparative Government and Politics	5	11-12			•	•	•	•	•
SPECIAL EDUCATION										
0900 A/B	Fundamental English	10	9-12		†			•	•	•
0903 A/B	Essentials of English 11	10	11		†			•	•	•
0908 A/B	Fundamental Reading	10	9-12		†			•	•	•
0920 A/B	Fundamental Math	10	9-12		†			•	•	•
0930 A/B	Fundamental Science	10	9-12		†			•	•	•
0932 A/B	Essentials of Biology	10	9		†			•	•	•
0933	Essentials of Human Physiology I	5	11-12		†			•	•	•
0934	Essentials of Human Physiology II	5	11-12		†			•	•	•
0935	Essentials of Environmental Science	5	11-12		†			•	•	•
0936	Essentials of Physical Science: Chemistry	5	10-11		†			•	•	•
0937	Essentials of Physical Science: Physics	5	10-11		†			•	•	•
0940 A/B	Fundamental Social Studies	10	9-12		†			•	•	•
0941 A/B	Essentials of American History (Since 1914)	10	9		†			•	•	•
0942 A/B	Essentials of World Geography - Classes of 2015, 2016, 2017	10	10		†			•	•	•
0944	Essentials of United States Government & Economics	5	12		†			•	•	•
0946	Essentials of World Geography - Class of 2018	5	9		†			•	•	•
0947	Essentials of Human Diversity	5	9-12		†			•	•	•
0948	Essentials of World History	10	10		†			•	•	•
0949	Essentials of United States History - Class of 2018 and Beyond	10	11-12		†			•	•	•
0945	Employability Skills	5	11-12		†			•	•	•
0950	Fundamental Daily Living	5	10-12		†			•	•	•
0951	Fundamental Independent Living	5	9-12		†			•	•	•
0970	Fundamental Technology	5	9-12		†			•	•	•
0971 A/B	Fundamental Prevocational Skills	10	9-12		†			•	•	•
0960	Fundamental Personal Finance	5	9-12		†			•	•	•
0973	Work Introduction Network I	5	9-12		†			•	•	•
0974	Work Introduction Network II	5	9-12		†			•	•	•

HR = Human Resources

† = See course descriptions for additional requirements.

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
WORLD LANGUAGE										
0112 A/B	German I	10	9-12					•	•	•
0113 A/B	German II	10	9-12		0112			•	•	•
0114 A/B	Honors German II	10	9-12		0112			•	•	•
0115 A/B	German III	10	10-12		0113			•	•	•
0116 A/B	Honors German III	10	10-12		0114			•	•	•
0117 A/B	German IV	10	11-12		0115			•	•	•
0118 A/B	Honors German IV	10	11-12		0116			•	•	•
0119 A/B	Advanced Placement® German Language	10	12		0118			•	•	•
0120 A/B	IB German B SL	10	12		0118			•		
0132 A/B	French I	10	9-12					•	•	•
0133 A/B	French II	10	9-12		0132			•	•	•
0134 A/B	Honors French II	10	9-12		0132			•	•	•
0135 A/B	French III	10	10-12		0133			•	•	•
0136 A/B	Honors French III	10	10-12		0134			•	•	•
0137 A/B	French IV	10	11-12		0135			•	•	•
0138 A/B	Honors French IV	10	11-12		0136			•	•	•
0139 A/B	Advanced Placement® French Language	10	12		0137			•	•	•
0140 A/B	IB French B SL	10	12		0138			•		
0152 A/B	Spanish I	10	9-12				•	•	•	•
0153 A/B	Spanish II	10	9-12		0152		•	•	•	•
0154 A/B	Honors Spanish II	10	9-12		0152			•	•	•
0155 A/B	Spanish III	10	10-12		0153			•	•	•
0156 A/B	Honors Spanish III	10	10-12		0154			•	•	•
0157 A/B	Spanish IV	10	11-12		0155			•	•	•
0158 A/B	Honors Spanish IV	10	11-12		0156			•	•	•
0159 A/B	Advanced Placement® Spanish Language & Culture	10	12		0158			•	•	•
0160 A/B	IB Spanish B SL	10	12		0158			•		
0171 A/B	IB Spanish A2 HL	10	12					•		
0161 A/B	IB Latin SL	10	12		0164			•		
0162 A/B	Latin I	10	9-12					•		•
0163 A/B	Latin II	10	10-12		0162			•		•
0164 A/B	Latin III	10	11-12		0163			•		•
0172 A/B	Advanced Placement® Latin	10	12		0164			•		
0166 A/B	Japanese I	10	9-12					•		
0167 A/B	Japanese II	10	10-12		0166			•		
0168 A/B	Japanese III	10	11-12		0167			•		
0170 A/B	Advanced Placement® Japanese Lang. & Culture	10	12		0168			•		

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Dual Enrollment Credit	
ACADEMIES IN MILLARD HIGH SCHOOLS								
Culinary Skills Academy								
0007 A/B	English 11	10	11	•	Application	•	M	This academy is located at Horizon High. Application is open to all Millard students.
ACS01	Culinary Orientation Seminar	10	11				M	
ACS05	Culinary Foundations	10	11				M	
ACS10	Vegetable, Starch & Protein Cookery	5	11				M	
ACS15	Soup and Sauce Cookery	5	11				M	
ACS20	Baking Seminar	20	12				M	
ACS25	Cakes	5	12				M	
ACS30	Spanish for Culinary Professionals	5	12				M	
ACS35	Culinary Internship I	5	12					
ACS40	Culinary Internship II	5	12					
Distribution and Logistics Management								
0007 A/B	English 11	10	11	•	Application	•	M	This academy is located at Horizon High. Application is open to all Millard students.
ATD60	College Composition & Research	5	12	EE		•	M	
ATD10	Introduction to Business	5	11				M	
ATD01	Intro. Transportation, Distribution & Logistics	5	11				M	
ATD05	Industrial Safety and Health	5	11				M	
ATD15	Introduction to Distribution	5	11				M	
ATD20	Principles of Marketing	5	11				M	
ATD25	Principles of Management	5	11				M	
ATD30	Mechanical Print Reading	5	12				M	
ATD35	Business Logistics	5	12				M	
ATD40	Purchasing and Material Management	5	12				M	
ATD50	Production & Operations Management	5	12				M	
ATD55	Distribution and Logistics Management Internship	10	12					
ATD65	Radio Frequency Identification	5	12				M	
Education Academy								
0007 A/B	English 11	10	11	•	Application	•	M	This academy is located at West High. Application is open to all Millard students.
0527	Child Development	5	11	HR			M	
AED01	Child Development Pre-Practicum	5	11				M	
AED05	College Composition and Research	5	12	EE		•	M	
AED10	Introduction to Professional Education	5	11				O	
AED15	Education Seminar I	5	11					
0422	World Religions	5	11				O	
AED20	Behavior Modifications & Principles of Learning	5	12				M	
0453	Advanced Placement® Psychology	5	12			•	O	
AED25	Introduction to Communication Disorders	5	12				O	
AED30	Best Practices in Education	5	12					
AED35	Professional Speaking	5	11	OC		•	M	
AED40	Education Seminar II	5	12					
AED45	Education Seminar III	5	12					
AED50	Education Practicum	5	12					

HR = Human Resources
O = UNO

OC = Oral Communications
M = Metropolitan Community College

EE = English Elective

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Dual Enrollment Credit	
ACADEMIES IN MILLARD HIGH SCHOOLS								
	Entrepreneurship Academy				Application			
0007 A/B	English 11	10	11	•		•	M	This academy is located at South High. Application is open to all Millard students.
AEN01 A/B	College Accounting I	10	11				M	
AEN05	Wealth Building and Personal Finance	5	11	FL			M	
AEN10	Introduction to Business	5	11				O	
AEN20	Introduction to Entrepreneurship	5	11				M	
AEN25	Legal Issues for the Entrepreneur	5	11				M	
AEN30	Entrepreneurship Feasibility Study	5	12				M	
0541	Advanced Placement [®] Microeconomics	5	12				O	
AEN15	College Accounting II	5	12				M	
AEN40	Marketing for the Entrepreneur	5	12				M	
AEN45 A/B	Entrepreneurship Seminar and Internship	15	12				M	
0540	Advanced Placement [®] Macroeconomics	5	12				O	
	Health Sciences Academy				Application			
0453	Advanced Placement [®] Psychology	5	12			•		This academy is located at Horizon High. Application is open to all Millard students.
AHS01	Human Anatomy and Physiology	10	11	SE		•	M	
AHS05	Medical Terminology I	5	11				M	
AHS10	Medical Terminology II	5	11				M	
AHS15	Health Sciences Orientation Seminar	5	11				M	
AHS20	Introduction to Medical Law and Ethics	5	11				M	
AHS25	Nutrition in the Life Cycle	5	11				M	
AHS30	Disease Processes	5	11	SE		•	M	
AHS35	Long Term Care/Certified Nursing Assistant	10	12				M	
AHS40	Genetics	5	12	SE		•	M	
AHS45	Emergency Medical Technician-Basic	10	12				M	
AHS50	Health Sciences Internship	10	12					

SE = Science Elective

FL = Financial Literacy

M = Metropolitan Community College

O = UNO

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
ADVANCED PLACEMENT®										
0047 A/B	AP English Language & Composition	10	11-12		0004-0007	•		•	•	•
0048 A/B	AP English Literature & Composition	10	12		0004-0007	•		•	•	•
0119 A/B	AP German Language	10	12		0118			•	•	•
0139 A/B	AP French Language	10	12		0137			•	•	•
0159 A/B	AP Spanish Language	10	12		0158			•	•	•
0170 A/B	AP Japanese Language & Culture	10	12		0168			•		
0172 A/B	AP Latin	10	11-12		0164			•		
0243 A/B	AP Statistics	10	10-12		0243	•		•	•	•
0252 A/B	AP Calculus AB	10	11-12		0231	•		•	•	•
0253 A/B	AP Calculus BC	10	11-12		0239	•		•	•	•
0257 A/B	AP Computer Science A	10	10-12		0258			•	•	•
0347	AP Environmental Science	5	11-12		0327	•		•	•	•
0370 A/B	AP Chemistry	10	11-12		0231 †	•		•	•	•
0377 A/B	AP Biology	10	11-12		0327, 0334	•		•	•	•
0383	AP Physics 1: Algebra-Based	10	11-12		0352	•		•	•	•
0415	AP United States Government & Politics	5	11-12			•		•	•	•
0424	AP World History	10	10-12			•		•	•	•
0450 A/B	AP United States History	10	11-12			•		•	•	•
0451 A/B	AP European History	10	11-12			•		•	•	•
0453	AP Psychology	5	11-12	HR	0432	•		•	•	•
0456 A/B	AP Human Geography	10	10-12		0412 †	•		•	•	•
0457	AP Comparative Government and Politics	5	11-12			•		•	•	•
0540	AP Macroeconomics	5	11-12					•	•	•
0541	AP Microeconomics	5	11-12					•	•	•
0799	AP Music Theory	5	11-12	F	0798			•	•	•
INFORMATION TECHNOLOGY (IT) MINI-MAGNET PROGRAM										
0255 A/B	Introduction to Computer Science	5	9-12						•	
0256 A/B	Computer Topics	5	9-12						•	
0258	Java Programming	5	9-12						•	
0257 A/B	Advanced Placement® Computer Science A	10	9-12						•	
0506	Computer Technology Applications	5	9-12						•	
0519	Advanced Computer Technology Applications	5	10-12		0506				•	
0650	Introduction to Graphics Communication	5	9-12	T					•	
0651	Foundations of Computer Graphics	10	10-12		0650				•	
0652 A/B	Advanced Computer Graphics	10	11-12		0651				•	
0655	Foundations of Visual Graphics	5	10-12		0650				•	
0656	Advanced Visual Graphics	5	10-12		0655				•	
0985 A/B	STARS	10	11-12		†				•	
0987 A/B	STARS Internship	10	11-12		0985 †				•	

HR = Human Resources

T = Technology

F = Fine and Performing Arts

† = See course descriptions for additional requirements.

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Page Number
INTERNATIONAL BACCALAUREATE MIDDLE YEARS PROGRAMME							
0001 A/B	English 9	10	9			•	44
0002 A/B	English 10	10	10			•	44
0003 A/B	Honors English 9	10	9			•	44
0004 A/B	Honors English 10	10	10		0003	•	44
0014	Intro to Photojournalism	5	9-12				45
0021 A/B	Forensics	10	9-12	OC			45
0059 A/B	English 9 Literacy Enrichment	10	9				47
0060 A/B	English 10 Literacy Enrichment	10	10				47
0064	Intro to Journalism	5	9-12	F			48
0112 A/B	German I	10	9-12				82
0113 A/B	German II	10	9-12		0112		82
0114 A/B	Honors German II	10	9-12		0112		82
0115 A/B	Honors German III	10	10-12		0113		82
0132 A/B	French I	10	9-12				83
0133 A/B	French II	10	9-12		0132		83
0134 A/B	Honors French II	10	9-12		0132		83
0136 A/B	Honors French III	10	10-12		0134		83
0152 A/B	Spanish I	10	9-12				84
0153 A/B	Spanish II	10	9-12		0152		84
0154 A/B	Honors Spanish II	10	9-12		0152		84
0156 A/B	Honors Spanish III	10	10-12		0154		84
0162 A/B	Latin I	10	9-12				86
0163 A/B	Latin II	10	10-12		0162		86
0203 A/B	Alg I: Foundations 1	10	9-10				51
0204 A/B	Alg I/Geo: Foundations 2	10	9-11				52
0211 A/B	Algebra I	10	9-12			•	52
0220 A/B	Geometry	10	9-12		0211	•	52
0221 A/B	Honors Geometry	10	9-12		0211	•	52
0231 A/B	Algebra II	10	9-12		0220	•	52
0233 A/B	Honors Algebra II	10	9-12		0221	•	52
0238 A/B	Precalculus	10	10-12		0231	•	53
0239 A/B	Honors Precalculus	10	10-12		0233	•	53
0506	Computer Technology Applications	5	9-12	T			27
0321 A/B	Introduction to IB Chemistry & IB Physics	10	10		0327	•	65
0327 A/B	Biology	10	9-12			•	66
0328	Physical Science: Chemistry	5	10-11			•	66
0329	Physical Science: Physics	5	10-11			•	66
0334 A/B	Chemistry	10	10-12		0211	•	66
0352 A/B	Physics	10	10-12			•	66
0456	AP Human Geography	10	9-12			•	74
0408	World Geography - Class of 2018 and Beyond	5	9			•	71
0412	World Geography - Classes of 2015 - 2017	10	10-12			•	71
0662	Introduction to Engineering Design I	5	9-12				39
0705	Art Foundations	5	9-12	F			23
0706 A/B	Introduction to IB Visual Arts	10	10-11	F	0705		23
0720	Drawing	5	10-12	F	0705		23
0722	Painting	5	10-12	F	0705		23
0740	Color and Design	5	9-12	F			22
0732	Marching Band	5	9-12	F			56
0733	Concert Band	5	9-12	F			56
0734	Symphonic Band	5	9-12	F			57
0735	Wind Ensemble	5	9-12	F			57
0736	Philharmonic Orchestra	10	9	F			57
0737	Symphony Orchestra	10	10-12	F			57
0756	Voce	10	9-12	F			57
0757	Cantori	10	9-12	F			57
0758	Singers	10	9-12	F			57
0746	Contemporary Ensemble	10	9-12	F			58
0747	Music Connections	5	9-12	F			58
0800	Sports Skills and Fitness	5	9-10				60
0801	Cross Training I	5	9-12				61
0808	Introduction to Aquatics	5	9-12				62
0810	Fitness Swimming	5	9-12				63

OC = Oral Communications

T = Technology

F = Fine and Performing Arts

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	*Page Number
INTERNATIONAL BACCALAUREATE DIPLOMA PROGRAMME							
0016 A/B	IB English HL I	10	11		0003, 0004	•	45
0017 A/B	IB English HL II	10	12		0016 †	•	45
0120 A/B	IB German B SL	10	12		0118		83
0140 A/B	IB French B SL	10	12		0138		84
0160 A/B	IB Spanish B SL	10	12		0158		85
0161 A/B	IB Latin SL	10	12		0164		85
0245 A/B	IB Mathematics HL I	10	11		0239	•	53
0246 A/B	IB Mathematics HL II	10	12		0245	•	53
0247 A/B	IB Mathematical Studies SL	10	11-12		0233	•	53
0248 A/B	IB Mathematics SL	10	11-12		0231	•	53
0371 A/B	IB Chemistry HL I	10	11			•	67
0372 A/B	IB Chemistry HL II	10	12			•	67
0375 A/B	IB Biology SL	10	11-12			•	67
0376 A/B	IB Biology HL I	10	11			•	68
0378 A/B	IB Biology HL II	10	12			•	68
0380 A/B	IB Physics SL	10	11-12		0321 †	•	68
0381 A/B	IB Physics HL I	10	11			•	68
0382 A/B	IB Physics HL II	10	12			•	68
0418 A/B	IB 20 th Century World History Topics SL/HL	10	11-12			•	72
0433 A/B	IB Psychology SL	10	11-12			•	73
0455 A/B	IB History of the Americas HL II	10	12		0418	•	74
0727 A/B	IB Visual Arts SL	10	11-12		0706		24
0728 A/B	IB Visual Arts HL I	10	11	F	0706		24
0729 A/B	IB Visual Arts HL II	10	12		0728		24
0767 A/B	IB Music SL Band	10	11-12	F			58
0768 A/B	IB Music SL Chorus	10	11-12	F			58
0769 A/B	IB Music SL Orchestra	10	11-12	F			58
0850 A	IB Theory of Knowledge I	5	11	HR			118
0851 A	IB Theory of Knowledge II	5	12	HR			118
0073 A/B	IB Film SL	10	11-12				49
0074 A/B	IB Film HL I	10	11				49
0075 A/B	IB Film HL II	10	12		0074		49

HR = Human Resources

F = Fine and Performing Arts

† = See course descriptions for additional requirements.

Course	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	Horizon High School	North High School	South High School	West High School
ACADEMIES AT METROPOLITAN COMMUNITY COLLEGE										
0835 A/B/C/D	Theatre Technology Apprenticeship-Year 1	20	11-12				These academies are located at a Metropolitan Community College campus. Participation is open to all Millard students.			
0835 A/B/C/D	Theatre Technology Apprenticeship-Year 2	20	11-12							
0837 A/B/C/D	Auto Collision Technology-Year 1	10	11-12							
0837 A/B/C/D	Auto Collision Technology-Year 2	10	11-12							
0838 A/B/C/D	Automotive Technology-Year 1	10	11-12							
0838 A/B/C/D	Automotive Technology-Year 2	10	11-12							
0842 A/B/C/D	Criminal Justice	10	11-12							
0843 A/B/C/D	Electrical Technology-Year 1	15	11-12							
0843 A/B/C/D	Electrical Technology-Year 2	10	11-12							
0845 A/B/C/D	Diesel Technology	10	11-12							
0845 A/B/C/D	Diesel Technology-Year 2	10	11-12							
0852 A/B/C/D	Welding Technology I-Year 1	10	11-12							
0853 A/B/C/D	Welding Technology-Year 2	10	11-12							
0854 A/B/C/D	Digital Cinema/Filmmaking	10	11-12							
OTHER PROGRAMS										
---	ELO Reteaching Courses	5					•	•	•	•
---	Independent Study Courses	5 or 10						•	•	•

MILLARD HIGH SCHOOL CREDIT COUNT
Class of 2015, 2016, 2017

Language Arts: English	40 Cr	9-A	9-B	10-A	10-B	11-A	11-B	Additional English	Oral C Speech Debate Forensics	University Requirement

Math	30 Cr	220+	220+	Additional Math	Additional Math	University Requirement	University Requirement

Science	30 Cr	Biology A	Biology B	Additional Science	Additional Science

Social Studies	30 Cr	Am. Hist. 9-A	Am. Hist. 9-B	World Geo 10-A Or IB Students Only: 20 th Cen.	World Geo 10-B Or American Studies	US Gov't & Economics Seniors Only

Human Resource	5 Cr	Psychology	Child Dev
		Sociology IBS Human Diversity International Relations	Adult Living IB Psychology IB TOK (IB Students Only)

Electives – 60 Credits	

Health Phys. Ed.	5 Cr 15 Cr	PE-9	PE-10	PE 11/12	Everyday Living

Tech Ed	5 Cr	Computer Tech. Applications
		Foundations of Technology (before 2011) Introduction to Computer Science Introduction to Engineering Design I Information Technology Magnet Courses

Financial Literacy	5 Cr	Personal Finance
		Wealth Building and Personal Finance

Completed	<input checked="" type="checkbox"/>
In Progress	<input checked="" type="checkbox"/>
Remaining	<input type="checkbox"/>

Fine & Performing Arts	5 Cr	Any Art course
		Any Music course Drama I Theater Appreciation

Total Credits Earned (Cumulative)
9 _____
10 _____
11 _____
12 _____
(need 230)

ELO Assessments	Cutscore Met
Reading 9	<input type="checkbox"/>
Writing 10	<input type="checkbox"/>
Math 10	<input type="checkbox"/>
Science 11	<input type="checkbox"/>
Social Studies 11	<input type="checkbox"/>

PLP Completed	<input type="checkbox"/>
---------------	--------------------------

- ◆ Students are responsible for determining courses that will satisfy specific university/college admission requirements.
- ◆ Students may need 20 credits of the same World Language to gain entrance into most universities.
- ◆ Students must earn 230 credits, meet District ELO Assessment cutscores, and successfully complete a Personal Learning Plan (PLP) to graduate.

❖ Dotted boxes count as elective credits.

MILLARD HIGH SCHOOL CREDIT COUNT

Class of 2018 and Beyond

Language Arts: English	40 Cr In										Oral C. Speech Debate Forensics Pro Speaking	University Requirement
		9-A	9-B	10-A	10-B	11-A	11-B	Additional English				

Math												
				220+	220+	Additional Math	Additional Math	University Requirement	University Requirement			

Science	30 Cr										
		Biology A	Biology B			Additional Science	Additional Science				

Social Studies	30 Cr									
		World Geo.	World History A	World History B	U.S. History A	U.S. History B	U.S. Gov't & Economics			

Human Resource	5 Cr	Psychology		Child Dev.	
		Sociology		Adult Living	
		IBS		IB Psychology	
		Human Diversity		IB TOK (IB Students Only)	
		International Relations			

Electives – 60 Credits	
	<input type="checkbox"/>
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	<input type="checkbox"/>

Health	5 Cr				
		PE-9	PE-10	PE 11/12	Everyday Living

Tech Ed	5 Cr	Computer Tech. Applications		
		Foundations of Technology		
		Introduction to Computer Science		
		Introduction to Engineering Design I		
		Information Technology Magnet Courses		

Financial Literacy	5 Cr		
		Personal Finance Wealth Building and Personal Finance	

Completed	<input checked="" type="checkbox"/>
In Progress	<input type="checkbox"/>
Remaining	<input type="checkbox"/>

Fine & Performing Arts	5 Cr		
		Any Art course Any Music course Drama I Theater Appreciation	

Total Credits Earned (Cumulative)
9 _____
10 _____
11 _____
12 _____
(need 230)

District Assessments	Metric Met
Explore 9	<input type="checkbox"/>
Writing 10	<input type="checkbox"/>
PLAN 10	<input type="checkbox"/>
ACT	<input type="checkbox"/>

PLP Completed	<input type="checkbox"/>
---------------	--------------------------

- ◆ Students are responsible for determining courses that will satisfy specific university/college admission requirements.
- ◆ Students may need 20 credits of the same World Language to gain entrance into most universities.
- ◆ Students must earn 230 credits, meet District Assessment criteria and successfully complete a Personal Learning Plan (PLP) to graduate.
- ❖ Dotted boxes count as elective credits.

1870



2014

AGENDA SUMMARY SHEET

AGENDA ITEM: Professional Services Contract for Mueller Robak LLC

MEETING DATE: November 18, 2013

DEPARTMENT: Office of the Superintendent

TITLE AND BRIEF DESCRIPTION: Professional Services Contract for Mueller Robak LLC

ACTION DESIRED: APPROVAL XX DISCUSSION _____ INFORMATION _____

BACKGROUND:

The attached contract is for profession services from the lobbying firm of Mueller Robak LLC.

The terms of this contract are the same as past contracts and the dollar amount has not changed since 2009.

OPTIONS AND ALTERNATIVES CONSIDERED: None

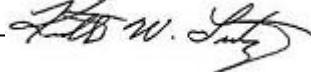
RECOMMENDATION: Approve the professional services contract with Mueller Robak LLC.

STRATEGIC PLAN REFERENCE: Operational strategy

IMPLICATIONS OF ADOPTION OR REJECTION:

TIMELINE:

RESPONSIBLE PERSON: Angelo Passarelli

SUPERINTENDENT'S APPROVAL: _____  _____

BOARD ACTION:

PROFESSIONAL SERVICES CONTRACT

THIS CONTRACT is made by and between Millard Public Schools, hereinafter referred to as Principal and the lobbying firm of Mueller Robak LLC, 530 South 13th Street, Suite 110, Lincoln, Nebraska 68508 hereinafter referred to as Lobbyist.

WITNESSETH, that Principal and Lobbyist for the consideration hereinafter named agree as follows:

ARTICLE I

Lobbyist shall undertake the professional representation of the legislative interests of Principal before the Nebraska State Legislature during the period January 1, 2014 through December 31, 2014. Any special session convened during the term of this Contract is expressly excluded from this Contract. Lobbyist shall use its best efforts in the performance of this Contract, and shall devote such time, personnel, and resources in the performance of such Contract as in Lobbyist's reasonable judgment will provide the highest probability of success. It is mutually understood and agreed that Lobbyist cannot and does not either expressly or impliedly guarantee or warrant the result of its efforts. It is understood and agreed that Principal is retaining Lobbyist to provide lobbying services and not legal services and no attorney-client relationship is created hereunder between the Parties.

ARTICLE II

It is agreed that representation under this Contract involves monitoring and actively lobbying legislative bills and resolutions introduced in the Nebraska Legislature of interest to Principal. Lobbyist will read all legislative bills and resolutions. Lobbyist will monitor the activities of the Legislature and be generally aware of legislative issues of interest to Principal. Lobbyist will provide copies of bills to Principal which Lobbyist has identified as being of possible interest to Principal and Lobbyist will inform Principal as to their status in the legislative process. Lobbyist will be available to report to Principal by telephone, in writing or in person upon reasonable request. Lobbyist will be available for advice and consultation to Principal on relevant legislative issues pending before the Nebraska Legislature.

If extraordinary lobbying time and effort is required during the legislative session or in the interim, the parties shall negotiate a supplemental fee for the additional time and effort involved.

ARTICLE III

Principal shall pay to Lobbyist the fixed fee of \$50,000.00, payable in four (4) equal installments of \$12,500.00 each payable on January 5, April 5, July 5, and October 5, 2014. Incidental expenses, including lobbyist registration fees and reasonable entertainment expenses, shall also be payable by Principal and will be billed separately to Principal. The payments authorized under this agreement will be applied to the payment of the Principal's account and are earned upon receipt. In the event this contract is terminated during the legislative session, Lobbyist shall be entitled to a pro rata portion of the fixed fee based on the number of legislative days of the session which have transpired prior to the date of termination. If the Contract is terminated after the legislative session concludes, Lobbyist shall be entitled to the entire fixed fee provided in this contract.

ARTICLE IV

It is understood that Lobbyist shall not be deemed an employee, agent, partner or joint venturer of Principal, but is acting solely as an independent contractor for all purposes and at all times. Principal acknowledges that Lobbyist has now and may hereafter acquire other clients for whom Lobbyist provides lobbying services and that the services of Lobbyist are not exclusive to Principal.

ARTICLE V

Principal recognizes that Lobbyist is engaged in the business of lobbying for a number of clients. From time to time an issue of legislative concern may affect more than one of Lobbyist's clients. Principal and Lobbyist further recognize that the legislative interests of Principal and other clients of Lobbyist may not always be compatible. Any conflict of interest which arises with respect to any legislative issue will be brought to the attention of all affected clients by Lobbyist and will be resolved in the following manner: (1) An attempt will be made to resolve or compromise the conflict between clients. Such a compromise must be agreed to by all affected clients; (2) If a client elects to withdraw the conflicting issue from its legislative program, the conflict of interest will be considered resolved; (3) If a conflict is not resolved by a client's withdrawal of the issue or mutual compromise of the conflicting points of view, Lobbyist shall continue to represent, on the conflicting issue, only the legislative interests of the client which has had Mueller Robak LLC or one or more of its current or past lobbyists as a registered lobbyist for the longest continuous period of time. In this

circumstance, Principal agrees that it will not object in any manner to this continued representation. For purposes of this article, client includes any parent, subsidiary or affiliated entity of such client.

ARTICLE VI

Principal and Lobbyist shall comply, at their expense, with all applicable federal and state laws, regulations and executive orders relating to lobbyists. Lobbyists will be available to discuss accountability procedures in order that Principal complies with all accountability laws, regulations and executive orders. However, the responsibility to comply with the laws of the State of Nebraska relating to Principal remains with Principal.

ARTICLE VII

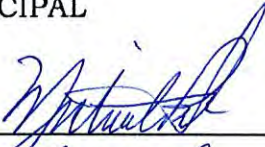
This Contract constitutes the entire agreement between Principal and Lobbyist with respect to the subject matter hereof and shall not be amended or modified without specific written provision to that effect, signed by all parties. No oral agreement of any person whomsoever shall, in any manner or degree, modify or otherwise affect the terms and provisions of this Agreement.

IN WITNESS WHEREOF, the parties hereto have caused this Contract to be executed by their respective duly authorized representatives on this 26 day of November, 2013.

MILLARD PUBLIC SCHOOLS
PRINCIPAL

By: _____

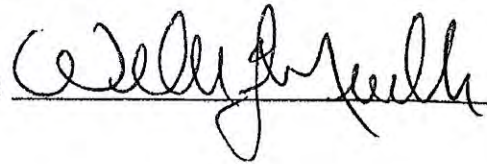
Title: _____



Board President

MUELLER ROBAK LLC
LOBBYIST

By: _____



AGENDA SUMMARY SHEET

AGENDA ITEM: Approval of Schematic Design for Ackerman Elementary School

MEETING DATE: November 18, 2013

DEPARTMENT: General Administration

TITLE & BRIEF DESCRIPTION: Approval of Schematic Design for Ackerman Elementary School – the first step in the construction project for Ackerman Elementary.

ACTION DESIRED: Approval x Discussion Information Only

BACKGROUND: The progressive steps for construction projects are as follows:

1. Schematic Design (SD) *
 - “30 thousand feet view” – initial design and cost estimates
2. Design Development (DD)
 - “10 thousand feet view” – refined design and cost estimates
3. Construction Documents (CD) *
 - “Pattern altitude view” – final design and cost estimates plus all of the information necessary for contractors to bid the project.
4. Bidding/Awarding of Contract (BA) *
 - The receipt and opening of bids and the presentation to the board for the award of the construction contract.
5. Contract Administration (CA)
 - Supervision and documentation of the construction project.

* Board Meeting Presentations

Attached is the Schematic Design and initial cost estimates for the Ackerman Elementary School project. It is one of the projects aimed at enclosing classrooms that were originally built under the “open classroom” concept. The budget construction cost was \$178,512. The SD estimate is \$164,214.

Carlson West Pavondra Architects will be present to address the board.

OPTIONS AND ALTERNATIVES: n/a


RECOMMENDATION: It is recommended that the schematic design for the Ackerman Elementary School project be approved as submitted.

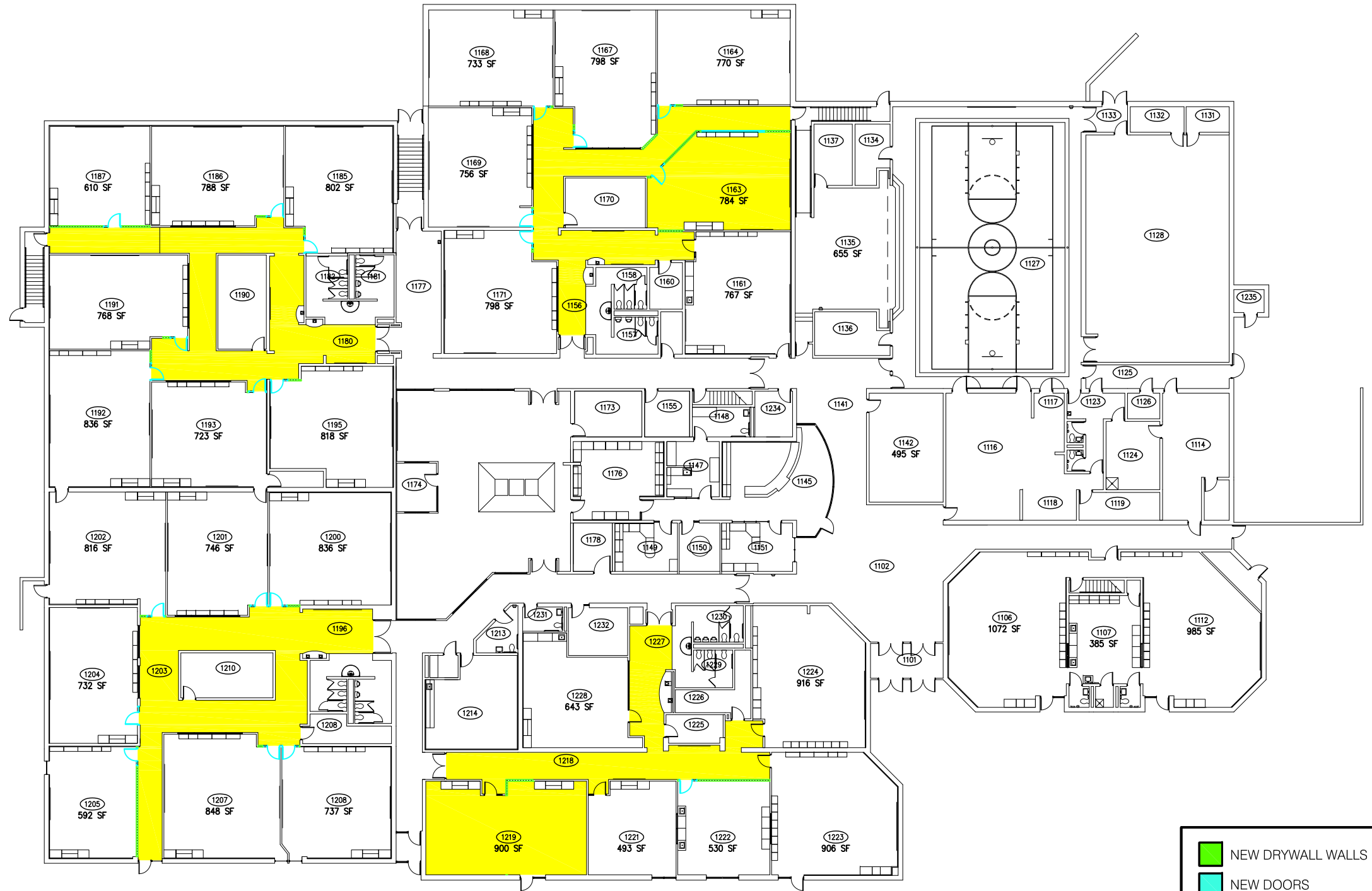
STRATEGIC PLAN REFERENCE: n/a

IMPLICATIONS OF ADOPTION/REJECTION: n/a

TIMELINE: Immediate




RESPONSIBLE PERSON: Carlson West Pavondra (Architects), Sampson Construction (CMA), and Ken Fossen

SUPERINTENDENT’S APPROVAL: 



ACKERMAN ELEMENTARY

- 4 UNIT FACILITY
- 24 GRADE LEVEL CLASSROOMS
- 7 SPECIAL USE ROOMS

	NEW DRYWALL WALLS
	NEW DOORS
	NEW CARPET

FLOOR PLAN
 SCALE: 1" = 30'-0"



ARCHITECTS

NOVEMBER 18, 2013

**Ackerman Elementary
SD Estimate**

276
11/18/2013

Division	Description	Cost	
		Detail	Div. Subtotal
	CONSTRUCTION COSTS		
1	GENERAL CONDITIONS		\$32,843
2	SELECT DEMOLITION		\$12,034
	A. Excavation/Backfill/Site Prep	\$0	
	B. Concrete Paving & Walkways	\$0	
	C. Asphalt paving	\$0	
	D. Landscaping/Seeding/Grading	\$0	
	E. Interior/Select Demo	\$12,034	
3	CONCRETE		\$0
	A. Footings	\$0	
	B. Slabs	\$0	
	C. Cast-in-place walls	\$0	
	D. Structural precast	\$0	
4	MASONRY		\$0
	A. Block	\$0	
	B. Brick	\$0	
	C. Arch. precast	\$0	
5	METALS		\$0
	A. Structural steel	\$0	
	B. Misc. steel/handrails/stairs	\$0	
6	WOOD & PLASTICS		\$2,420
	A. Rough carpentry	\$0	
	B. Millwork & finish carpentry	\$2,420	
7	THERMAL/MOISTURE PROTECTION		\$0
	A. Roofing	\$0	
	B. Caulking & waterproofing	\$0	
8	DOORS & WINDOWS		\$39,028
	A. Hollow metal/Hardware/wood doors	\$39,028	
	B. Alum. & glass	\$0	
	C. Skylites	\$0	
	D. Overhead/coiling doors	\$0	
9	FINISHES		\$39,410
	A. Metal studs & drywall	\$8,129	
	B. Plaster & Dryvit	\$0	
	C. Acoustic ceilings	\$2,874	
	D. Flooring & base	\$23,325	
	E. Painting	\$5,082	
10	SPECIALTIES		\$418
11	EQUIPMENT		\$0
12	FURNISHINGS		\$0
13	SPECIAL CONSTRUCTION		\$0
14	CONVEYING SYSTEMS		\$0
15	MECHANICAL		\$30,910
	A. Utilities	\$0	
	B. Piping Systems Plumbing	\$0	
	C. HVAC Sheet Metal Systems	\$10,835	
	D. Fire Sprinkler	\$20,075	
16	ELECTRICAL		\$7,150
	A. Power & Lighting	\$7,150	
	B. Special Systems	\$0	
	PROJECT TOTAL		\$164,214

AGENDA SUMMARY SHEET

AGENDA ITEM: Approval of Schematic Design for Aldrich Elementary School

MEETING DATE: November 18, 2013

DEPARTMENT: General Administration

TITLE & BRIEF DESCRIPTION: Approval of Schematic Design for Aldrich Elementary School – the first step in the construction project for Aldrich Elementary.

ACTION DESIRED: Approval x Discussion Information Only

BACKGROUND: The progressive steps for construction projects are as follows:

1. Schematic Design (SD) *
 - “30 thousand feet view” – initial design and cost estimates
2. Design Development (DD)
 - “10 thousand feet view” – refined design and cost estimates
3. Construction Documents (CD) *
 - “Pattern altitude view” – final design and cost estimates plus all of the information necessary for contractors to bid the project.
4. Bidding/Awarding of Contract (BA) *
 - The receipt and opening of bids and the presentation to the board for the award of the construction contract.
5. Contract Administration (CA)
 - Supervision and documentation of the construction project.

* Board Meeting Presentations

Attached is the Schematic Design and initial cost estimates for the Aldrich Elementary School project. It is one of the projects aimed at enclosing classrooms that were originally built under the “open classroom” concept. The budget construction cost was \$490,767. The SD estimate is \$654,740.

Cal Hinz Architects will be present to address the board.

OPTIONS AND ALTERNATIVES: n/a

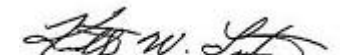
RECOMMENDATION: It is recommended that the schematic design for the Aldrich Elementary School project be approved as submitted.

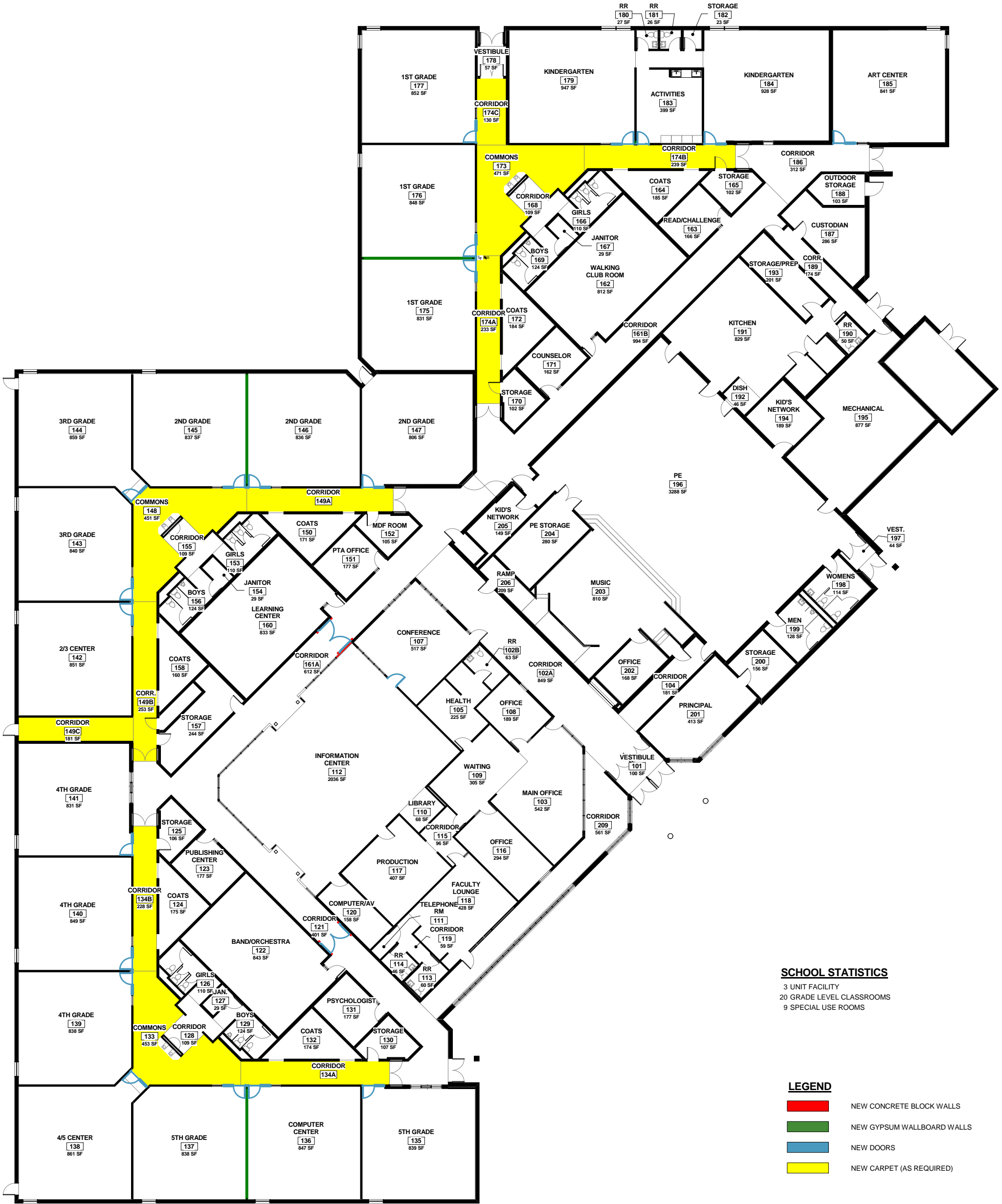
STRATEGIC PLAN REFERENCE: n/a

IMPLICATIONS OF ADOPTION/REJECTION: n/a

TIMELINE: Immediate

RESPONSIBLE PERSON: Calvin L. Hinz (Architects), Sampson Construction (CMa), and Ken Fossen

SUPERINTENDENT’S APPROVAL: 



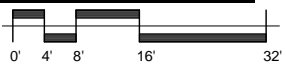
SCHOOL STATISTICS

3 UNIT FACILITY
 20 GRADE LEVEL CLASSROOMS
 9 SPECIAL USE ROOMS

LEGEND

- NEW CONCRETE BLOCK WALLS
- NEW GYPSUM WALLBOARD WALLS
- NEW DOORS
- NEW CARPET (AS REQUIRED)

FLOOR PLAN



ALDRICH ELEMENTARY



PROJECT NUMBER: 2013-25
 DATE: NOVEMBER 18, 2013



SCHEMATIC DESIGN
OPINION OF PROBABLE CONSTRUCTION COST

Division	Description	Cost	
		Detail	Div. Subtotal
	CONSTRUCTION COSTS		
1	GENERAL REQUIREMENTS		\$99,876
2	SITework		\$14,000
	A. Excavation/Backfill/Site Prep	\$0	
	B. Concrete Paving & Walkways	\$0	
	C. Asphalt paving	\$0	
	D. Landscaping/Seeding/Grading	\$0	
	E. Interior/Select Demo	\$14,000	
3	CONCRETE		\$0
	A. Footings	\$0	
	B. Slabs	\$0	
	C. Cast-in-place walls	\$0	
	D. Structural precast	\$0	
4	MASONRY		\$10,000
	A. Block	\$10,000	
	B. Brick	\$0	
	C. Arch. precast	\$0	
5	METALS		\$0
	A. Structural steel	\$0	
	B. Misc. steel/handrails/stairs	\$0	
6	WOOD & PLASTICS		\$200
	A. Rough carpentry	\$0	
	B. Millwork & finish carpentry	\$200	
7	THERMAL/MOISTURE PROTECTION		\$5,280
	A. Roofing	\$0	
	B. Caulking & waterproofing	\$5,280	
8	DOORS & WINDOWS		\$61,930
	A. Hollow metal/Hardware/wood doors	\$47,850	
	B. Alum. & glass	\$14,080	
	C. Skylites	\$0	
	D. Overhead/coiling doors	\$0	
9	FINISHES		\$143,704
	A. Metal studs & drywall	\$30,000	
	B. Misc. Repair-tile & bulkhead	\$5,000	
	C. Acoustic ceilings	\$85,000	
	D. Flooring & base	\$12,000	
	E. Painting	\$11,704	
10	SPECIALTIES		\$0
11	EQUIPMENT		\$0
12	FURNISHINGS		\$0
13	SPECIAL CONSTRUCTION		\$0
14	CONVEYING SYSTEMS		\$0
15	MECHANICAL		\$228,250
	A. Utilities	\$44,000	
	B. Piping Systems Plumbing	\$0	
	C. HVAC Sheet Metal Systems	\$55,000	
	D. Fire Protection	\$129,250	
16	ELECTRICAL		\$91,500
	A. Power & Lighting	\$47,500	
	B. Special Systems	\$44,000	
	PROJECT TOTAL		\$654,740

AGENDA SUMMARY SHEET

AGENDA ITEM: Approval of Schematic Design for Bryan Elementary School

MEETING DATE: November 18, 2013

DEPARTMENT: General Administration

TITLE & BRIEF DESCRIPTION: Approval of Schematic Design for Bryan Elementary School – the first step in the construction project for Bryan Elementary.

ACTION DESIRED: Approval x Discussion Information Only

BACKGROUND: The progressive steps for construction projects are as follows:

1. Schematic Design (SD) *
 - “30 thousand feet view” – initial design and cost estimates
2. Design Development (DD)
 - “10 thousand feet view” – refined design and cost estimates
3. Construction Documents (CD) *
 - “Pattern altitude view” – final design and cost estimates plus all of the information necessary for contractors to bid the project.
4. Bidding/Awarding of Contract (BA) *
 - The receipt and opening of bids and the presentation to the board for the award of the construction contract.
5. Contract Administration (CA)
 - Supervision and documentation of the construction project.

* Board Meeting Presentations

Attached is the Schematic Design and initial cost estimates for the Bryan Elementary School project. This project involves extensive renovations and improvements to both the interior and the exterior of the building. The budgeted construction cost was \$3,258,300. The SD estimate is \$3,236,137.

BCDM Architects will be present to address the board.

OPTIONS AND ALTERNATIVES: n/a

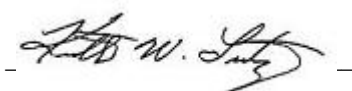
RECOMMENDATION: It is recommended that the schematic design for the Bryan Elementary School project be approved as submitted.

STRATEGIC PLAN REFERENCE: n/a

IMPLICATIONS OF ADOPTION/REJECTION: n/a

TIMELINE: Immediate

RESPONSIBLE PERSON: BCDM (Architects), Sampson Construction (CMa), and Ken Fossen

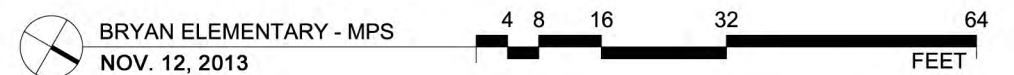
SUPERINTENDENT’S APPROVAL: 

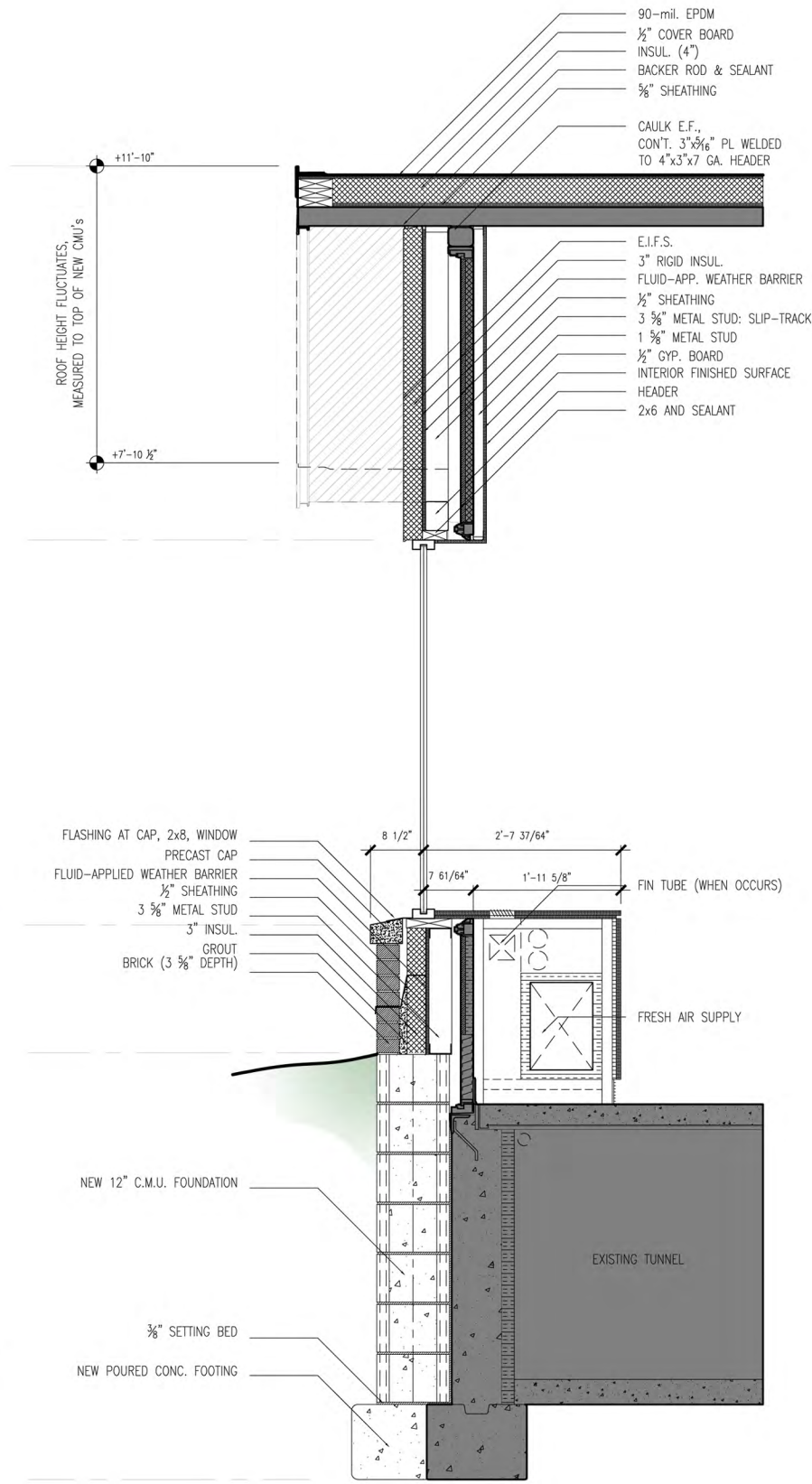


- NEW ENVELOPE WALLS
- NEW DRYWALL WALLS
- NEW DOORS
- NEW CARPET
- NEW VCT
- NEW PORCELAIN TILE
- NEW CASEWORK

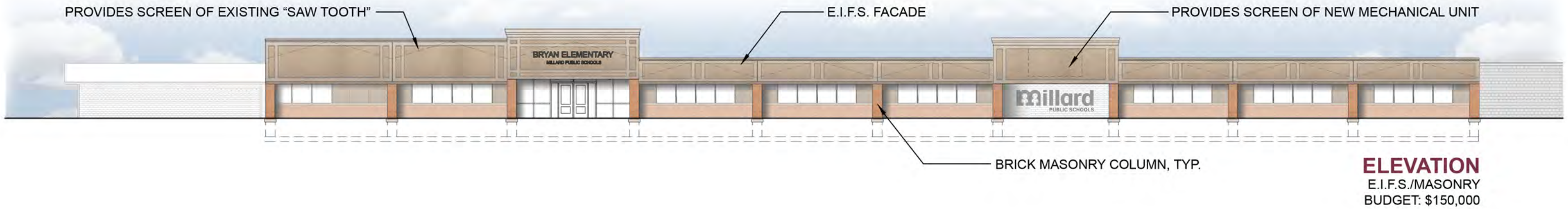
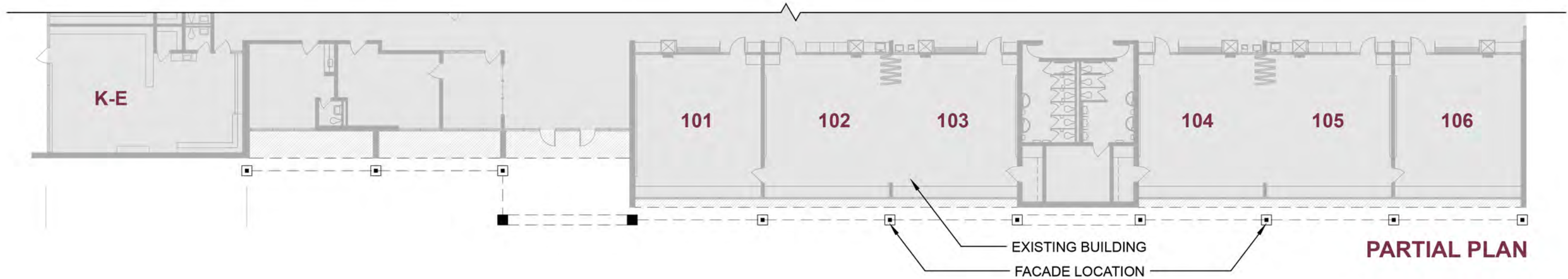


BRYAN ELEMENTARY INTERIOR & EXTERIOR RENOVATIONS
 3 UNIT FACILITY
 20 GRADE LEVEL CLASSROOMS
 6 SPECIAL USE ROOMS





Division	Description	Cost	
		Detail	Div. Subtotal
	CONSTRUCTION COSTS		
1	GENERAL CONDITIONS		\$354,961
2	SITEWORK		\$178,116
	A. Excavation/Backfill/Site Prep	\$27,170	
	B. Concrete Paving & Walkways	\$4,400	
	C. Asphalt paving	\$0	
	D. Landscaping/Seeding/Grading	\$22,000	
	E. Interior/Select Demo	\$124,546	
3	CONCRETE		\$32,824
	A. Footings	\$32,274	
	B. Slabs	\$550	
	C. Cast-in-place walls	\$0	
	D. Structural precast	\$0	
4	MASONRY		\$83,050
	A. Block	\$39,050	
	B. Brick	\$44,000	
	C. Arch. precast	\$0	
5	METALS		\$19,800
	A. Structural steel	\$6,600	
	B. Misc. steel/handrails/stairs	\$13,200	
6	WOOD & PLASTICS		\$257,389
	A. Rough carpentry	\$24,200	
	B. Millwork & finish carpentry	\$233,189	
7	THERMAL/MOISTURE PROTECTION		\$342,980
	A. Roofing	\$317,900	
	B. Caulking & waterproofing	\$25,080	
8	DOORS & WINDOWS		\$208,422
	A. Hollow metal/Hardware/wood doors	\$43,422	
	B. Alum. & glass	\$165,000	
	C. Skylites	\$0	
	D. Overhead/coiling doors	\$0	
9	FINISHES		\$439,090
	A. Metal studs & drywall	\$120,527	
	B. Plaster & Dryvit	\$26,400	
	C. Acoustic ceilings	\$36,382	
	D. Flooring & base	\$150,711	
	E. Painting	\$105,070	
10	SPECIALTIES		\$79,255
11	EQUIPMENT		\$0
12	FURNISHINGS		\$17,710
13	SPECIAL CONSTRUCTION		\$0
14	CONVEYING SYSTEMS		\$0
15	MECHANICAL		\$884,400
	A. Utilities	\$15,400	
	B. Piping Systems Plumbing	\$55,000	
	C. HVAC Sheet Metal Systems	\$814,000	
	D. Fire Sprinkler	\$0	
16	ELECTRICAL		\$338,140
	A. Power & Lighting	\$216,040	
	B. Special Systems	\$122,100	
	PROJECT TOTAL		\$3,236,137



AGENDA SUMMARY SHEET

AGENDA ITEM: Approval of Schematic Design for Harvey Oaks Elementary School

MEETING DATE: November 18, 2013

DEPARTMENT: General Administration

TITLE & BRIEF DESCRIPTION: Approval of Schematic Design for Harvey Oaks Elementary School – the first step in the construction project for Harvey Oaks Elementary.

ACTION DESIRED: Approval x Discussion Information Only

BACKGROUND: The progressive steps for construction projects are as follows:

1. Schematic Design (SD) *
 - “30 thousand feet view” – initial design and cost estimates
2. Design Development (DD)
 - “10 thousand feet view” – refined design and cost estimates
3. Construction Documents (CD) *
 - “Pattern altitude view” – final design and cost estimates plus all of the information necessary for contractors to bid the project.
4. Bidding/Awarding of Contract (BA) *
 - The receipt and opening of bids and the presentation to the board for the award of the construction contract.
5. Contract Administration (CA)
 - Supervision and documentation of the construction project.

* Board Meeting Presentations

Attached is the Schematic Design and initial cost estimates for the Harvey Oaks Elementary School project. It is one of the projects aimed at enclosing classrooms that were originally built under the “open classroom” concept. The budget construction cost was \$581,453. The SD estimate is \$572,417.

Purdy & Slack Architects will be present to address the board.

OPTIONS AND ALTERNATIVES: n/a


RECOMMENDATION: It is recommended that the schematic design for the Harvey Oaks Elementary School project be approved as submitted.

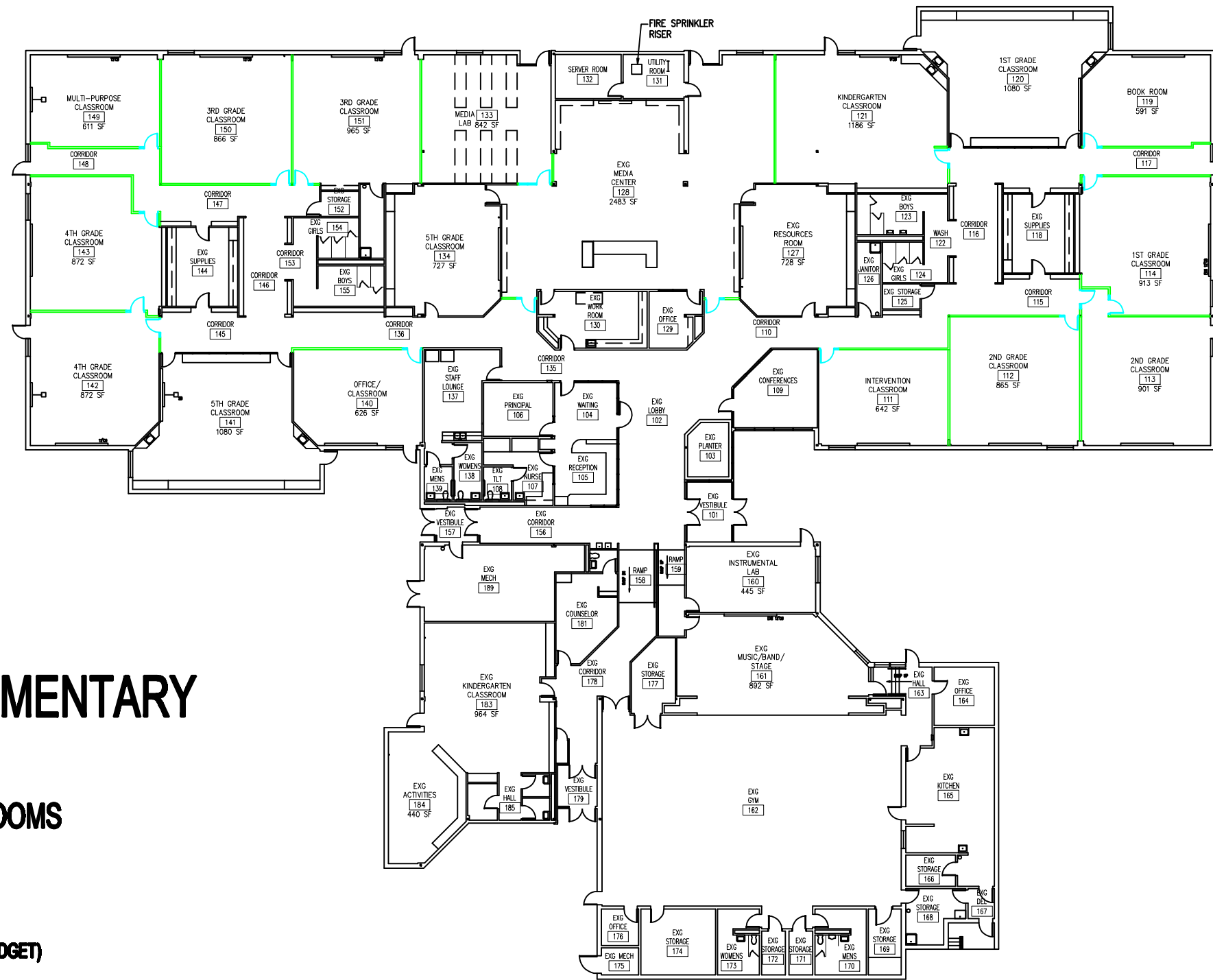
STRATEGIC PLAN REFERENCE: n/a

IMPLICATIONS OF ADOPTION/REJECTION: n/a

TIMELINE: Immediate

RESPONSIBLE PERSON: Purdy & Slack (Architects), Sampson Construction (CMa), and Ken Fossen

SUPERINTENDENT’S APPROVAL: 



HARVEY OAKS ELEMENTARY

- 2 UNIT FACILITY
- 13 GRADE LEVEL CLASSROOMS
- 6 SPECIAL USE ROOMS

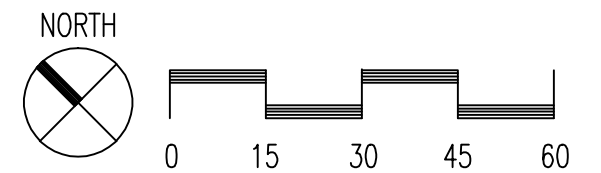
ALTERNATES

- 1. NEW CARPETING (SUMMER PROJECT BUDGET)

- NEW DRYWALL WALLS
- NEW DOORS
- NEW CARPET (ENTIRE BUILDING)



1919 Grant Street Suite 200 Omaha, Nebraska 68164 (402) 496-4448



NOVEMBER 7, 2013

**Harvey Oaks Elementary
SD Estimate**

287
11/07/2013

Division	Description	Cost	
	CONSTRUCTION COSTS	Detail	Div. Subtotal
1	GENERAL CONDITIONS		\$114,483
2	SITework		\$12,946
	A. Excavation/Backfill/Site Prep	\$0	
	B. Concrete Paving & Walkways	\$0	
	C. Asphalt paving	\$0	
	D. Landscaping/Seeding/Grading	\$0	
	E. Interior/Select Demo	\$12,946	
3	CONCRETE		\$0
	A. Footings	\$0	
	B. Slabs	\$0	
	C. Cast-in-place walls	\$0	
	D. Structural precast	\$0	
4	MASONRY		\$0
	A. Block	\$0	
	B. Brick	\$0	
	C. Arch. precast	\$0	
5	METALS		\$0
	A. Structural steel	\$0	
	B. Misc. steel/handrills/stairs	\$0	
6	WOOD & PLASTICS		\$0
	A. Rough carpentry	\$0	
	B. Millwork & finish carpentry	\$0	
7	THERMAL/MOISTURE PROTECTION		\$655
	A. Roofing	\$0	
	B. Caulking & waterproofing	\$655	
8	DOORS & WINDOWS		\$44,121
	A. Hollow metal/Hardware/wood doors	\$37,961	
	B. Alum. & glass	\$6,160	
	C. Skylites	\$0	
	D. Overhead/coiling doors	\$0	
9	FINISHES		\$131,854
	A. Metal studs & drywall	\$62,634	
	B. Plaster & Dryvit	\$0	
	C. Acoustic ceilings	\$61,300	
	D. Flooring & base	\$0	
	E. Painting	\$7,920	
10	SPECIALTIES		\$26,400
11	EQUIPMENT		\$0
12	FURNISHINGS		\$0
13	SPECIAL CONSTRUCTION		\$0
14	CONVEYING SYSTEMS		\$0
15	MECHANICAL		\$190,258
	A. Utilities	\$33,000	
	B. Piping Systems Plumbing	\$0	
	C HVAC Sheet Metal Systems	\$33,000	
	D. Fire Sprinkler	\$124,258	
16	ELECTRICAL		\$51,700
	A. Power & Lighting	\$51,700	
	B. Special Systems	\$0	
	PROJECT TOTAL		\$572,417

AGENDA SUMMARY SHEET

AGENDA ITEM: Approval of Schematic Design for Montclair Elementary School

MEETING DATE: November 18, 2013

DEPARTMENT: General Administration

TITLE & BRIEF DESCRIPTION: Approval of Schematic Design for Montclair Elementary School – the first step in the construction project for Montclair Elementary.

ACTION DESIRED: Approval x Discussion Information Only

BACKGROUND: The progressive steps for construction projects are as follows:

1. Schematic Design (SD) *
 - “30 thousand feet view” – initial design and cost estimates
2. Design Development (DD)
 - “10 thousand feet view” – refined design and cost estimates
3. Construction Documents (CD) *
 - “Pattern altitude view” – final design and cost estimates plus all of the information necessary for contractors to bid the project.
4. Bidding/Awarding of Contract (BA) *
 - The receipt and opening of bids and the presentation to the board for the award of the construction contract.
5. Contract Administration (CA)
 - Supervision and documentation of the construction project.

* Board Meeting Presentations

Attached is the Schematic Design and initial cost estimates for the Montclair Elementary School project. It is one of the projects aimed at enclosing classrooms that were originally built under the “open classroom” concept. The budget construction cost was \$1,408,600. The SD estimate is \$1,032,331.

Purdy & Slack Architects will be present to address the board.

OPTIONS AND ALTERNATIVES: n/a

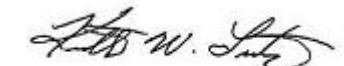
RECOMMENDATION: It is recommended that the schematic design for the Montclair Elementary School project be approved as submitted.

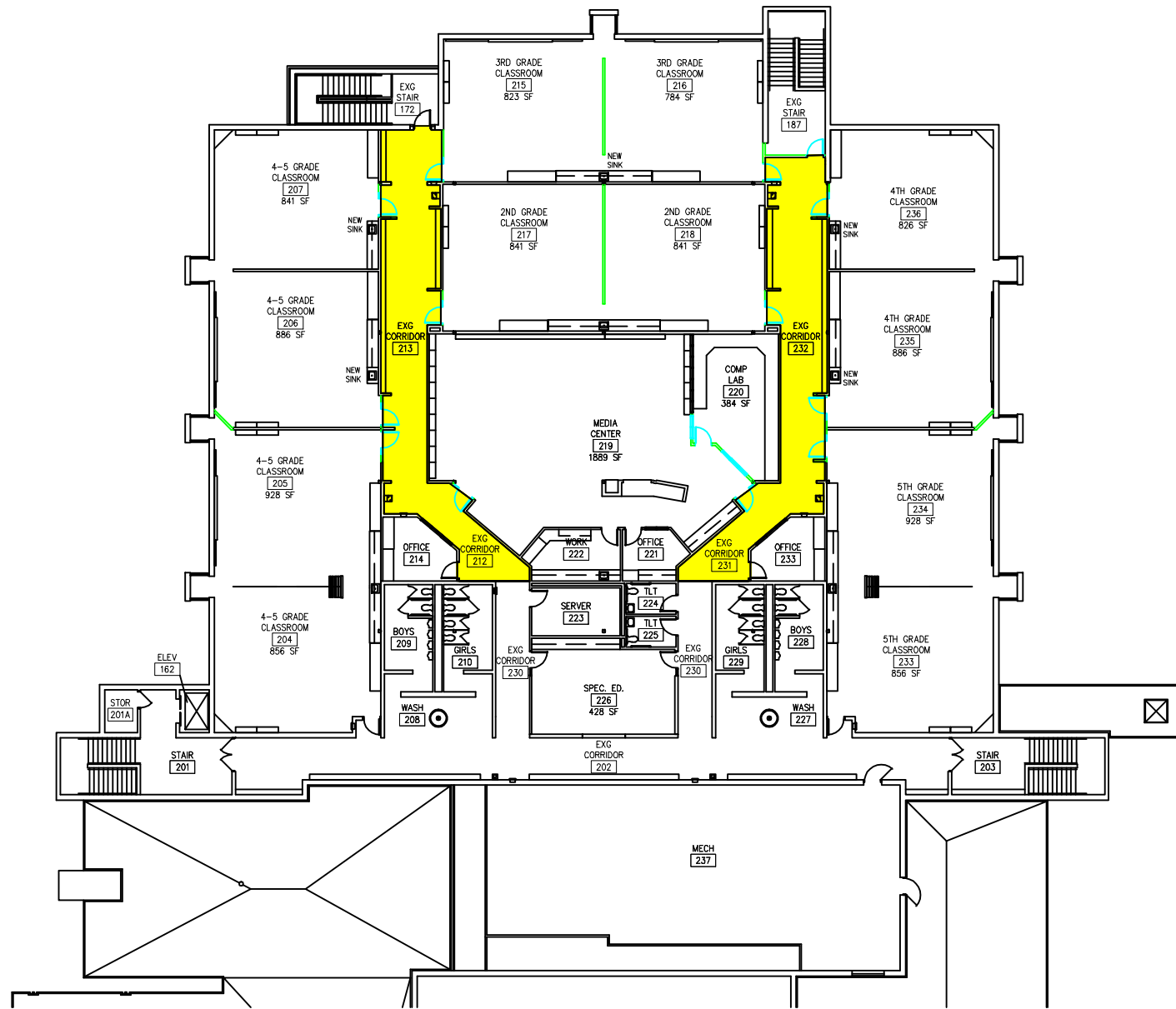
STRATEGIC PLAN REFERENCE: n/a

IMPLICATIONS OF ADOPTION/REJECTION: n/a

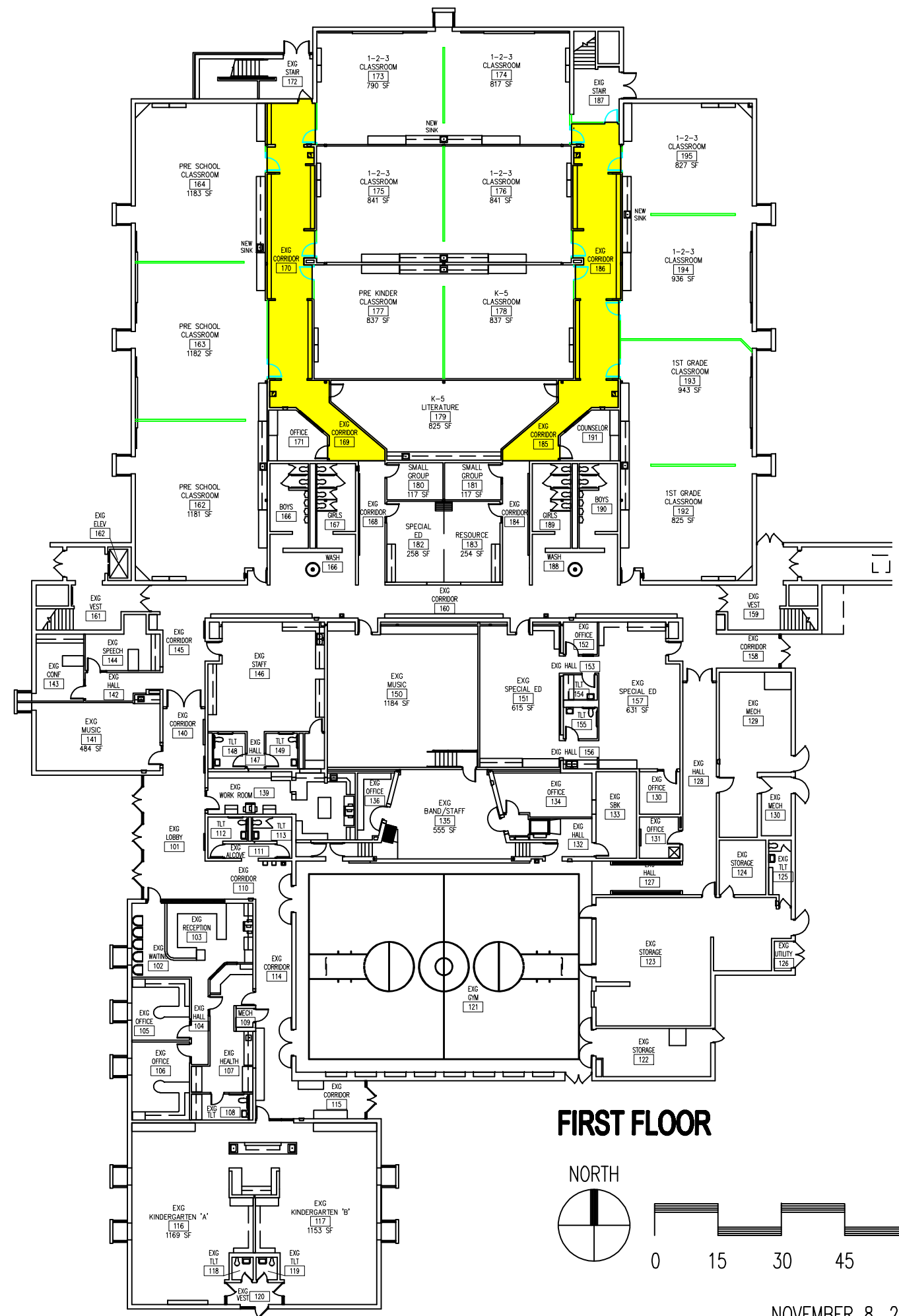
TIMELINE: Immediate

RESPONSIBLE PERSON: Purdy & Slack (Architects), Sampson Construction (CMa), and Ken Fossen

SUPERINTENDENT’S APPROVAL: 



SECOND FLOOR



FIRST FLOOR

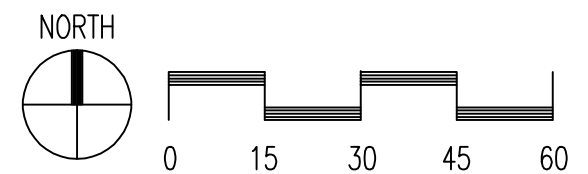
MONTCLAIR ELEMENTARY

- 4 UNIT FACILITY**
- 27 GRADE LEVEL CLASSROOMS**
- 12 SPECIAL USE ROOMS**

ALTERNATES

1. ENCLOSE COMPUTER LAB

	NEW DRYWALL WALLS
	NEW DOORS
	NEW CARPET



11919 Grant Street Suite 200 Omaha, Nebraska 68164 (402) 496-4448

NOVEMBER 8, 2013

**Montclair Elementary
SD Estimate**

Division	Description	Cost	
		Detail	Div. Subtotal
	CONSTRUCTION COSTS		
1	GENERAL CONDITIONS		\$206,466
2	SITework		\$10,038
	A. Excavation/Backfill/Site Prep	\$0	
	B. Concrete Paving & Walkways	\$0	
	C. Asphalt paving	\$0	
	D. Landscaping/Seeding/Grading	\$0	
	E. Interior/Select Demo	\$10,038	
3	CONCRETE		\$0
	A. Footings	\$0	
	B. Slabs	\$0	
	C. Cast-in-place walls	\$0	
	D. Structural precast	\$0	
4	MASONRY		\$0
	A. Block	\$0	
	B. Brick	\$0	
	C. Arch. precast	\$0	
5	METALS		\$13,860
	A. Structural steel	\$0	
	B. Misc. steel/handrails/stairs	\$13,860	
6	WOOD & PLASTICS		\$4,818
	A. Rough carpentry	\$0	
	B. Millwork & finish carpentry	\$4,818	
7	THERMAL/MOISTURE PROTECTION		\$886
	A. Roofing	\$0	
	B. Caulking & waterproofing	\$886	
8	DOORS & WINDOWS		\$65,527
	A. Hollow metal/Hardware/wood doors	\$51,359	
	B. Alum. & glass	\$14,168	
	C. Skylites	\$0	
	D. Overhead/coiling doors	\$0	
9	FINISHES		\$148,522
	A. Metal studs & drywall	\$52,250	
	B. Plaster & Dryvit	\$0	
	C. Acoustic ceilings	\$77,000	
	D. Flooring & base	\$9,983	
	E. Painting	\$9,290	
10	SPECIALTIES		\$0
11	EQUIPMENT		\$0
12	FURNISHINGS		\$0
13	SPECIAL CONSTRUCTION		\$0
14	CONVEYING SYSTEMS		\$0
15	MECHANICAL		\$505,215
	A. Utilities	\$44,000	
	B. Piping Systems Plumbing	\$33,000	
	C HVAC Sheet Metal Systems	\$216,434	
	D. Fire Sprinkler	\$211,781	
16	ELECTRICAL		\$77,000
	A. Power & Lighting	\$77,000	
	B. Special Systems	\$0	
	PROJECT TOTAL		\$1,032,331

AGENDA SUMMARY SHEET

AGENDA ITEM: Approval of Schematic Design for Ron Witt Support Services Center

MEETING DATE: November 18, 2013

DEPARTMENT: General Administration

TITLE & BRIEF DESCRIPTION: Approval of Schematic Design for Ron Witt Support Services Center – the first step in the construction project for RWSSC.

ACTION DESIRED: Approval x Discussion Information Only

BACKGROUND: The progressive steps for construction projects are as follows:

1. Schematic Design (SD) *
 - “30 thousand feet view” – initial design and cost estimates
2. Design Development (DD)
 - “10 thousand feet view” – refined design and cost estimates
3. Construction Documents (CD) *
 - “Pattern altitude view” – final design and cost estimates plus all of the information necessary for contractors to bid the project.
4. Bidding/Awarding of Contract (BA) *
 - The receipt and opening of bids and the presentation to the board for the award of the construction contract.
5. Contract Administration (CA)
 - Supervision and documentation of the construction project.

* Board Meeting Presentations

Attached is the Schematic Design and initial cost estimates for the Ron Witt Support Services Center project. This project involves work on the exterior envelope of the building only. The budgeted construction cost was \$527,854. The SD estimate is \$531,492.

BCDM Architects will be present to address the board.

OPTIONS AND ALTERNATIVES: n/a


RECOMMENDATION: It is recommended that the schematic design for the Ron Witt Support Services Center project be approved as submitted.

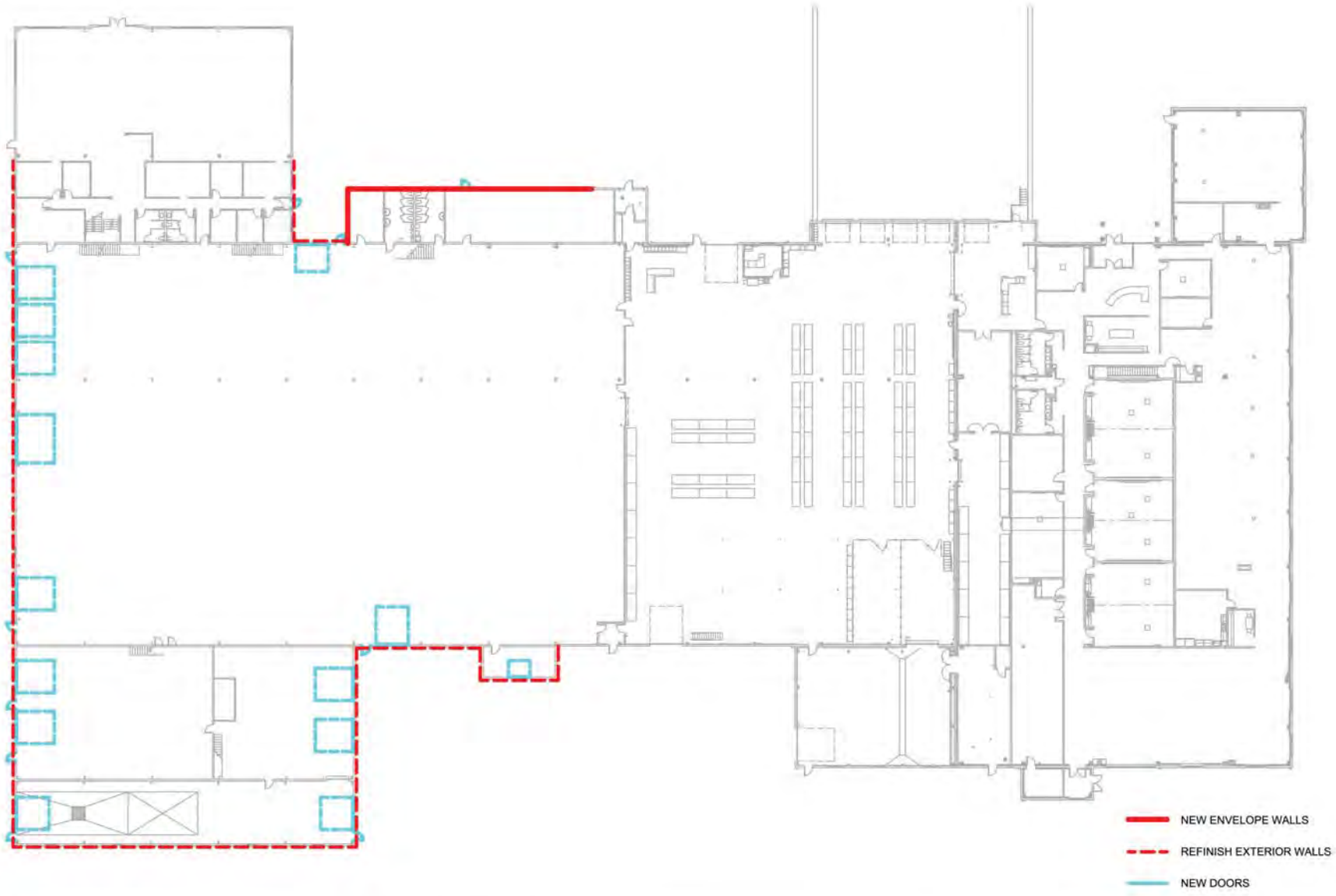
STRATEGIC PLAN REFERENCE: n/a

IMPLICATIONS OF ADOPTION/REJECTION: n/a

TIMELINE: Immediate

RESPONSIBLE PERSON: BCDM (Architects), Sampson Construction (CMA), and Ken Fossen

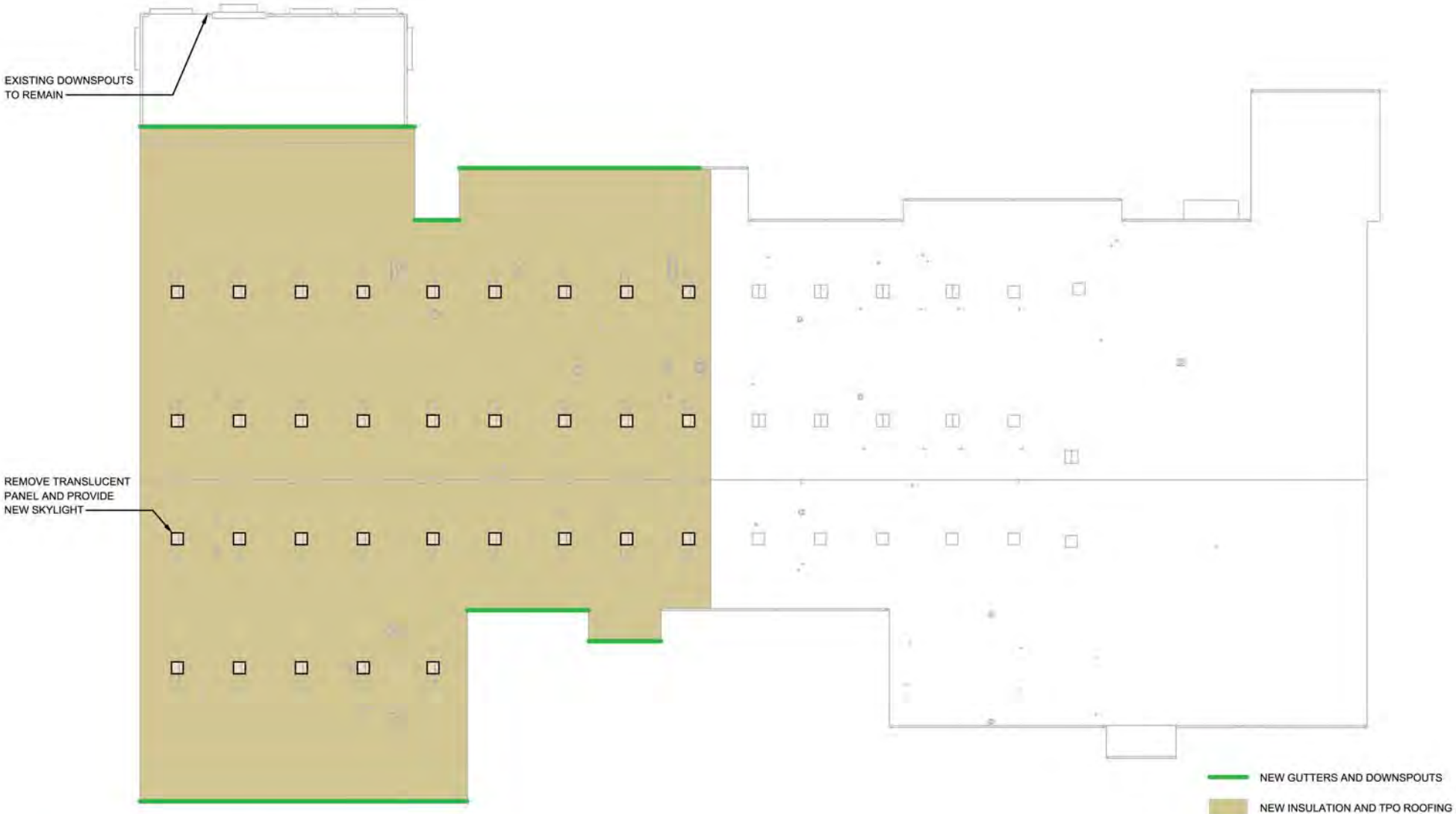
SUPERINTENDENT’S APPROVAL: 



RON WITT SUPPORT SERVICES CENTER
PHASE II EXTERIOR RENOVATION

FLOOR PLAN
NOV. 12, 2013





NEW ROOF,
GUTTERS, AND
DOWNSPOUTS

PHASE I

REPLACE DAMAGED
AND PATCHED
WALL PANELS

PAINT TO MATCH
PHASE I

NEW OVERHEAD
AND MAN DOORS

PATCH AND PAINT
EXTERIOR CONCRETE
BLOCK WALL



**RON WITT SUPPORT SERVICES CENTER
PHASE II EXTERIOR RENOVATION**

EXTERIOR ELEVATION PHOTOGRAPH
NOV. 12, 2013

**Ron Witt Support Services Center
SD Estimate**

11/12/2013

Division	Description	Cost	
	CONSTRUCTION COSTS	Detail	Div. Subtotal
1	GENERAL CONDITIONS		\$53,875
2	SITework		\$34,059
	A. Excavation/Backfill/Site Prep	\$0	
	B. Concrete Paving & Walkways	\$0	
	C. Asphalt paving	\$0	
	D. Landscaping/Seeding/Grading	\$0	
	E. Interior/Select Demo	\$34,059	
3	CONCRETE		\$0
	A. Footings	\$0	
	B. Slabs	\$0	
	C. Cast-in-place walls	\$0	
	D. Structural precast	\$0	
4	MASONRY		\$540
	A. Block	\$540	
	B. Brick	\$0	
	C. Arch. precast	\$0	
5	METALS		\$4,320
	A. Structural steel	\$0	
	B. Misc. steel/handrails/stairs	\$4,320	
6	WOOD & PLASTICS		\$2,765
	A. Rough carpentry	\$2,765	
	B. Millwork & finish carpentry	\$0	
7	THERMAL/MOISTURE PROTECTION		\$250,206
	A. Roofing	\$249,056	
	B. Caulking & waterproofing	\$1,150	
8	DOORS & WINDOWS		\$101,304
	A. Hollow metal/Hardware/wood doors	\$12,744	
	B. Alum. & glass	\$0	
	C. Skylites	\$43,200	
	D. Overhead/coiling doors	\$45,360	
9	FINISHES		\$38,186
	A. Metal studs & drywall	\$17,083	
	B. Plaster & Dryvit	\$0	
	C. Acoustic ceilings	\$108	
	D. Flooring & base	\$0	
	E. Painting	\$20,995	
10	SPECIALTIES		\$0
11	EQUIPMENT		\$0
12	FURNISHINGS		\$0
13	SPECIAL CONSTRUCTION		\$39,865
14	CONVEYING SYSTEMS		\$0
15	MECHANICAL		\$0
	A. Utilities	\$0	
	B. Piping Systems Plumbing	\$0	
	C HVAC Sheet Metal Systems	\$0	
	D. Fire Sprinkler	\$0	
16	ELECTRICAL		\$6,372
	A. Power & Lighting	\$6,372	
	B. Special Systems	\$0	
	PROJECT TOTAL		\$531,492

AGENDA SUMMARY SHEET

AGENDA ITEM: Vacation of Alley Adjacent to Central Middle School

MEETING DATE: November 18, 2013

DEPARTMENT: General Administration

TITLE & BRIEF DESCRIPTION: Vacation of Alley Adjacent to Central Middle School - A joint petition of the adjacent property owners to vacate an alley that is no longer being used as such.

ACTION DESIRED: Approval Discussion Information Only

BACKGROUND: There is an old platted alley on the west side of the Central Middle School property (abutting the Walnut Hill Apartments) that is no longer being used for traffic -- it's been abandoned and planted to grass for many years. It is possible that the alley was officially vacated by the city years ago, but the vacation was never recorded in the real estate records.

In light of the above, the owners of the adjoining property have asked the District to join them in requesting that the city officially vacate the alley and make the appropriate filing on the real estate records.

When the alley is vacated, the ownership of the land will be divided equally between the two adjoining property owners (i.e., MPS would take the east half -- Staub Properties would take the west half).

(For more specific information, see the information from legal counsel attached.)

OPTIONS AND ALTERNATIVES: n/a

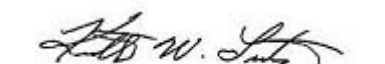
RECOMMENDATION: It is recommended that the District join in the adjacent property owner's Petition to vacate the alley located west of Lots 7-15 in Block 2 of the East Millard Subdivision in Douglas County, Nebraska.

STRATEGIC PLAN REFERENCE: n/a

IMPLICATIONS OF ADOPTION/REJECTION: n/a

TIMELINE: Immediate

RESPONSIBLE PERSON: Ken Fossen, Associate Superintendent (General Administration)

SUPERINTENDENT'S APPROVAL: 

YOUNG & WHITE

LAW OFFICES

DUNCAN A. YOUNG
JEFF C. MILLER
DAVID J. SELBY
KEITH I. KOSAKI

MALCOLM D. YOUNG
(1920 - 2012)

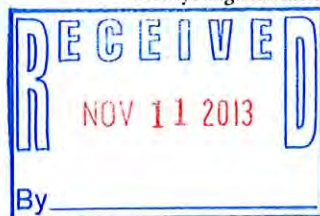
LELAND C. WHITE
(1899 - 1981)

November 7, 2013

8742 FREDERICK STREET
P.O. BOX 241358
OMAHA, NEBRASKA 68124-5358

Telephone (402) 393-5600
Facsimile (402) 393-6823
lawoffices@youngandwhite.com
www.youngandwhite.com

ELKHORN OFFICE
20283 WIRT STREET
OMAHA, NE 68022
(402) 289-1950



Kenneth J. Fossen, J.D.
Assoc. Superintendent General Administration
Don Stroh Administration Center
5606 South 147th Street
Omaha, NE 68137

RE: Alley Vacation

Dear Ken:

I return to you the Alley Vacation documents concerning the alley near Central Middle School. As we have discussed, the Petition has now been changed to reflect that the District is in favor of vacating the alley only.

The alley property, once vacated will become property of the District. The District may then decide at a later point to transfer it to Straub Properties, or not.

Once presented to the Board and, if approved, please return the signed document to our office.

If there are any questions, please feel free to contact me.

Very truly yours,

David J. Selby

DJS/iw
Enclosure

CITY OF OMAHA

VACATION INFORMATION FORM

1. List the people principally interested in the vacation. Be sure to include:

- a. at least one abutting property owner (the majority land owner or a representative for the group), and
- b. the person requesting the vacation if not the same as the owner (for example, a renter or prospective buyer).

Straub Properties, L.L.C.
Name

Name

Business (if applicable)

Business (if applicable)

c/o Russell S. Daub, Esquire
2800 S. 110th Court, #1, Omaha, NE 68144

Mailing Address Zip

Mailing Address Zip

(402) 393-4233

Daytime Phone Number

Daytime Phone Number

Name

Name

Business (if applicable)

Business (if applicable)

Mailing Address Zip

Mailing Address Zip

Daytime Phone Number

Daytime Phone Number

2. Please state briefly why this vacation is being requested. A separate sheet may be attached if necessary.

See Exhibit A attached.

EXHIBIT A

2. The adjoining owners are making this request largely because the title records that resulted from the annexation of Millard do not square with prior conveyance and events when permits to construct a garage were issued. The resulting encroachments, therefore, prevent clear title.

There is a three stall garage sitting on the alley that was permitted in 1962 (see attached survey).

The alley is not improved, is a dead end, and an adjoining alley abandoned years ago where the alley dead ends.

Historically, the alley ROW has been cut by the Straub applicant; and it is fenced.

The attached title binder and survey reflect there are no utility easements.

The binder also reflects that the applicants own 100% of both sides of the alley.

It is suspected that this alley may have been vacated by Millard previously, but it is not of record.

ALTA Commitment Form

COMMITMENT FOR TITLE INSURANCE

Issued by



STEWART TITLE GUARANTY COMPANY, a Texas Corporation ("Company"), for a valuable consideration, commits to issue its policy or policies of title insurance, as identified in Schedule A, in favor of the Proposed Insured named in Schedule A, as owner or mortgagee of the estate or interest in the land described or referred to in Schedule A, upon payment of the premiums and charges and compliance with the Requirements; all subject to the provisions of Schedules A and B and to the Conditions of this Commitment.

This Commitment shall be effective only when the identity of the Proposed Insured and the amount of the policy or policies committed for have been inserted in Schedule A by the Company.

All liability and obligation under this Commitment shall cease and terminate six months after the Effective Date or when the policy or policies committed for shall issue, whichever first occurs, provided that the failure to issue the policy or policies is not the fault of the Company.

The Company will provide a sample of the policy form upon request.

This Commitment shall not be valid or binding until countersigned by a validating officer or authorized signatory.

IN WITNESS WHEREOF, Stewart Title Guaranty Company has caused its corporate name and seal to be affixed by its duly authorized officers on the date shown in Schedule A.

Countersigned by:

Debra M. Kiehl
Authorized Signature

CORNHUSKER LAND TITLE CO.
Company
4091 S. 84th Street
OMAHA, NE 68127

City, State



Stewart Davis Jr.
Senior Chairman of the Board

Michael J. Hester
Chairman of the Board

Michael J. Hester
President

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The use of this form is restricted to ALTA licensees and ALTA members in good standing as of the date of use.
All other uses are prohibited. Reprinted under license from the American Land Title Association.



CONDITIONS

1. The term mortgage, when used herein, shall include deed of trust, trust deed, or other security instrument.
2. If the proposed Insured has or acquired actual knowledge of any defect, lien, encumbrance, adverse claim or other matter affecting the estate or interest or mortgage thereon covered by this Commitment other than those shown in Schedule B hereof, and shall fail to disclose such knowledge to the Company in writing, the Company shall be relieved from liability for any loss or damage resulting from any act of reliance hereon to the extent the Company is prejudiced by failure to so disclose such knowledge. If the proposed Insured shall disclose such knowledge to the Company, or if the Company otherwise acquires actual knowledge of any such defect, lien, encumbrance, adverse claim or other matter, the Company at its option may amend Schedule B of this Commitment accordingly, but such amendment shall not relieve the Company from liability previously incurred pursuant to paragraph 3 of these Conditions.
3. Liability of the Company under this Commitment shall be only to the named proposed Insured and such parties included under the definition of Insured in the form of policy or policies committed for and only for actual loss incurred in reliance hereon in undertaking in good faith (a) to comply with the requirements hereof, or (b) to eliminate exceptions shown in Schedule B, or (c) to acquire or create the estate or interest or mortgage thereon covered by this Commitment. In no event shall such liability exceed the amount stated in Schedule A for the policy or policies committed for and such liability is subject to the Insuring provisions and Conditions and the Exclusions from Coverage of the form of policy or policies committed for in favor of the proposed Insured which are hereby incorporated by reference and are made a part of this Commitment except as expressly modified herein.
4. This Commitment is a contract to issue one or more title insurance policies and is not an abstract of title or a report of the condition of title. Any action or actions of action that the proposed Insured may have or may bring against the Company arising out of the status of the title to the estate or interest or the status of the mortgage thereon covered by this Commitment must be based on and are subject to the provisions of this Commitment.
5. *The policy to be issued contains an arbitration clause. All arbitrable matters when the Amount of Insurance is \$2,000,000 or less shall be arbitrated at the option of either the Company or the Insured as the exclusive remedy of the parties. You may review a copy of the arbitration rules at < <http://www.alta.org>>.*

All notices required to be given the Company and any statement in writing required to be furnished the Company shall be addressed to it at P.O. Box 2029, Houston, Texas 77252.

stewart[®]
title guaranty company

COMMITMENT FOR TITLE INSURANCE
SCHEDULE A

Issued By: **CONVERSNER LAND TITLE COMPANY**

4091 South 84th Street
Omaha, NE 68127
PE: (402)341-6001
Fax: (402)341-6003
hubker@cltc.com

File No.: 13-44151

1. Effective Date: July 2, 2013 at 08:00 AM

2. Policy or Policies To Be Issued:

(a) A.L.T.A. Owner's (ALTA Own. Policy (06/17/06))

Endorsements:

Amount of Insurance	
\$	985,000.00
Premium	
\$	2,200.00

Premium \$

Proposed Insured:
STRAUB PROPERTIES LLC

(b) A.L.T.A. Loan (ALTA Loan Policy (06/17/06))

Endorsements:
ALTA Endorsement Form 8.1 (Environmental Protection Lien)
ALTA Endorsement Form 9 (Restrictions, Encroachments, Min.)
Closing Protection Letter

Amount of Insurance	
\$	738,750.00
Premium	
\$	75.00
\$	25.00
\$	25.00
\$	25.00
Premium	
\$	75.00

Proposed Insured:
CORNHUSKER BANK, THEIR RESPECTIVE SUCCESSORS AND ASSIGNS,
AS THEIR INTEREST MAY APPEAR

3. The estate or interest in the land described or referred to in this Commitment and covered herein is: Fee Simple
4. Title to the Fee Simple estate or interest in said land is at the effective date hereof vested in:
LOUISE PALANDRI-PALMISANO FAMILY LIMITED PARTNERSHIP, A NEBRASKA LIMITED PARTNERSHIP.
5. The land referred to in this Commitment is described as follows:
LOT 2, L STREET ADDITION, AN ADDITION TO THE CITY OF OMAHA, AS SURVEYED, PLATTED, AND RECORDED IN DOUGLAS COUNTY, NEBRASKA.

AND

THAT PART OF LOT 15, BLOCK 2, EAST MILLARD, AND THAT PART OF 8 FOOT VACATED ALLEY LYING WEST OF AND ADJOINING, AN ADDITION TO THE CITY OF OMAHA, AS SURVEYED, PLATTED AND RECORDED IN DOUGLAS COUNTY, NEBRASKA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE SOUTH LINE OF SAID LOT 15, 6 & FEET EAST OF THE SOUTHWEST

stewart
the quantity company

SCHEDULE A
(Continued)

File No.: 13-44151

CORNER THEREOF; THENCE NORTH 4.6 FEET; THENCE WEST 14.1 FEET; THENCE NORTHWESTERLY 56 FEET TO A POINT ON THE WEST LINE OF 8 FOOT VACATED ALLEY; THENCE SOUTH 60.6 FEET TO THE SOUTH LINE OF SAID LOT 15 EXTENDED WEST; THENCE EAST 14.8 FEET TO THE POINT OF BEGINNING.

AND

LOTS 19 AND 20, BLOCK 2, EAST MILLARD, AN ADDITION TO THE CITY OF OMAHA, AS SURVEYED, PLATTED, AND RECORDED IN DOUGLAS COUNTY, NEBRASKA.

COMMITMENT FOR TITLE INSURANCE

SCHEDULE B
Part II

File No.: 13-44151

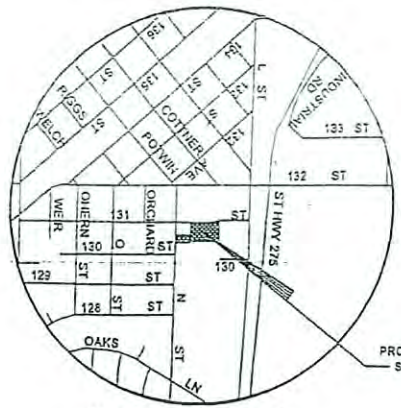
STANDARD EXCEPTIONS

Schedule B of the policy or policies to be insured will contain exceptions to the following matters unless the same are disposed of to the satisfaction of the Company:

1. Defects, liens, encumbrances, adverse claims or other matters, if any, created, first appearing in the public records or attaching subsequent to the Effective Date but prior to the date the proposed Insured acquires for value of record the estate or interest or mortgage thereon covered by the Commitment.
2. Taxes for the current year.
3. Any discrepancies, conflicts, or shortages in area or boundary lines, or any encroachments or any overlapping of improvements or other boundary or location disputes (can be eliminated or amended in mortgagee's policy upon proper evidence being furnished.)
4. Restrictive Covenants affecting the property described in Schedule A.
5. Rights or claims of parties in possession, and not of record in the public records; liens for labor, services or material or claims to same which are not of record in said records.
6. Any roadway or easement, similar or dissimilar, on, under, over or across said property, or any part thereof and not of record in said records.
7. Any titles or rights asserted by anyone, including but not limited to persons, corporations, governments, or other entities, to tidelands, or lands comprising the shores or bottoms of navigable rivers, lakes, bays, ocean or gulf, or lands beyond the line of the harbor or bulkhead lines as established by the United States Government or riparian rights, if any.

SPECIAL EXCEPTIONS

1. 2012 COUNTY TAXES AND 2013 CITY TAXES TOTAL \$18,900.14; FIRST HALF PAID; SECOND HALF BECOMES DUE AND DELINQUENT AUGUST 1, 2013. (KEY NO. 0011-0510-16) (LOT 2, L STREET)
2012 COUNTY TAXES AND 2013 CITY TAXES TOTAL \$103.36; FIRST HALF PAID; SECOND HALF BECOMES DUE AND DELINQUENT AUGUST 1, 2013. (KEY NO. 0416-0000-10) (LOT 19, BLOCK 2, EAST MILLARD)
2. 2012 COUNTY TAXES AND 2013 CITY TAXES TOTAL \$103.36; FIRST HALF PAID; SECOND HALF BECOMES DUE AND DELINQUENT AUGUST 1, 2013. (KEY NO. 0417-0000-10) (VAC ALLEY ADJ & SW 6.8' LOT 15 & ALL LOT 20, BLOCK 2, EAST MILLARD)
SPECIAL ASSESSMENTS NOT YET CERTIFIED TO IN THE OFFICE OF THE COUNTY TREASURER (NOTE NO SPECIAL ASSESSMENTS ARE SHOWN IN THE OFFICE OF THE COUNTY TREASURER AT DATE HEREOF).
FOR INFORMATION: 4813 SOUTH 131ST STREET
13018 N STREET
13014 N STREET
OMAHA, NEBRASKA 68137.



VICINITY MAP

NOTES

1. PHYSICAL ITEMS DESCRIBED IN THE LEGEND ARE NOT DRAWN TO SCALE FOR THE SAKE OF CLARITY AND ARE SUBJECT TO ANY SUBSEQUENT INACCURACIES.
2. THE SURVEYED PROPERTY LIES WITHIN A DESIGNATED ZONE "X" (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) PER THE DOUGLAS COUNTY, NEBRASKA AND INCORPORATED AREAS FLOOD INSURANCE RATE MAP NUMBER 3105500328J DATED MAY 3 2010.
3. THE SURVEYED PROPERTY CONTAINS 74,170 SQUARE FEET OR 1.70 ACRES MORE OR LESS.
4. THE SURVEYED PROPERTY IS ZONED R6 (NORTH TRACT), (LOW-DENSITY MULTIPLE-FAMILY RESIDENTIAL DISTRICT) AND R5(35) (SOUTH TRACT) (URBAN FAMILY RESIDENTIAL DISTRICT) PER THE DOUGLAS COUNTY GIS WEBSITE (<http://www.dcgis.org/dcgis/>). THESE ZONINGS HAVE THE FOLLOWING MINIMUM SETBACK REQUIREMENTS:

R-6	FRONT YARD.....	35 FEET	R5(35)	FRONT YARD.....	35 FEET
	SIDE YARD.....	10 FEET		SIDE YARD.....	10 FEET
	REAR YARD.....	25 FEET		REAR YARD.....	25 FEET
5. THE BUILDING AREAS WERE CALCULATED USING EXTERIOR BUILDING DIMENSIONS MEASURED AT GROUND LEVEL.
6. THERE ARE 24 STANDARD PARKING SPACES AND NO HANDICAPPED PARKING SPACES AND 15 DETACHED GARAGE SPACES ON THE PROPERTY.
7. THERE ARE NO EASEMENTS LISTED UNDER SCHEDULE B-PART B OF STEWART TITLE GUARANTY COMPANY COMMITMENT FOR TITLE INSURANCE NO. 13-44151, EFFECTIVE DATE JULY 2, 2013 AT 09:00 A.M.

CERTIFICATION

TO STRAUS PROPERTIES, LLC.
 LOUISE PALANORI-PALMISANO FAMILY LIMITED PARTNERSHIP,
 A NEBRASKA LIMITED PARTNERSHIP.
 STEWART TITLE GUARANTY COMPANY AND
 CORNHUSKER LAND TITLE COMPANY.
 THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY
 ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE
 2011 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/ACSM
 LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY
 ALTA AND NSPS, AND INCLUDES ITEMS 1, 2, 3, 4, 6(B), 7(A),
 7(B), 8, 9 AND 11(A) OF TABLE A THEREOF. THE FIELD WORK
 WAS COMPLETED ON JULY 17, 2013.



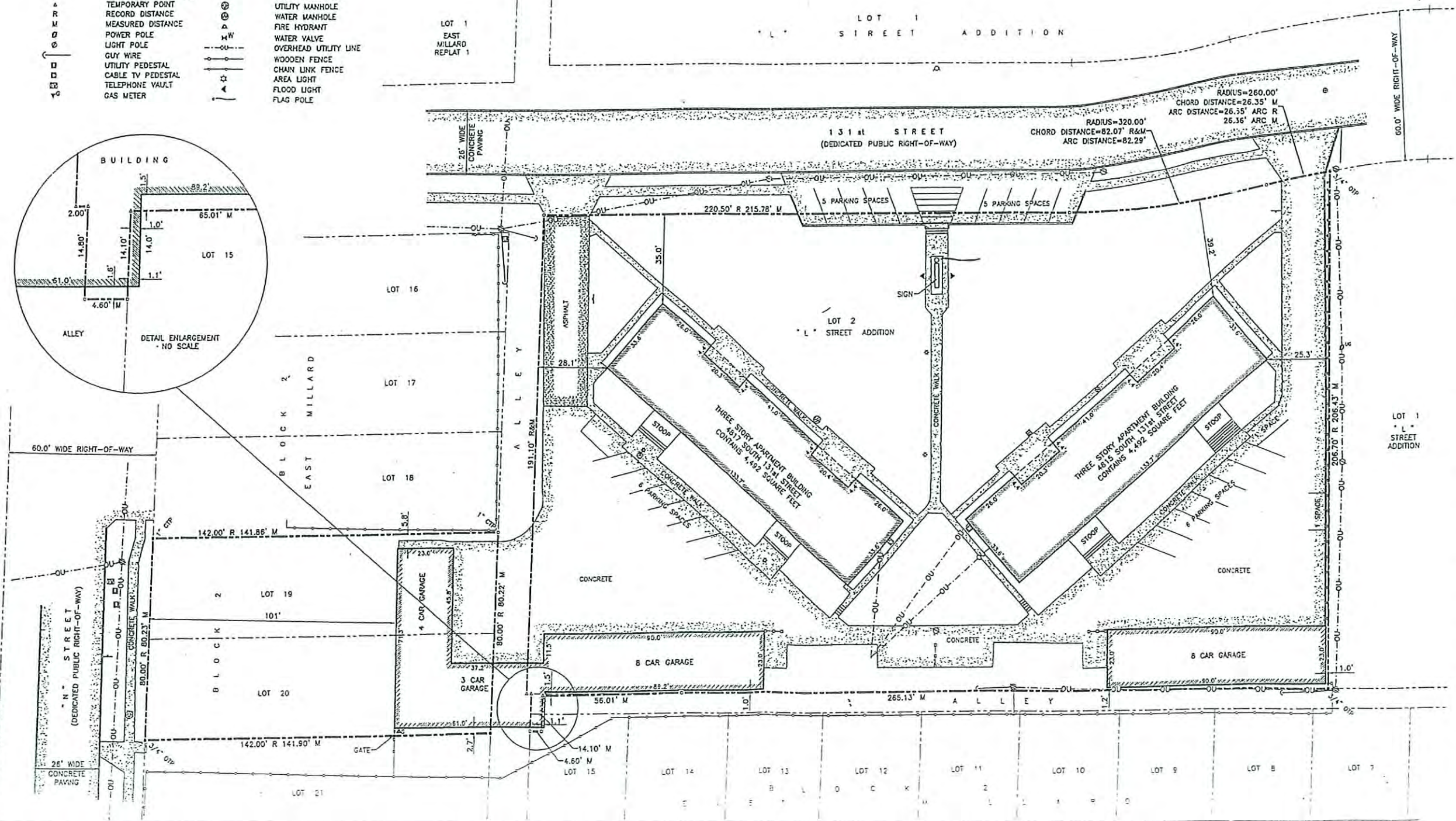
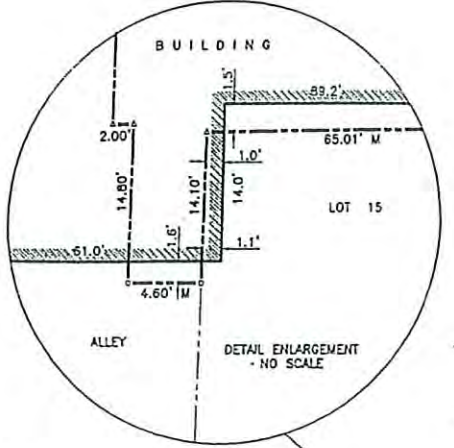
JULY 17, 2013
 DATE

LEGAL DESCRIPTION

LOT 2, "L" STREET ADDITION, AN ADDITION TO THE CITY OF
 OMAHA, AS SURVEYED, PLATTED, AND RECORDED IN DOUGLAS
 COUNTY, NEBRASKA.
 AND
 THAT PART OF LOT 15, BLOCK 2, EAST MILLARD, AND THAT
 PART OF VACATED ALLEY LYING WEST OF AND ADJOINING, AN
 ADDITION TO THE CITY OF OMAHA, AS SURVEYED, PLATTED,
 AND RECORDED IN DOUGLAS COUNTY, NEBRASKA, MORE
 PARTICULARLY DESCRIBED AS FOLLOWS: BEGINNING AT A POINT
 ON THE SOUTH LINE OF SAID LOT 15, 16.8 FEET EAST OF
 THE SOUTHWEST CORNER THEREOF, THENCE NORTH 4.6 FEET;
 THENCE WEST 14.1 FEET, THENCE NORTHWESTERLY 56 FEET
 TO A POINT ON THE WEST LINE OF 8 FOOT VACATED ALLEY,
 THENCE SOUTH 60.6 FEET TO THE SOUTH LINE OF SAID LOT
 15 EXTENDED WEST, THENCE EAST 14.8 FEET TO THE POINT
 OF BEGINNING.
 AND
 LOTS 19 AND 20, BLOCK 2, EAST MILLARD, AN ADDITION TO
 THE CITY OF OMAHA, AS SURVEYED, PLATTED, AND RECORDED
 IN DOUGLAS COUNTY, NEBRASKA.

LEGEND

•	PROPERTY CORNER FOUND	—	SIGN
○	PROPERTY CORNER SET	⊕	SEWER MANHOLE
△	TEMPORARY POINT	⊙	UTILITY MANHOLE
R	RECORD DISTANCE	⊗	WATER MANHOLE
M	MEASURED DISTANCE	△	FIRE HYDRANT
⊙	POWER POLE	HW	WATER VALVE
⊙	LIGHT POLE	—OU—	OVERHEAD UTILITY LINE
⊙	GUY WIRE	—W—	WOODEN FENCE
⊙	UTILITY PEDESTAL	—C—	CHAIN LINK FENCE
⊙	CABLE TV PEDESTAL	—A—	AREA LIGHT
⊙	TELEPHONE VAULT	—F—	FLOOD LIGHT
⊙	GAS METER	—	FLAG POLE



Thompson, dressen & dornier, inc.
 10836 Old Mill Rd
 Omaha, NE 68154
 p.402.330.8860 f.402.330.5866
 td2co.com

Survey Type
 ALTA/ACSM LAND
 TITLE SURVEY

Client Name
 RUSSELL
 DAUB

Description



Revision Dates

No.	Description	MM-DD-YY

Job No.: 1767-123-1(AL)
 Drawn By: RJR
 Reviewed By: JDW
 Date: JULY 17, 2013
 Grid Book: 110
 Pages: 61-64

Sheet Title

Sheet Number

SHEET 1 OF 1

(CORPORATION)

The acknowledgement of the signature of a corporation must have attached a copy of the By-Law or Resolution, duly certified by corporation officers, under and by virtue of which such signature was affixed to said petition.

Acknowledgement of signature to petition for vacating and narrowing of the following part of street(s) — to wit: _____
alley(s) _____

within Omaha, Nebraska

State of Nebraska)
) ss.
Douglas County)

On this 28 day of August A.D., Two Thousand and Thirteen
before me, a Notary Public in and for said County, personally appeared Douglas Lehnhoff Straub, II,
(Name)

Managing Member of Straub Properties, L.L.C.
(Title) (Corporation)

who is personally known to me to be the identical person(s) whose name(s) is affixed to the annexed
are petition of owners of lots and lands abutting upon said part of said street(s) in the City of Omaha,
are alley(s) Nebraska for the vacation of said part of said street(s) and who is personally known to me to be the
are alley(s) Company he has acknowledged the signing of said
Managing Member of said Corporation and she have his
their Company
petition to be her voluntary act and deed, and the voluntary act and deed of said Corporation.

Witness my hand and notarial seal on the day and date above written.



Mary Jo McClurg
(Notary Public)

My Notarial Commission expires the 28th day of August 2013

AGENDA SUMMARY SHEET

Meeting Date: November 18, 2013

Department: Human Resources

Action Desired: Approval

Background: Personnel items: (1) RNI (Retirement Notification Incentive)
(2) VSP (Voluntary Separation Program)

Options/Alternatives Considered: N/A

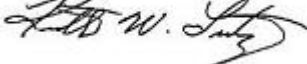
Recommendations: Approval

Strategic Plan Reference: N/A

Implications of Adoption/Rejection: N/A

Timeline: N/A

Responsible Persons: Jim Sutfin, Ed.D.

Superintendent's Signature: _____  _____

November 18, 2013

Resignation Notification Incentive

Recommend: The following resignations be approved to participate in the District's Resignation Notification Incentive Program:

1. Debra M. Peterson – Speech Language Pathologist for Millard Public Schools. She is retiring at the end of the 2013-2014 school year.
2. John F. May – Math Teacher at Millard West High School. He is retiring at the end of the 2013-2014 school year.
3. Jane L. Couture – World Language Teacher at Millard West High School. She is retiring at the end of the 2013-2014 school year.
4. Julie A. Sandene – Vocal Music Teacher at Montclair Elementary School. She is retiring at the end of the 2013-2014 school year.

November 18, 2013

Voluntary Separation Program (VSP)

Recommend: The following qualified candidates be approved to participate in the District's Voluntary Separation Program.

1. Dr. Keith Lutz – Superintendent of Millard Public Schools. ~ 25 years of service

AGENDA SUMMARY SHEET

AGENDA ITEM: Bond Construction Report

MEETING DATE: November 18, 2013

DEPARTMENT: General Administration

TITLE & BRIEF DESCRIPTION: Construction Report – A report from the District’s construction management firm with regard to the progress on projects related to the 2013 bond issue.

ACTION DESIRED: Approval ___ Discussion ___ Information Only x

BACKGROUND: The District has engaged the services of Sampson Construction to act as the construction manager for the District’s construction/renovation projects related to the 2013 bond issue.

Dave Cavlovic and/or Craig Geis (Samson Construction) will be present at the meeting to present the construction update (see attached) and to answer questions.

OPTIONS AND ALTERNATIVES: n/a

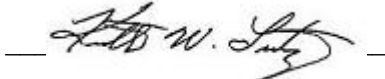
RECOMMENDATION: n/a

STRATEGIC PLAN REFERENCE: n/a

IMPLICATIONS OF ADOPTION/REJECTION: n/a

TIMELINE: n/a

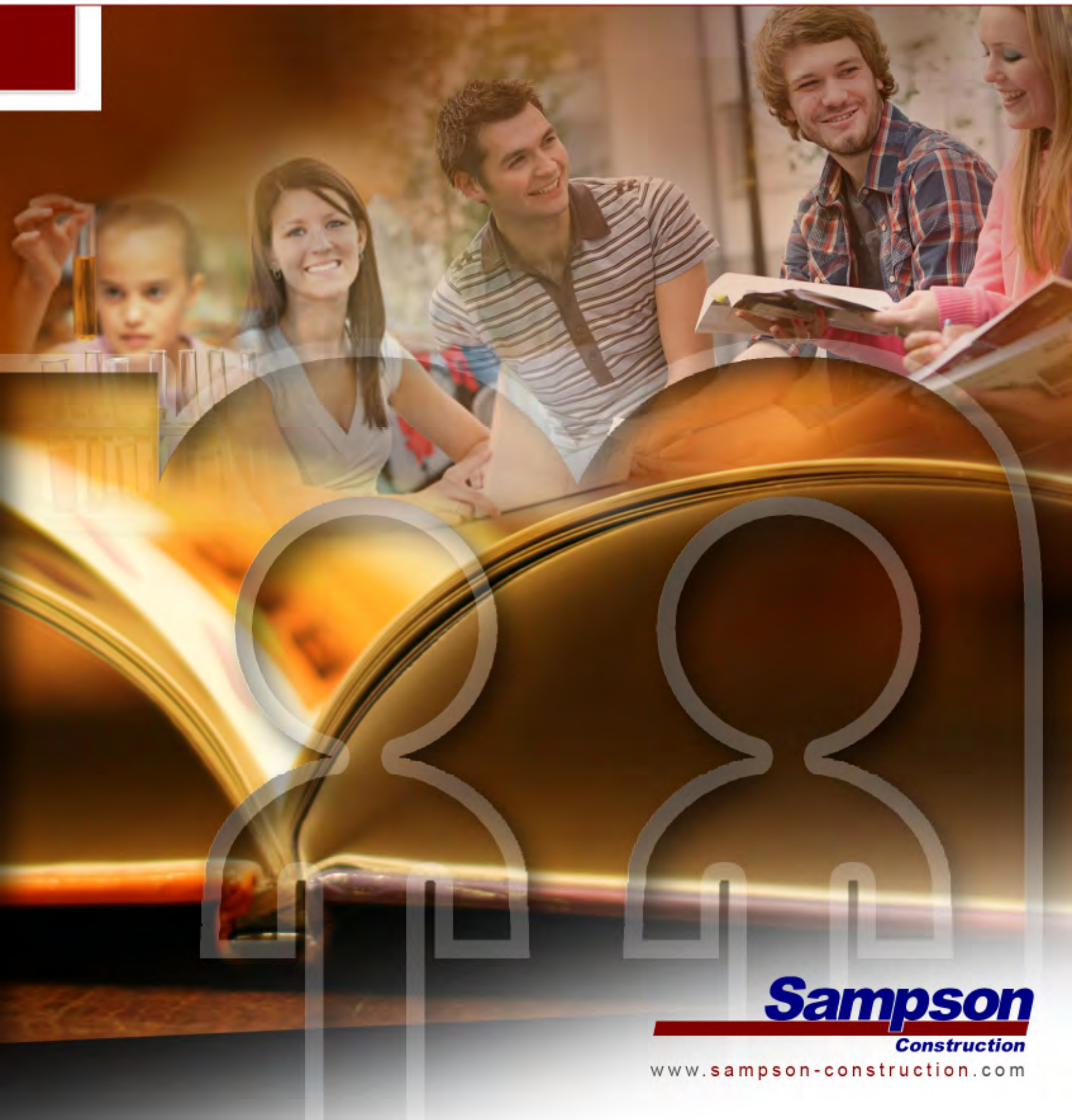
RESPONSIBLE PERSON: Sampson Construction (CMa), Ed Rockwell (Gen. Mgr. Support Services), and Ken Fossen, Associate Superintendent (General Administration)

SUPERINTENDENT’S APPROVAL: 

MILLARD PUBLIC SCHOOLS

Bond Construction Progress Report

November 2013



Sampson
Construction

www.sampson-construction.com



11/12/2013



Bond Construction Progress Report.

Contents

- I. Executive Summary
- II. Project Status Report
 - a. **Bryan Elementary - Active**
 - b. Black Elk Elementary - Pending
 - c. **North High School – Active**
 - d. South High School – Pending
 - e. West High School – Pending
 - f. **Ron Witt Support Services Center - Active**
 - g. Abbott Elementary – Pending
 - h. **Ackerman Elementary - Active**
 - i. **Aldrich Elementary - Active**
 - j. **Cottonwood Elementary - Active**
 - k. Ezra Elementary – Pending
 - l. **Harvey Oaks Elementary - Active**
 - m. **Hitchcock Elementary - Active**
 - n. Disney Elementary – Pending
 - o. **Montclair Elementary - Active**
 - p. Neihardt Elementary – Pending
 - q. Rockwell Elementary – Pending
 - r. Upchurch Elementary – Pending
 - s. Willowdale Elementary – Pending
- III. Overall Project Schedule
- IV. Overall Project Budget



11/12/2013



Executive Summary

Sampson Construction has continued to meet with the Executive Construction Committee on a weekly basis. Schematic designs for the following projects have been presented to the ECC and are scheduled for presentation to the Board of Education in November and December.

Cottonwood

Montclair

Ackerman

Harvey Oaks

Bryan

Ron Witt

Aldrich

Hitchcock

After schematic designs are approved, design development will begin, leading to request for approval of construction documents. These are expected to start being presented to the Board of Education in late January or early February 2014.



11/12/2013



Project #1

Bryan Elementary Interior and Exterior Renovations

5010 S 144th Street, 68137

Architect/Engineer: BCDM / Morrissey

Project Budget: \$4,300,956

Estimated Construction Budget: \$3,258,300

Construction Start: Spring 2014

Construction Completion: Summer 2015

Scope Description:

This project consists of the removal and replacement of the existing exterior curtain walls. This includes the glazing, electrical, and mechanical fin tubes. The building will get re-roofed with the exception of the North addition. Interior renovation will include two new ADA restrooms, finishes and lighting. The building will receive a new secure entry vestibule along with new kindergarten corridor openings. Other updates include upgrading fire alarm system, occupancy sensors, intercom system and mechanical systems as budget allows.

Current Activity:

BCDM is presenting schematic design to the BOE on 11-18-13 for approval.



11/12/2013



Project #2/14

Black Elk Elementary Classroom and MP Room Additions

6708 S. 161st Ave, 68135

Architect/Engineer: Carlson West Povondra / Morrissey

Project Budget: \$2,138.730

Estimated Construction Budget: \$1,620,250

Construction Start: Spring of 2015

Construction Completion: Winter 2015

Scope Description:

This project consists of a single story 6 classroom addition of approximately 6,000SF on the Southwest corner of the building, a 3,500SF multi-purpose addition on the North side of the building, and lockable classroom doors. Site work will be required to accommodate the additions.

Current Activity:

Carlson West Povondra has started schematic design for this project. It is currently being accelerated at the direction of the ECC. A decision on when construction for this project begins will be made later in the calendar year.



11/12/2013



Project #3

North High School Connector Addition and Renovation

1010 S. 144th St., 68154

Architect/Engineer: BCDM / Morrissey

Project Budget: \$11,574,756

Estimated Construction Budget: \$8,768,755

Construction Start: Spring 2015

Construction Completion: Summer 2016

Scope Description:

Scope includes the addition of the main and second level corridors between the North and South classroom wings. A new secure main entrance will be established along with a new administration/guidance program area. A lecture hall will be incorporated into the new layout. New paint and flooring in areas affected by construction. Fire sprinkler system will be provided as required by fire marshal.

Current Activity:

BCDM is in the very early stages of schematic design. Most activity on this project will take place after Bryan Elementary and Ron Witt designs are established.



11/12/2013



Project #4
South High School Industrial Tech Addition and Renovation
14905 Q St., 68137

Architect/Engineer: BCDM / Morrissey

Project Budget: \$2,679,712

Estimated Construction Budget: \$2,043,721

Construction Start: Spring 2016

Construction Completion: Fall 2017

Scope Description:

This project consists of a 5,000SF Industrial Technology addition and renovation of the existing Industrial Technology, Metal Shop, and Graphics space. The addition will be on the west and will begin in the spring of 2016. Finishes inside the existing building will be limited to the renovation of the previously mentioned spaces.

Current Activity:

Pending



11/12/2013



Project #5

West High School Industrial Tech Addition and Renovation

5710 S 176th Ave, 68135

Architect/Engineer: Purdy and Slack / Morrissey

Project Budget: \$1,560,236

Estimated Construction Budget: \$1,181,997

Construction Start: Spring of 2016

Construction Completion: Fall 2017

Scope Description:

This project consists of a 4,800SF Industrial Technology addition and renovation of the existing Industrial Technology, Labs and Classroom space. The addition will be near the Southwest side of the building and will begin in the spring of 2016. This work will be on-going during the school year and will need to be completed prior to renovation work in the existing school being done. The renovation work will be scheduled at times when the school is not occupied, or at least the renovation area is not occupied. Finishes inside the existing building will be limited to the renovation of the previously mentioned spaces. The renovation space in this project is significantly smaller than that at South High School.

Current Activity:

Pending



11/12/2013



Project #6

Ron Witt Support Services Center Phase II Exterior Renovation

13737 Industrial Road, 68137

Architect/Engineer: BCDM / Morrissey

Project Budget: \$696,767

Estimated Construction Budget: \$527,854

Construction Start: Summer 2014

Construction Completion: Winter 2014

Scope Description:

Project includes the renovation of the existing exterior conditions for the portion of the main building that was not remodeled in 2010. Remodel includes new TPO roof (approximately 53,000 SF), skylights, exterior hollow metal and overhead doors. Budget also includes replacing of corroded room and sidewall panels and repainting of sidewalls. Rebuild approximately 2,250 sf of the exterior walls at old cafeteria. And install new gutters and downspouts as well.

Current Activity

BCDM is presenting schematic design to the BOE on 11-18-13 for approval.



11/12/2013



Project #7

Abbott Elementary Open to Close

1313 N. 156th St, 68118

Architect/Engineer: Purdy and Slack / Morrissey

Project Budget: \$849,734

Estimated Construction Budget: \$643,738

Construction Start: Summer 2015

Construction Completion: Summer 2015

Scope Description:

Scope includes new doors to classrooms from the corridor. These doors will be provided with classroom security locksets. Replacement of finishes will be limited to those affected by construction. Mechanical work will be limited to that affected by the newly enclosed spaces.

Current Activity:

Pending



11/12/2013



Project #8

Ackerman Elementary Open to Close

5110 S. 156th St, 68135

Architect/Engineer: Carlson West Povondra / Morrissey

Project Budget: \$235,636

Estimated Construction Budget: \$178,512

Construction Start: Summer 2014

Construction Completion: Summer 2014

Scope Description:

Scope includes new doors to classrooms from the corridor. These doors will be provided with classroom security locksets. Replacement of finishes will be limited to those affected by construction. Mechanical work will be limited to that affected by the newly enclosed spaces.

Current Activity:

Carlson West Povondra is presenting schematic design to the BOE on 11-18-13 for approval.



11/12/2013



Project #9

Aldrich Elementary Open to Close

506 N. 162nd Ave, 68118

Architect/Engineer: CLH / Farris

Project Budget: \$647,812

Estimated Construction Budget: \$490,767

Construction Start: Summer 2014

Construction Completion: Summer 2014

Scope Description:

Scope includes new doors to classrooms from the corridor. These doors will be provided with classroom security locksets. Replacement of finishes will be limited to those affected by construction. Mechanical work will be limited to that affected by the newly enclosed spaces

Current Activity:

CLH is presenting schematic design to the BOE on 11-18-13 for approval.



11/12/2013



Project #10

Cottonwood Elementary Open to Close

615 Piedmont Dr. 68154

Architect/Engineer: Purdy and Slack

Project Budget: \$962,391

Estimated Construction Budget: \$729,084

Construction Start: Summer 2014

Construction Completion: Summer 2014

Scope Description:

Scope includes new doors to classrooms from the corridor. These doors will be provided with classroom security locksets. Replacement of finishes will be limited to those affected by construction. Mechanical work will be limited to that affected by the newly enclosed spaces

Current Activity:

Schematic design was approved 11-4-2013. Design development is taking place.



11/12/2013



Project #11

Ezra Elementary Open to Close

506 N. 162nd Ave, 68118

Architect/Engineer: Purdy and Slack / Morrissey

Project Budget: \$842,346

Estimated Construction Budget: \$638,141

Construction Start: Summer 2015

Construction Completion: Summer 2015

Scope Description:

Scope includes new doors to classrooms from the corridor. These doors will be provided with classroom security locksets. Replacement of finishes will be limited to those affected by construction. Mechanical work will be limited to that affected by the newly enclosed spaces

Current Activity:

Pending



11/12/2013



Project #12

Harvey Oaks Elementary Open to Close

15228 Shirley St, 68144

Architect/Engineer: Purdy and Slack / Morrissey

Project Budget: \$767,518

Estimated Construction Budget: \$581,453

Construction Start: Summer 2014

Construction Completion: Summer 2014

Scope Description:

Scope includes new doors to classrooms from the corridor. These doors will be provided with classroom security locksets. Replacement of finishes will be limited to those affected by construction. Mechanical work will be limited to that affected by the newly enclosed spaces

Current Activity:

Purdy and Slack is presenting schematic design to the BOE on 11-18-13 for approval.



11/12/2013



Project #13

Hitchcock Elementary Open to Close

5809 S. 104th St. 68127

Architect/Engineer: Reinhardt / Alvine

Project Budget: \$198,238

Estimated Construction Budget: \$150,180

Construction Start: Summer 2015

Construction Completion: Summer 2015

Scope Description:

Scope includes new doors to classrooms from the corridor. These doors will be provided with classroom security locksets. Replacement of finishes will be limited to those affected by construction. Mechanical work will be limited to that affected by the newly enclosed spaces

Current Activity:

Reinhardt has presented the schematic design to the Executive Construction. Schematic Design is scheduled to be brought to the BOE in December for approval.



11/12/2013



Project #15

Disney Elementary Open to Close

506 N. 162nd Ave, 68118

Architect/Engineer: Purdy and Slack / Morrissey

Project Budget: 2,009,568

Estimated Construction Budget: \$1,522,400

Construction Start: Summer 2015

Construction Completion: Summer 2016

Scope Description:

This project is currently scheduled for two summers of work due to the amount of new walls that will need to be added in order to close the classroom spaces. Renovations of finishes are still limited to the areas directly impacted. Mechanical work will be limited to that affected by the newly enclosed spaces

Current Activity:

Pending



11/12/2013



Project #16
Montclair Elementary Open to Close
2405 S. 138th St., 68144

Architect/Engineer: Purdy and Slack / Morrissey

Project Budget: \$1,859,352

Estimated Construction Budget: \$1,408,600

Construction Start: Summer 2014

Construction Completion: Summer 2015

Scope Description:

This project is currently scheduled for two summers of work due to the amount of new walls that will need to be added in order to close the classroom spaces. Renovations of finishes are still limited to the areas directly impacted. Mechanical work will be limited to that affected by the newly enclosed spaces. This project will most likely see less hard walls than shown in the RFP documents because of the Montessori Program.

Current Activity:

Purdy and Slack is presenting schematic design to the BOE on 11-18-13 for approval.



11/12/2013



Project #17

Neihardt Elementary Open to Close

506 N. 162nd Ave, 68118

Architect/Engineer: Purdy and Slack / Morrissey

Project Budget: \$3,491,400

Estimated Construction Budget: \$2,645,000

Construction Start: Summer 2016

Construction Completion: Summer 2017

Scope Description:

This project is currently scheduled for two summers of work due to the amount of new walls that will need to be added in order to close the classroom spaces. Renovations of finishes are still limited to the areas directly impacted. Mechanical work will be limited to that affected by the newly enclosed spaces.

Current Activity:

Pending



11/12/2013



Project #18

Rockwell Elementary Open to Close

506 N. 162nd Ave, 68118

Architect/Engineer: BCDM / Morrissey

Project Budget: \$1,121,604

Estimated Construction Budget: \$849,700

Construction Start: Summer 2015

Construction Completion: Summer 2015

Scope Description:

This project will enclose the classrooms with corridor walls and lockable doors. Renovation of finishes will be limited to those directly affected by construction. Mechanical Work will be limited to that affected by the newly enclosed spaces.

Current Activity:

Pending



11/12/2013



Project #19

Upchurch Elementary Open to Close

506 N. 162nd Ave, 68118

Architect/Engineer: CLH / Morrissey

Project Budget: \$67,980

Estimated Construction Budget: \$51,500

Construction Start: Summer 2016

Construction Completion: Summer 2016

Scope Description:

This project will enclose the classrooms with corridor walls and lockable doors. Renovation of finishes will be limited to those directly affected by construction. Mechanical work will be limited to that affected by the newly enclosed spaces.

Current Activity:

Pending



11/12/2013



Project #20

Willowdale Elementary Open to Close

506 N. 162nd Ave, 68118

Architect/Engineer: Purdy and Slack / Morrissey

Project Budget: \$1,013,232

Estimated Construction Budget: \$767,600

Construction Start: Summer 2015

Construction Completion: Summer 2015

Scope Description:

This project will enclose the classrooms with corridor walls and lockable doors. Renovation of finishes will be limited to those directly affected by construction. Mechanical work will be limited to that affected by the newly enclosed spaces.

Current Activity:

Pending

ID	Project #	Description	Task Name	A / E Firm	Start	Finish	2014												2015												2016												2017											
							Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec						
1			Millard Public Schools Bond Issue		Tue 8/6/13	Thu 9/14/17	[Summary bar]																																															
2			Pre-Construction Activities		Tue 8/6/13	Thu 5/28/15	[Summary bar]																																															
11	1	Int / Ext	Bryan Elementary	BCDM	Fri 9/6/13	Mon 8/31/15	[Summary bar]																																															
12			A/E Schematic Design		Fri 9/6/13	Thu 10/17/13	[Task bar]																																															
13			BOE Schematic Design Approval		Mon 11/18/13	Mon 11/18/13	[Task bar]																																															
14			A/E Design Development		Tue 11/19/13	Mon 12/23/13	[Task bar]																																															
15			Prepare Construction Docs		Tue 12/24/13	Thu 2/20/14	[Task bar]																																															
16			BOE Approval of Construction Documents		Mon 3/3/14	Mon 3/3/14	[Task bar]																																															
17			Bid Period		Tue 3/4/14	Wed 3/26/14	[Milestone diamond 3/26]																																															
18			BOE Approval of Bid		Mon 4/7/14	Mon 4/7/14	[Task bar]																																															
19			Contracts		Tue 4/8/14	Mon 4/14/14	[Task bar]																																															
20			Procurement / Owner Prep		Tue 4/15/14	Mon 4/21/14	[Task bar]																																															
21			Construction		Tue 4/22/14	Mon 7/20/15	[Task bar]																																															
22			Occupy / Move / Training / Closeout		Tue 7/21/15	Mon 8/31/15	[Task bar]																																															
23	3	Connector	North High School	BCDM	Tue 12/17/13	Thu 8/25/16	[Summary bar]																																															
24			A/E Schematic Design		Tue 12/17/13	Mon 3/31/14	[Task bar]																																															
25			BOE Schematic Design Approval		Mon 4/7/14	Mon 4/7/14	[Task bar]																																															
26			A/E Design Development		Tue 4/8/14	Mon 9/8/14	[Task bar]																																															
27			Prepare Construction Docs		Tue 9/9/14	Mon 3/2/15	[Task bar]																																															
28			BOE Approval of Construction Documents		Mon 3/16/15	Mon 3/16/15	[Task bar]																																															
29			Bid Period		Tue 3/17/15	Mon 4/27/15	[Milestone diamond 4/27]																																															
30			BOE Approval of Bid		Mon 5/4/15	Mon 5/4/15	[Task bar]																																															
31			Contracts		Tue 5/5/15	Thu 5/14/15	[Task bar]																																															
32			Procurement / Owner Prep		Fri 5/15/15	Thu 5/28/15	[Task bar]																																															
33			Construction		Fri 5/29/15	Thu 7/14/16	[Task bar]																																															
34			Occupy / Move / Training / Closeout		Fri 7/15/16	Thu 8/25/16	[Task bar]																																															
35	4	Add / Renov	South High School	BCDM	Fri 5/29/15	Thu 8/24/17	[Summary bar]																																															
36			A/E Schematic Design		Fri 5/29/15	Thu 7/16/15	[Task bar]																																															
37			BOE Schematic Design Approval		Mon 7/20/15	Mon 7/20/15	[Task bar]																																															
38			A/E Design Development		Tue 7/21/15	Mon 9/28/15	[Task bar]																																															
39			Prepare Construction Docs		Tue 9/29/15	Thu 1/14/16	[Task bar]																																															
40			BOE Approval of Construction Documents		Mon 1/18/16	Mon 1/18/16	[Task bar]																																															
41			Bid Period		Tue 1/19/16	Mon 2/22/16	[Milestone diamond 2/22]																																															
42			BOE Approval of Bid		Mon 3/7/16	Mon 3/7/16	[Task bar]																																															
43			Contracts		Tue 3/8/16	Thu 3/17/16	[Task bar]																																															
44			Procurement / Owner Prep		Fri 3/18/16	Thu 3/31/16	[Task bar]																																															
45			Construction		Fri 4/1/16	Thu 7/13/17	[Task bar]																																															
46			Occupy / Move / Training / Closeout		Fri 7/14/17	Thu 8/24/17	[Task bar]																																															
47	5	Add / Renov	West High School	Purdy & Slack	Mon 6/9/14	Thu 8/24/17	[Summary bar]																																															
48			Summer High School 2014		Mon 6/9/14	Fri 7/18/14	[Task bar]																																															
49			Summer High School 2015		Mon 6/8/15	Fri 7/17/15	[Task bar]																																															
50			Summer High School 2016		Mon 6/6/16	Fri 7/15/16	[Task bar]																																															

Project: MPS Overall
Date: Mon 11/11/13

Task		Summary		External Milestone		Inactive Summary		Manual Summary Rollup		Finish-only	
Split		Project Summary		Inactive Task		Manual Task		Manual Summary		Deadline	
Milestone		External Tasks		Inactive Milestone		Duration-only		Start-only		Progress	

**MILLARD PUBLIC SCHOOLS
2013 BOND ISSUE
COST REPORT**

Project	Est. Constr. Cost	Contingency	Soft Costs	Total Proj. Budget	Under Contract	Commitments						Billed to date	% Change Orders	
						Land	Off-site improvements	Architect fees	CM fees	General Construction	Indirect costs			Owner Equipment
Group A: Additions & Renovations														
Bryan Elem	\$ 3,258,300	\$ 325,830	\$ 716,826	\$ 4,300,956	\$ 301,481	\$ -	\$ -	\$ 195,000	\$ 106,481	\$ -	\$ -	\$ -	\$ 31,200	0%
Black Elk Elem	\$ 1,620,250	\$ 162,025	\$ 356,455	\$ 2,138,730	\$ 155,816	\$ -	\$ -	\$ 102,866	\$ 52,950	\$ -	\$ -	\$ -	\$ 7,715	0%
North high	\$ 8,768,755	\$ 876,876	\$ 1,929,126	\$ 11,574,757	\$ 826,563	\$ -	\$ -	\$ 540,000	\$ 286,642	\$ -	\$ -	\$ -	\$ 5,400	0%
South high	\$ 2,043,721	\$ 204,372	\$ 449,619	\$ 2,697,712	\$ 203,789	\$ -	\$ -	\$ 137,000	\$ 66,789	\$ -	\$ -	\$ -	\$ -	0%
West high	\$ 1,181,997	\$ 118,200	\$ 260,039	\$ 1,560,236	\$ 94,678	\$ -	\$ -	\$ 56,050	\$ 38,628	\$ -	\$ -	\$ -	\$ -	0%
Ron Witt	\$ 527,854	\$ 52,785	\$ 116,128	\$ 696,767	\$ 54,750	\$ -	\$ -	\$ 37,500	\$ 17,250	\$ -	\$ -	\$ -	\$ 4,500	0%
Group B: Open to Closed Renovations														
Abbott	\$ 643,738	\$ 64,374	\$ 141,622	\$ 849,734	\$ 54,287	\$ -	\$ -	\$ 33,250	\$ 21,037	\$ -	\$ -	\$ -	\$ -	0%
Ackerman	\$ 178,512	\$ 17,851	\$ 39,273	\$ 235,636	\$ 19,422	\$ -	\$ -	\$ 13,588	\$ 5,834	\$ -	\$ -	\$ -	\$ 4,076	0%
Aldrich	\$ 490,767	\$ 49,077	\$ 107,969	\$ 647,812	\$ 61,038	\$ -	\$ -	\$ 45,000	\$ 16,038	\$ -	\$ -	\$ -	\$ -	0%
Cottonwood	\$ 729,084	\$ 72,908	\$ 160,398	\$ 962,391	\$ 62,776	\$ -	\$ -	\$ 38,950	\$ 23,826	\$ -	\$ -	\$ -	\$ 5,433	0%
Ezra	\$ 638,141	\$ 63,814	\$ 140,391	\$ 842,346	\$ 55,054	\$ -	\$ -	\$ 34,200	\$ 20,854	\$ -	\$ -	\$ -	\$ -	0%
Harvey Oaks	\$ 581,453	\$ 58,145	\$ 127,920	\$ 767,518	\$ 51,302	\$ -	\$ -	\$ 32,300	\$ 19,002	\$ -	\$ -	\$ -	\$ 1,615	0%
Hitchcock	\$ 150,180	\$ 15,018	\$ 33,040	\$ 198,238	\$ 17,658	\$ -	\$ -	\$ 12,750	\$ 4,908	\$ -	\$ -	\$ -	\$ -	0%
Black Elk	Incl. above	Incl. above	Incl. above	Incl. above	Incl. above	Incl. above	Incl. above	Incl. above	Incl. above	Incl. above	Incl. above	Incl. above	Incl. above	0%
Disney	\$ 1,522,400	\$ 152,240	\$ 334,928	\$ 2,009,568	\$ 124,802	\$ -	\$ -	\$ 75,050	\$ 49,752	\$ -	\$ -	\$ -	\$ -	0%
Montclair	\$ 1,408,600	\$ 140,860	\$ 309,892	\$ 1,859,352	\$ 120,133	\$ -	\$ -	\$ 74,100	\$ 46,033	\$ -	\$ -	\$ -	\$ 1,826	0%
Neihardt	\$ 2,645,000	\$ 264,500	\$ 581,900	\$ 3,491,400	\$ 199,489	\$ -	\$ -	\$ 113,050	\$ 86,439	\$ -	\$ -	\$ -	\$ -	0%
Rockwell	\$ 849,700	\$ 84,970	\$ 186,934	\$ 1,121,604	\$ 70,768	\$ -	\$ -	\$ 43,000	\$ 27,768	\$ -	\$ -	\$ -	\$ -	0%
Upchurch	\$ 51,500	\$ 5,150	\$ 11,330	\$ 67,980	\$ 7,502	\$ -	\$ -	\$ 5,819	\$ 1,683	\$ -	\$ -	\$ -	\$ -	0%
Willowdale	\$ 767,600	\$ 76,760	\$ 168,872	\$ 1,013,232	\$ 64,985	\$ -	\$ -	\$ 39,900	\$ 25,085	\$ -	\$ -	\$ -	\$ -	0%
Total Group A & B	\$ 28,057,552	\$ 2,805,755	\$ 6,172,661	\$ 37,035,969	\$ 2,546,294	\$ -	\$ -	\$ 1,629,373	\$ 917,000	\$ -	\$ -	\$ -	\$ 61,765	



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AGENDA SUMMARY SHEET

AGENDA ITEM: Comprehensive Enrollment and Boundary Report

MEETING DATE: November 18, 2013

DEPARTMENT: Office of the Superintendent

TITLE AND BRIEF DESCRIPTION: This report reflects the work of the Comprehensive Enrollment and Boundary Study Committee.

DESCRIPTION:

ACTION DESIRED: Information Only

BACKGROUND: The Comprehensive Enrollment and Boundary Study Committee completed their work on Tuesday November 12. The committee came to consensus on the maps attached to this report.

The committee discussed options with phasing and it was their general consensus to move forward as quickly as we could with the implementation of the new boundaries in a manner that would not overcrowd facilities and meet the goals of the board and committee.

The next step in the process is for the Superintendent to make a recommendation that will include a phasing plan for the changes. That recommendation will be presented at the December 2nd Board of Education Meeting.

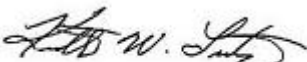
OPTIONS/ALTERNATIVE CONSIDERATIONS: N/A

RECOMMENDATIONS: N/A

STRATEGIC PLAN REFERENCE: N/A

IMPLICATIONS OF ADOPTION OR REJECTION: N/A

PERSONS RESPONSIBLE: Keith Lutz

SUPERINTENDENT'S APPROVAL: _____  _____



DRAFT

Listed below are the items the Administration and Board of Education felt were important for the Boundary Committee to know expectations for what will result in a recommendation to Administration:

- School Grade configurations will remain the same (K-5, 6-8, 9-12)
- District Administration will determine where Special Programs are located (ESL, SPED, Reading, etc.)
- Transition of the plan (Phasing, student options)
- Balance enrollments with building capacity
- Maintain neighborhood schools to the best of our ability
- Allow for school choice (IB, Montessori, and Core Academy)
- Create attendance boundaries that will minimize capacity challenges in a timeline that will make logical sense with the timeline of additions and renovation projects

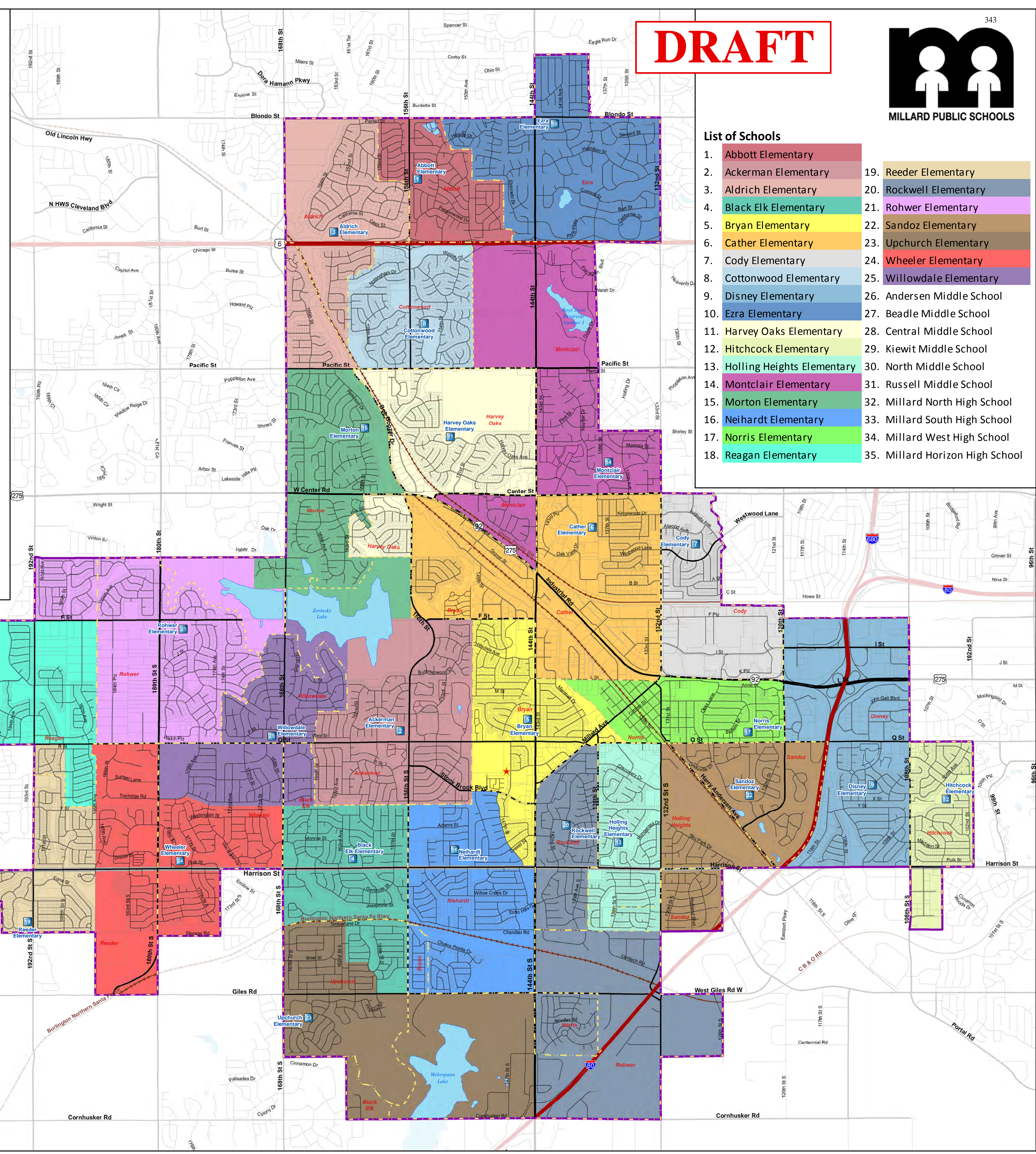
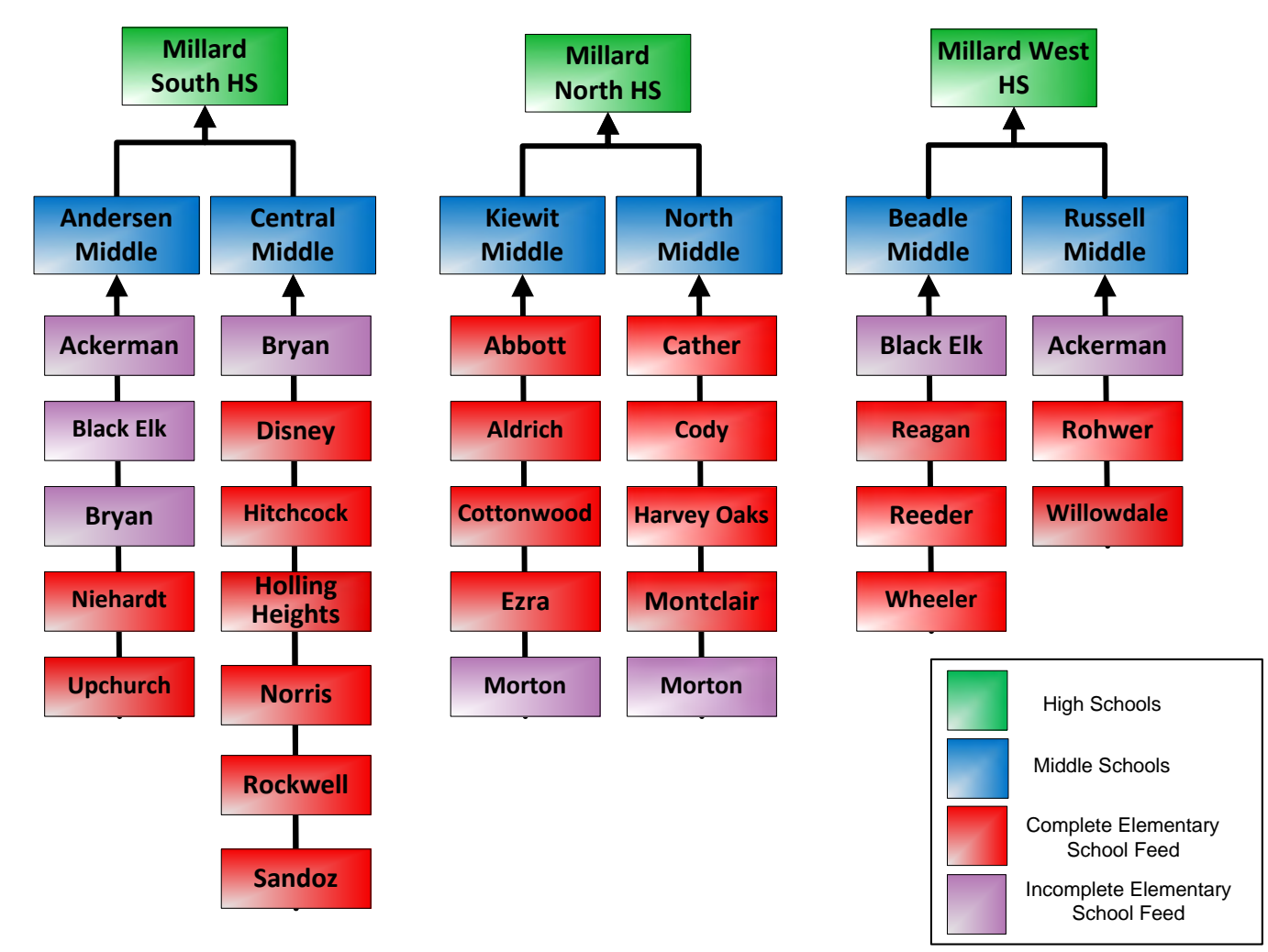
On June 11th 2013, the Board of Education discussed the 10 criteria that were to be used in the boundary process. After that discussion, by utilizing the "clickers", the criteria were prioritized. The prioritized criteria is to be used as the starting point and reference to being able to determine which boundary scenario will be best for the Millard community.

1. Projected Enrollment / Building Utilization
2. Contiguous Planning Areas
3. Duration of Boundaries
4. Fiscal Consideration - Capital
5. Neighborhoods Intact

The Future enrollment at each building will be impacted by the following items that Administration is working on having specific answers:

- Construction completion at Black Elk ES for an additional 150 capacity (June 2015 targeted completion)
- Construction completion of Rohwer ES for an additional 150 capacity (June 2014 completion)
- Construction completion of Upchurch ES for an additional 150 capacity (December 2013 completion)
- Student phasing options District Administration recommends
- Special program location
- Internal Transfer policy
- Capacity at each school to determine the number of Learning Community Students that can be approved at each school

Scenario 3 Feeder System (Committee Recommendation)



List of Schools

- | | |
|--------------------------------|---------------------------------|
| 1. Abbott Elementary | 19. Reeder Elementary |
| 2. Ackerman Elementary | 20. Rockwell Elementary |
| 3. Aldrich Elementary | 21. Rohwer Elementary |
| 4. Black Elk Elementary | 22. Sandoz Elementary |
| 5. Bryan Elementary | 23. Upchurch Elementary |
| 6. Cather Elementary | 24. Wheeler Elementary |
| 7. Cody Elementary | 25. Willowdale Elementary |
| 8. Cottonwood Elementary | 26. Andersen Middle School |
| 9. Disney Elementary | 27. Beadle Middle School |
| 10. Ezra Elementary | 28. Central Middle School |
| 11. Harvey Oaks Elementary | 29. Kiewit Middle School |
| 12. Hitchcock Elementary | 30. North Middle School |
| 13. Holling Heights Elementary | 31. Russell Middle School |
| 14. Montclair Elementary | 32. Millard North High School |
| 15. Morton Elementary | 33. Millard South High School |
| 16. Neihardt Elementary | 34. Millard West High School |
| 17. Norris Elementary | 35. Millard Horizon High School |
| 18. Reagan Elementary | |

Millard Public Schools

Committee Recommendation (Elementary)

- Schools
- Administration Center
- District Boundary
- 2013/14 Elementary Boundary
- County Boundary

Note: Red text label on map indicates the Existing (2013/14) Boundary.

RSP logo with a compass rose. Map data provided by Millard Public Schools, Douglas County, Sarpy County, Nebraska Department of Natural Resources, and ESRI. Map created November 2013. Scale bar shows 0, 1, 2 Miles.



DRAFT

Listed below are the items the Administration and Board of Education felt were important for the Boundary Committee to know expectations for what will result in a recommendation to Administration:

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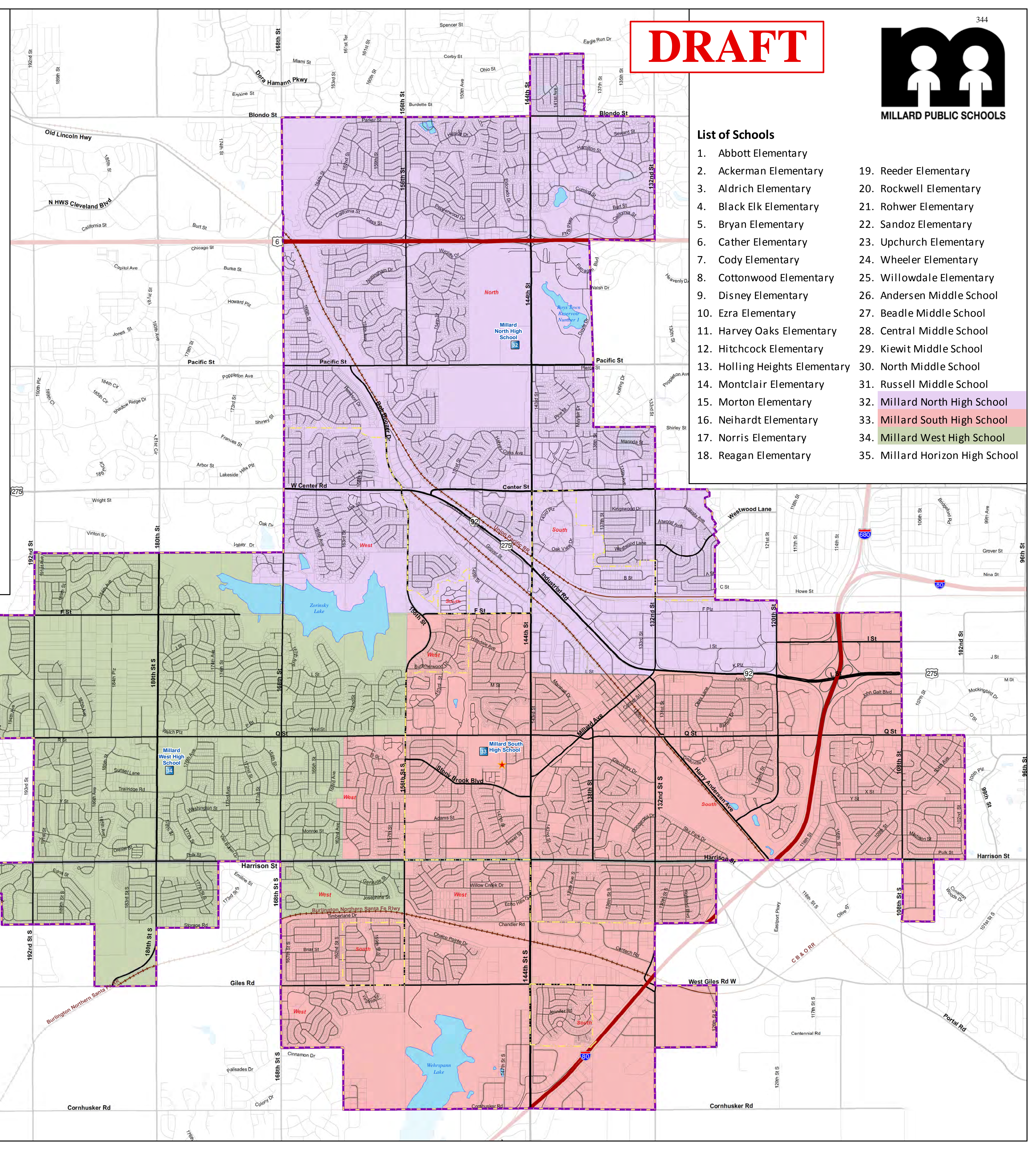
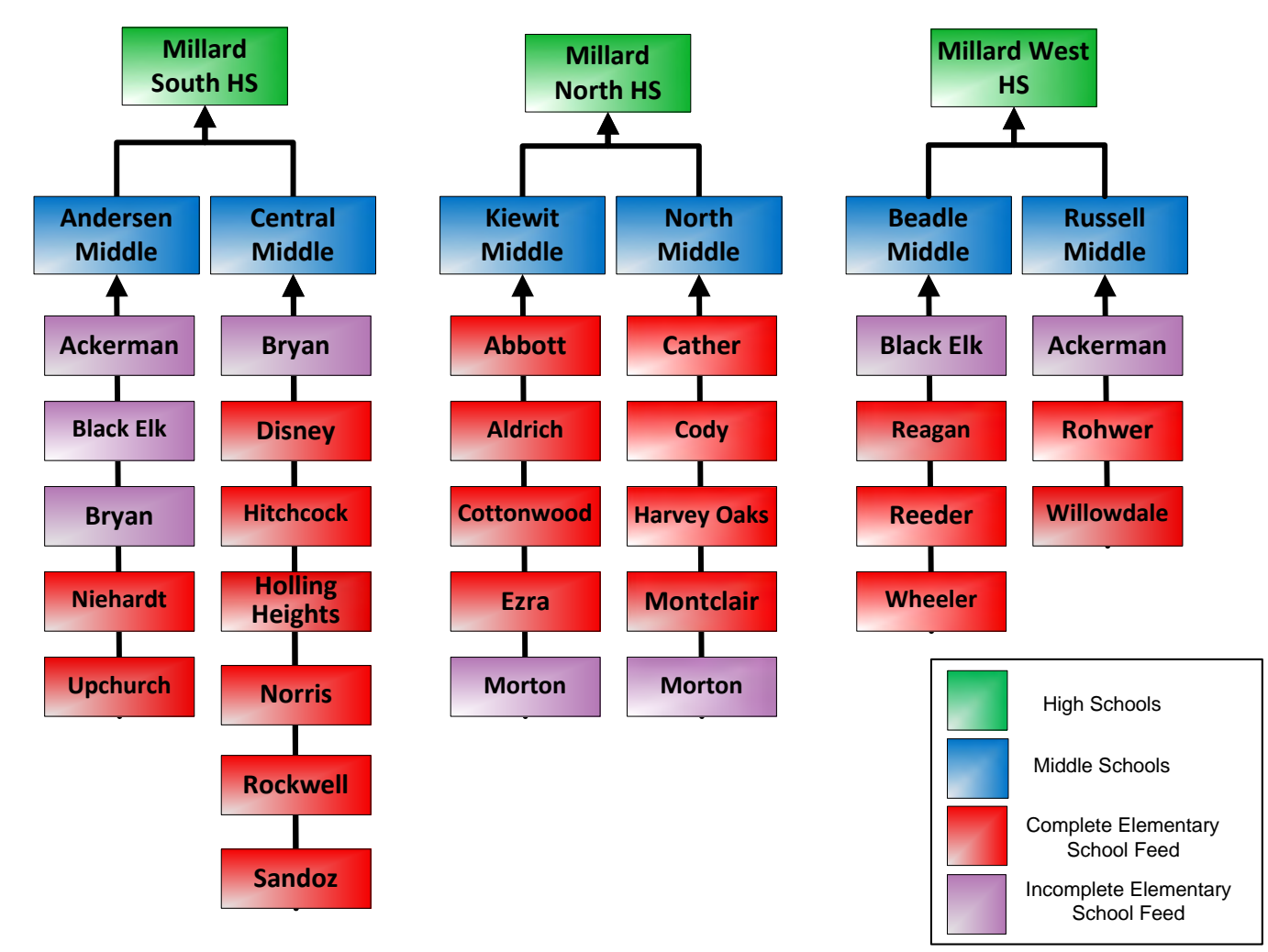
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- Special program location
- Internal Transfer policy
- Capacity at each school to determine the number of Learning Community Students that can be approved at each school

Scenario 3 Feeder System (Committee Recommendation)



List of Schools

1. Abbott Elementary
2. Ackerman Elementary
3. Aldrich Elementary
4. Black Elk Elementary
5. Bryan Elementary
6. Cather Elementary
7. Cody Elementary
8. Cottonwood Elementary
9. Disney Elementary
10. Ezra Elementary
11. Harvey Oaks Elementary
12. Hitchcock Elementary
13. Holling Heights Elementary
14. Montclair Elementary
15. Morton Elementary
16. Neihardt Elementary
17. Norris Elementary
18. Reagan Elementary
19. Reeder Elementary
20. Rockwell Elementary
21. Rohwer Elementary
22. Sandoz Elementary
23. Upchurch Elementary
24. Wheeler Elementary
25. Willowdale Elementary
26. Andersen Middle School
27. Beadle Middle School
28. Central Middle School
29. Kiewit Middle School
30. North Middle School
31. Russell Middle School
32. Millard North High School
33. Millard South High School
34. Millard West High School
35. Millard Horizon High School

Millard Public Schools

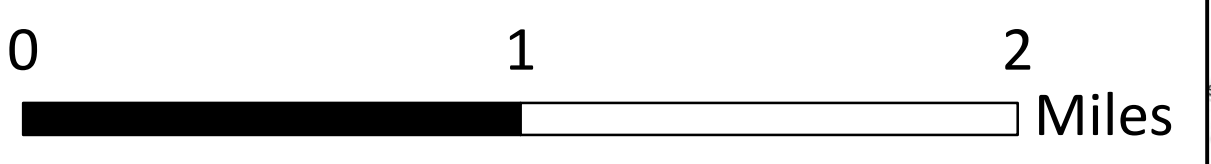
Committee Recommendation (High School)

- Schools
- Administration Center
- District Boundary
- 2013/14 High School Boundary
- County Boundary

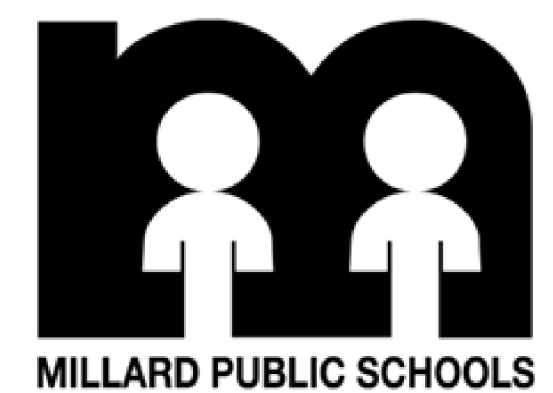
Note: Red text label on map indicates the Existing (2013/14) Boundary.



Map data provided by Millard Public Schools, Douglas County, Sarpy County, Nebraska Department of Natural Resources, and ESRI. Map created November 2013.



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Listed below are the items the Administration and Board of Education felt were important for the Boundary Committee to know expectations for what will result in a recommendation to Administration:

- School Grade configurations will remain the same (K-5, 6-8, 9-12)
- District Administration will determine where Special Programs are located (ESL, SPED, Reading, etc.)
- Transition of the plan (Phasing, student options)
- Balance enrollments with building capacity
- Maintain neighborhood schools to the best of our ability
- Allow for school choice (IB, Montessori, and Core Academy)
- Create attendance boundaries that will minimize capacity challenges in a timeline that will make logical sense with the timeline of additions and renovation projects

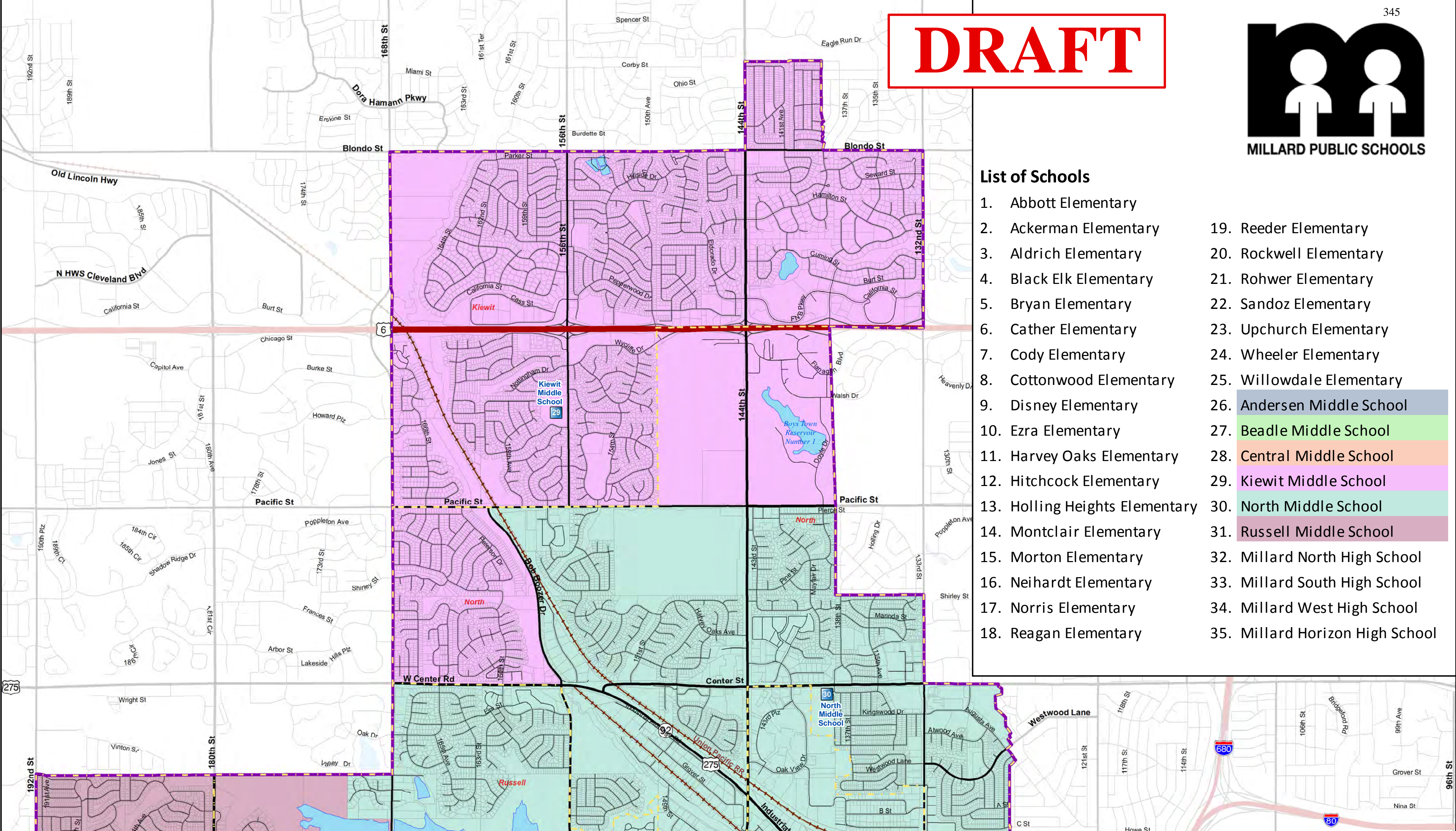
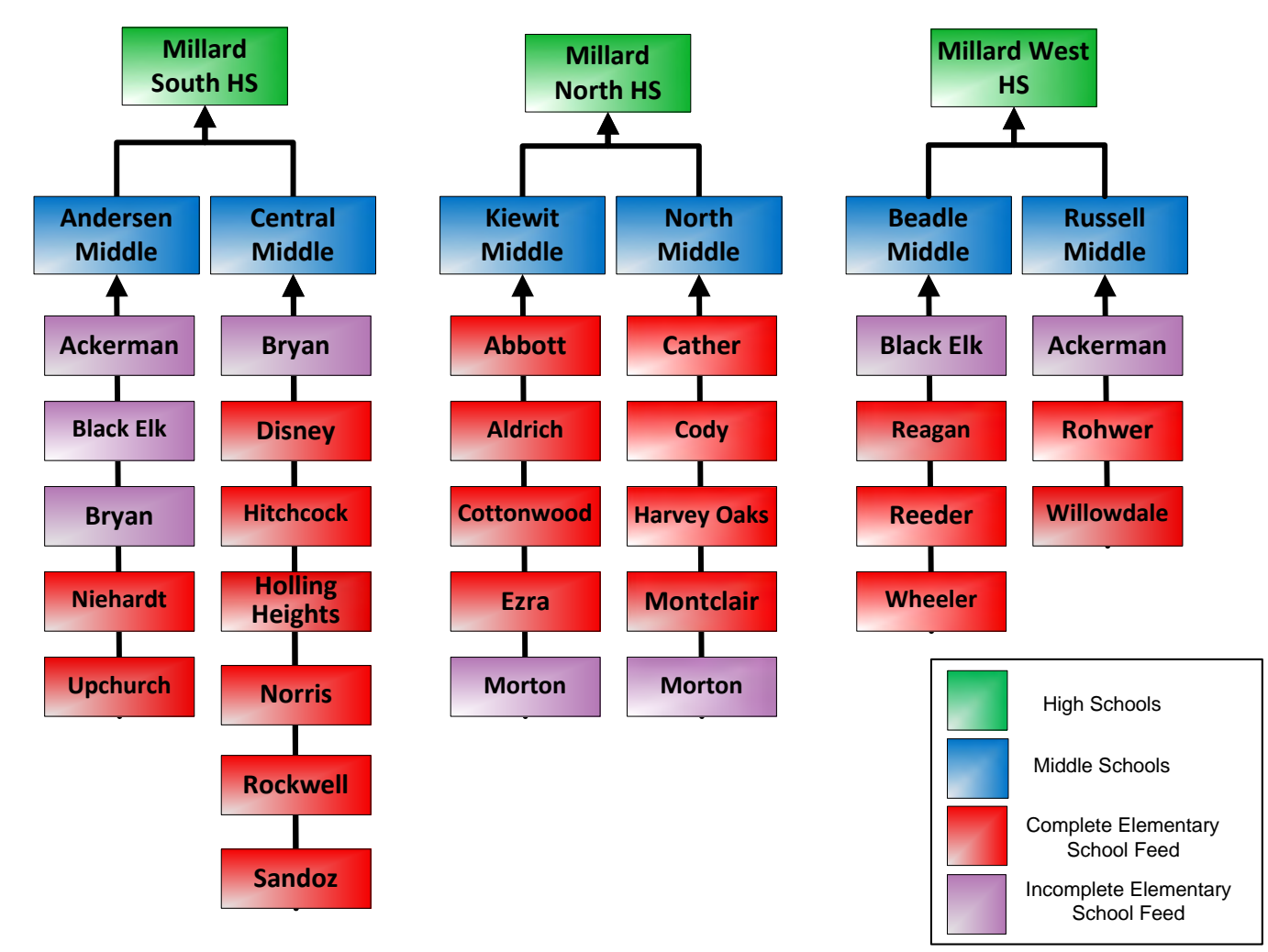
The Future enrollment at each building will be impacted by the following items that Administration is working on having specific answers:

- Construction completion at Black Elk ES for an additional 150 capacity (June 2015 targeted completion)
- Construction completion of Rohwer ES for an additional 150 capacity (June 2014 completion)
- Construction completion of Upchurch ES for an additional 150 capacity (December 2013 completion)
- Student phasing options District Administration recommends
- Special program location
- Internal Transfer policy
- Capacity at each school to determine the number of Learning Community Students that can be approved at each school

On June 11th 2013, the Board of Education discussed the 10 criteria that were to be used in the boundary process. After that discussion, by utilizing the "clickers", the criteria were prioritized. The prioritized criteria is to be used as the starting point and reference to being able to determine which boundary scenario will be best for the Millard community.

1. Projected Enrollment / Building Utilization
2. Contiguous Planning Areas
3. Duration of Boundaries
4. Fiscal Consideration - Capital
5. Neighborhoods Intact

Scenario 3 Feeder System (Committee Recommendation)



Millard Public Schools

Committee Recommendation (Middle School)

- Schools
- Administration Center
- District Boundary
- 2013/14 Middle School Boundary
- County Boundary

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Note: Red text label on map indicates the Existing (2013/14) Boundary.

Map data provided by Millard Public Schools, Douglas County, Sarpy County, Nebraska Department of Natural Resources, and ESRI. Map created November 2013.

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