

Staples-Motley High School



Course Registration Guide
2018-2019 School Year

"HOME OF THE CARDINALS"
REQUIREMENTS FOR GRADUATION FROM

STAPLES-MOTLEY HIGH SCHOOL
26 CREDITS REQUIRED FOR GRADUATION

ENGLISH COURSES 8 Classes	CREDIT	COMPLETED
Literature 9 Semester 1	.5	
Communications 9 Semester 2	.5	
Literature 10 Semester 1	.5	
Communications 10 Semester 2	.5	
English Literature	.5*	
English Literature	.5*	
English Writing	.5*	
English Elective	.5*	
SOCIAL STUDIES COURSES 7 Classes		
US History 9 Semester 1	.5	
US History 9 Semester 2	.5	
World History & Geography 10 Semester 1	.5	
World History & Geography 10 Semester 2	.5	
US Government	.5*	
Economics	.5*	
Geography	.5*	
MATH COURSES 6 Classes Minimum		
Intermediate Algebra or	3*	
Geometry		
Advanced Algebra II /Trigonometry		
College Level Math		
SCIENCE COURSES 6 Classes		
Physical Science Semester 1	.5	
Physical Science Semester 2	.5	
Biology Semester 1	.5	
Biology Semester 2	.5	
Chemistry or Natural Resources I (Vocational Option)	.5*	
Chemistry or Natural Resources II (Vocational Option)	.5*	
ART/FINE ARTS COURSES 2 Classes		
Art/Fine Arts	1	
PHYSICAL EDUCATION/HEALTH EDUCATION		
Physical Education Option	.5	
Health Education	.5	
RESOURCE MANAGEMENT		
Resource Management	.5	
TOTAL ELECTIVE CREDITS		
Total Elective Credits	10	
Cumulative Earned Credits to Date		
	Total: 26	

*May be more than .5 credits if a student takes a course as a college credit.

HIGH SCHOOL CREDIT AWARDED FOR COLLEGE COURSES TO BE DETERMINED.

HONOR ROLL

Credits and Grade Point Average (G.P.A.)

Credits count toward graduation and grades toward class rank.

G.P.A., for honor roll purposes, is determined as follows:

A+	4.33	C+	2.33	F
A	4.00	C	2.00	NC
A-	3.67	C-	1.67	S
B+	3.33	D+	1.33	N
B	3.00	D	1.00	I
B-	2.67	D-	.67	

Students need a 3.67 to be placed on the A honor roll. A student needs a 3.0 to be placed on the B honor roll. You must have at least 4 grades that count toward your GPA and no grade lower than a C- to be on the honor roll.

EDUCATIONAL REQUIREMENTS BEYOND HIGH SCHOOL

It is important for students to register for high school classes that will satisfy the entrance requirements for potential institutions. These requirements can vary between various institutions and between programs within the same institution. It is the responsibility of the student to become familiar with the entrance requirements of potential institutions to which they wish to apply. This can be best accomplished by speaking with the counselor here at school or by contacting potential institutions directly.

Students are also strongly encouraged to arrange a campus visit to those institutions that they may be considering. Admissions factors considered by post-secondary institutions may include: class rank, grade point average, high school course selection, entrance exam scores (ACT), participation and leadership in school and community activities, a personal essay and teacher recommendations.

In general, students may adhere to these guidelines for admission:

MINNESOTA STATE COLLEGES AND UNIVERSITIES ADMISSION REQUIREMENTS

2-year state college requirements

The two-year state community and technical colleges have an open admissions policy. This means:

- You can enroll if you have a high school diploma or a GED. Even without those, you may be admitted if you demonstrate potential for success in college.

HONORS COURSES

The following courses are listed as Honors Courses at Staples-Motley High School. An honors course is a course which has been approved by the faculty and school board for students taking the course to earn an extra .5 grade points for that course if they earn a "C" or better. (As an example: a "B" would be worth 3.5 instead of 3.0 grade points)

American Government
Calculus
College Algebra
College Biology
College Comp I
Human Biology

- No standardized tests are required for admission to the two-year state colleges, and your high school grades and class rank are not considered.
- After you have been admitted, you will be required to take a test for placement in the appropriate courses based on your reading, writing and mathematics skills.
- You are more likely to do well on the placement test if you complete a "college prep" curriculum in high school, including four years of English and three years of mathematics, science and social studies. If you did not, you may not be admitted to certain programs. Most likely, you will have to take developmental or remedial courses that will not count toward a degree before you can take college-level courses.

4-year state university requirements

The seven state universities generally will accept you if you can answer yes to at least one of these questions:

- Did you graduate in the top half of your high school class?
- Did you score 21 or higher on the ACT standardized test?
- Did you receive a combined score of 1,000 or higher on the SAT standardized test?

Admission to some of the seven state universities may require meeting slightly different requirements. Check with the university admissions office for details. Even if you don't meet minimum requirements, you may be considered for admission under special provisions.

Apply early in 12th grade for the best chance at being admitted.

Some universities and programs do not have room for all qualified applicants. For admission to a state university, you also should have completed these courses in high school:

- Four years of English, including composition and literature
- Three years of math, including two years of algebra, one of which is intermediate or advanced algebra, and one year of geometry
- Three years of science, including one year each of a biological and a physical science with laboratory experience
- Three years of social studies, including one year each of U.S. history and geography
- Two years of a single world language, including non-English native languages and American Sign Language
- One year of visual and performing arts

MILITARY SERVICE

All military branches now require a high school diploma for entrance. Students interested in the military are encouraged to visit with a military recruiter or guidance counselor for information.

College Comp II
Fundamental of Physics
Fundamental of Chemistry
Pre-Calculus
Spanish III
Spanish IV

ARTICULATION COURSES (TECH PREP COURSES)

The following high school courses have been approved by Central Lakes College as classes that may take the place of a course in a specific program if the student attends Central Lakes College upon completing high school. They may be accepted at other post-secondary institutions as well. Contact your counselor for more information.

SMHS Course Name

Intro to Welding (Adv Welding)
Careers with Children
Intro to Computer Applications
Beginning Welding
Medical Terminology
Natural Resources
Intro to Business
Basic Nursing I (CNA)
Plant Science I
Plant Science II
Preschool A
Preschool B
Small Engines
Teaching Young Children
Health Care Career Exploration
MN Food Products and Processing

CLC Course Title

Intro to Welding
Child Nutrition
Intro to Computer Applications
Elective
Medical Terminology
Intro to Natural Resources
Intro to Business
Basic Nursing
Elective
Elective
Child Safety
Child Health
Elective
Child Abuse and Neglect

POST-SECONDARY ENROLLMENT OPTIONS

WHAT IS PSEO?

Minnesota high school students can earn college credit (at little or no cost) while in high school through the following dual enrollment programs. Students may

- Take courses at a postsecondary institution through the Postsecondary Enrollment Options (PSEO) program. Courses are taught by college professors on college campuses, with each participating postsecondary institution setting its own enrollment requirements for admission.
- Take courses offered at their high school taught by a qualified high school instructor or college instructor; sometimes referred to as concurrent/dual enrollment or "College in the Schools." Concurrent enrollment serves high school students enrolled in a postsecondary course taught during the regular school day and offered through a partnership between a high school and a college or university. Qualified high school instructors or college faculty teach the courses, which are offered at the secondary school or another location.
- Take courses offered online taught by a college instructor.

WHO IS ELIGIBLE?

Juniors must rank in the upper one-third of their class, have a minimum cumulative 3.0 GPA, or score at or above the 70th percentile on a nationally standardized, norm referenced test, and meet Accuplacer score requirements for course placement.

Seniors must rank in the upper one-half of their class, have a minimum cumulative 2.5 GPA, or score at or above the 50th percentile on a nationally standardized, norm referenced test, and meet Accuplacer score requirements for course placement.

HOW TO APPLY:

- Meet with the school counselor to discuss the post-secondary courses you wish to take and how they fit into the high school requirements.
- Complete and sign appropriate forms. PSEO Notice of Registration Form available in the Student Services Office.
- Register for and complete the Accuplacer assessment in Reading, and Math.
- Meet with the admissions person from post-secondary institution. The post-secondary institution determines whether or not you are accepted.

ADDITIONAL INFORMATION TO CONSIDER:

- Students considering PSEO should start planning early; paperwork for the coming school year needs to be done before the last day of school in the spring.
- Students are expected to be responsible, self-starting and independent learners. There are no "mid-term" report cards so students will not be eligible for the honor roll at the end of Quarters 1 and 3!
- Students and their parents should seek information and counseling at the high school and post-secondary institution to assure that the best possible choices are being made for the student to meet their education goals.
- Also, keep in mind which future college the student plans to attend beyond graduation. Realize that not all colleges will accept "All" transfer PSEO courses in place of their own freshman requirements.
- Once post-secondary course work is begun it is the responsibility of the student to see that all graduation requirements are met.
- If spring semester post-secondary grades have not been received at the high school prior to graduation, the diploma will be unsigned until course grades are received.

It is very important that students and their parents meet with student services' staff to be certain that the post-secondary courses they register for meet high school requirements,

WITHDRAWALS AND PREREQUISITES

Withdrawals from Subjects

Students may drop a class up to three days after the start of a class if there is a legitimate reason and there is room in another class at that time. No changes will be made and the student must continue to attend the class they are attempting to change/drop until the process is completed. Special permission to drop a class after the 3 day period may be granted in special circumstances (student must complete a request form). Students will meet with the Student Services representative (pre-arranged appointment) to complete a drop/add form and then it is the student's responsibility to complete the form in its entirety. **Dropping a class after the three day period results in a no credit for the dropped class. A grade of F will be recorded for the dropped class at this time.** Students may make schedule changes for legitimate reasons prior to the beginning of a semester without affecting credits/grades.

Prerequisites

A "prerequisite" is a subject, which is required before you can take certain other subjects. Please study carefully the descriptions in this booklet to learn whether or not subjects have prerequisites.

ONLINE COURSES Subject to change:

Grades Elig: 10-12

ASTRONOMY
FORENSIC SCIENCE
GREAT MINDS IN SCIENCE
NATIVE AMERICAN STUDIES: Historical Perspectives
NATIVE AMERICAN STUDIES: Contemporary Perspectives
AFRICAN AMERICAN STUDIES
ANTHROPOLOGY
CONTEMPORARY WORLD ISSUES
CONSUMER MATHEMATICS
GOTHIC LITERATURE
JOURNALISM
WORLD LANGUAGES
PRINCIPLES OF ARTS: A/V Tech & Communications
MUSIC APPRECIATION
AUDIO ENGINEERING
ENGINEERING DESIGN/CAD

assuring that the credits needed for high school graduation are met.

ON-LINE LEARNING OPTION

[Note: The provisions of this policy substantially reflect the statutory requirements of Minn. Stat. § 124D.095 (2003), the On-Line Learning Option Act.]

Purpose

The purpose of this policy is to recognize and govern on-line learning options of students enrolled in the school district for purposes of compulsory attendance.

Guidelines

Students who are in grades 10 ~ 12 may be eligible to take online courses on the Staples-Motley High School campus. Students that take an online course in place of a core required course must have prior approval to make sure it meets core requirements. Any student, who fails to complete a course or is deficient, may not be able to take another online course.

These courses may NOT meet NCAA requirements

PRINCIPLES of HOSPITALITY & TOURISM
PRINCIPLES OF TRANSPORTATION: Dist & Logistics
HOSPITALITY & TOURISM
SPORTS & ENTERTAINMENT MARKETING
NUTRITION & WELLNESS
ARCHAEOLOGY
SOCIAL PROBLEMS I & II
INTRODUCTION TO FASHION DESIGN
COSMETOLOGY
LAW AND ORDER/LEGAL STUDIES
REAL WORLD PARENTING
DRAFTING & DESIGN A & B
PRINCIPALS OF ARCH & CONSTRUCTION A & B
CAREER EXPLORATIONS
ESSENTIAL CAREER SKILLS



Staples-Motley High School Bridges Career Academies Summary

Bridges Academy provides students the opportunity to be career and college ready for regional 21st century high wage, high skill and high growth career. 9th – 12th grade students can pursue a career academy by completing all course work with a grade of “B” or higher within each academy.

Academy Name	Course Titles	Requirements to Complete Academy
Agriculture Food & Natural Resources Career Academy	___Fish & Wildlife Management I or II ___Geographic Information Systems ___Plant Science I or II ___Vet Science I or II ___Natural Resource Science I or II ___Personal Leadership ___Outdoor Recreation ___Agri Scienc	Students must complete 3 of the 6 courses listed and earn a minimum of a B in each course.
Business Career Academy	___Introduction to Business (High School credit or CIS 3 college course) ___Introduction to Computers (High School Credit or CIS 3 college credits) ___Accounting for Non-Accountants (High School Credit or CIS 3 college credits)	Students must complete all courses listed and earn a minimum of a B in each course.
Early Childhood Career Academy	___Careers with Children (1 CLC credit) ___Preschool A (1 CLC credit) ___Preschool B (1 CLC credit) ___Teaching Young Children (1 CLC credit) ___Elementary Trainee Program ___Child Development	Students must complete 3 of the 6 courses listed, earn 2 CLC credits and earn a minimum of a B in each course.
Engineer Career Academy	___Geographic Information Systems ___Small Gas Engines ___Beginning Welding Technology ___Introduction to Welding -Advanced Welding ___Mechanics ___Power Mechanics	Students must complete 2 of the 5 courses listed and earn a minimum of a B in each course.
Pre-Nursing Career Academy	___Medical Terminology (High school or CIS 3 college credit) ___Basic Nursing (High school or CIS 3 college credit) ___CPR/First Aid ___Anatomy & Physiology ___Human Biology (High school or CIS 3 college credit) ___Fundamentals of Chemistry	Students must complete: Basic Nursing, Medical Terminology, obtain a Healthcare Provider CPR card, complete two of the additional science courses, and earn a minimum of a B in each course.
Health Careers Academy	___Medical Terminology (High school or CIS 3 college credit) ___Basic Nursing (High school or CIS 4 college credit) ___Health Information & Security/Professional Practicum ___Anatomy & Physiology ___CPR/First Aid	Students must complete 4 of the 5 courses listed and earn a minimum of a B in each course.
Culinary Career Academy	___ProStart 1 ___ProStart 2	Students must complete both ProStart courses, earn a minimum of a B in each, and receive the ServSafe Certification.
Introduction to Business/Creating Entrepreneurship Career Academy	___CEO I (High school or CIS 3 college credit) ___CEO II (High school or CIS 3 college credit)	Students must complete all courses and earn a B or higher and must have 90% or higher attendance
Connections Program	___Career Foundations ___Resource Management ___Minimum of three courses in three different technical areas.	Student must complete all courses: earn a minimum of an 80% or better average grade. Must have a 92% or better attendance rate.

DEPARTMENTS & COURSE DESCRIPTIONS

(Classes and Courses are subject to change based on enrollment and unforeseen scheduling conflicts, in both Semesters I and II.)
(Courses marked with an * alternate years)

VETERINARY SCIENCE II/ COMPANION ANIMAL

Semester II

.5 SMHS Credits

Grade Elig: 9-12

Are you interested in horses and pets? Units in horse production include breeds, confirmation, management, nutrition and health care. In addition, we will visit local horse ranches. Pet care will include Selection, Nutrition, Training, and Management. Definitely a course designed for the person who thinks a "best friend" can be a pet. This course is accepted as science credit at the University of Minnesota.

SUPERVISED AGRICULTURAL EXPERIENCE PROGRAM

Semester

.5 SMHS Credits

Grade Elig: 9-12

This is an independent study course. Requirements of this course include keeping at least nine months of concurrent records on a business placement, entrepreneurship, internship, research or exploration activity of your choice as well as completing an end of the year computer generated proficiency award or state degree. Record books must be factual, accurate, complete, closed out and turned into the instructor by January 15th of the following year. See Mr. Lindgren if you have questions.

INTRODUCTION TO AGRISCIENCE

Semester I

.5 SMHS

Grades Elig: 8-12

From the Field to the kitchen table, this course will have students explore the food and fiber industry as it begins in the research labs and ends up on the store shelves. Students will have the opportunity to learn about agricultural related careers. Topics that will be covered in class include: FFA Leadership, biotechnology, plant science, animals science, natural resources. There will be some fun hands on experiences. This course is highly recommended for those who have never taken an agribusiness course before and want to gain some knowledge of the field of agriculture as a whole.

SMALL GAS ENGINES

Semester I or II

.5 SMHS Credits

Grade Elig: 10-12

Articulated: Central Lakes College

Fee: \$20.00

There are 10 million engines produced each year and all of them will need service and maintenance. If you are interested in working in the small engine industry or just want to know how to maintain your own equipment, this class is for you. The first half of the course is aimed at learning the basic principles of 2 and 4 cycle engines by hands-on experience with school supplied engines. During the second half of the class, students will have the opportunity to bring in their own engines to work on. Also, during the second half, chainsaw maintenance and safety will be covered.

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PLANT SCIENCE I

Semester II

.5 SMHS Credits

Grade Elig: 9-12

Students will study plant growth and development including plant anatomy, physiology, production, and reproduction. Students will have the opportunity to work in a greenhouse setting and implement the knowledge they have learned. Students will also learn to identify popular horticultural plants and gain an understanding of their growth needs.

GEOGRAPHIC INFORMATION SYSTEMS

Semester

.5 SMHS Credits

Grade Elig: 9 -12

This class is a computer based class that uses aerial maps and global positioning systems to solve real world problems. GIS is used heavily in business, engineering, agriculture and natural resources with an over 100% job increase outlook.

AGRICULTURAL AND NATURAL RESOURCES PROJECTS

Semester I or II

.5 SMHS Credits

Grade Elig: 10-12

Pre-req: Completed 2 AG or Industrial Tech courses

(excludes woods, or machine shop)

This class is designed for students who want to specialize in special projects in natural resources or agriculture not already offered in the program or those who want to push themselves deeper in content then offered in class.

ARTS VISUAL

ART BASICS

Semester I

.5 SMHS Credits

Grade Elig: 8-12

This developmental art class introduces students to "Discipline-Based Arts Education". DBAE instruction involves students learning processes and concepts of art, including art history, art criticism, aesthetics, and production.

Students are exposed to a variety of art mediums to create a number of original artworks. They will also use methods of investigation as they explore art history and research an artist of choice. It's easier to enjoy art when we understand it, so Art Basics is a great class to take if you want to find out what art is all about.

WORLD ART

Semester II

.5 SMHS Credits

Grade Elig: 8-12

This developmental art class is a survey of Asian, North American, African and Middle Eastern art. The goal is to provide students with the framework for looking at, understanding and hopefully appreciating the art of other cultures. To accomplish this we'll look at the art of these cultures and create art that represents these styles using a variety of art mediums.

POTTERY/SCULPTURE

Semester

.5 SMHS Credits

Grade Elig: 9-12

Pre-req: Art Basics or World Art

Fee: \$20.00

This class will work with three different aspects of clay. These are hand construction pottery, wheel thrown pottery and clay sculptures. The students will spend approximately one-third of their time in each area. Hand construction will consist of slab, coil and several other types of construction. Wheel thrown pottery will consist of a series of pots made using the potter's wheel. The sculpture portion will create a near life sized sculpture plus relief and abstract sculptures. Students taking this class will have the opportunity to work on graduation standard requirements for Artistic Performance or Artistic Interpretation of History of the Arts.

***ADVANCED DRAWING AND PAINTING**

Grade Elig: 10-12

Pre-req: Drawing or Painting

Fee: \$20

Instructor approval needed

Students will develop higher level skills using different drawing techniques and mediums. This course reviews techniques studied in Intro to Painting and provides opportunities for more advanced study. Students taking this class will have the opportunity to work from the realistic, surreal, or abstract styles of drawing and painting.

MULTI-MEDIA ART

Semester II

.5 SMHS Credits

Grade Elig. 9-12

Pre-req: Art Basics or World Art

Fee \$20.00

In Multi-Media, students will construct projects varying in mediums. These mediums are of your non-typical art projects. Projects and mediums can range from pewter and jewelry, to plaster sculpture, mosaics, and glass etching, plus many others. The wide range of projects allows students to construct art pieces of rare form.

***PAINTING**

Semester I

.5 SMHS Credits

Grade Elig: 9-12

Pre-req: Art Basics or World Art

Fee: \$20.00

Introduction to basic watercolor, tempera, acrylic principles and techniques. Students will learn the various forms of composition. Class will cover a wide range of themes and styles

***DRAWING**

Semester I

.5 SMHS Credits

Grade Elig: 9-12

Pre-req: Art Basics or World Art

This offering is designed to challenge students to improve their abilities in the 2-dimensional areas of drawing and to develop techniques in design and graphics. Students will work on exploring techniques that will assist them in learning how to sketch and draw. We will work with portraits, figure drawing, proportion, perspective, composition and layout. Some mediums used are graphite, color pencil, pastels, charcoal and markers. This course is a core class at developing skills for those who love to create and see a future in Art.

YEARBOOK/GRAPHIC DESIGN

Semester I &/or II

Grade Elig: 10-12

Fee: \$20

Graphic design is everywhere. It is impossible to go through a day without seeing countless combinations of words and images on DVD covers, in magazines and books, on billboards, online, and even inside your kitchen cabinets! This course is designed for students who are interested in expressing themselves visually and digitally. We will be using these classroom techniques to organize and design the layout for this year's yearbook as well.

In this class students will learn about graphic design principles, creative and expressive typography, page layout, and digital image manipulation through the completion of both print and multimedia based assignments. Projects may include, but are not limited to the creation of logos, posters, ads, magazine spreads, information graphics, and book covers.

Industry standard software Adobe Creative Suite will be used for all class projects. All projects will be created through a process that involves research, writing, conceptualization, sketching, and finally, skillful execution of student ideas.

INDEPENDENT ART STUDY – SENIORS ONLY

Fee: \$20.00

As an independent art student one will be able to do a more intense study of a favorite medium or to explore mediums which they have not worked in yet. As an independent student you will be expected to do larger works and more difficult works. You will challenge yourself. Requirements for Independent Art are as follows:

1. Must be a senior.
2. Must have completed 3 other Art courses including Art Basics or World Art.
3. Must design, plan and discuss objectives (projects) you intend to complete for each quarter before officially being enrolled as an Independent Art Student.

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ADVANCED POTTERY AND SCULPTURE

Semester II

.5 SMHS Credits

Grade Elig: 10-12

Pre-req: Art Basics or World Art and Pottery/Sculpture

Fee: \$20.00

This advanced class will have the chance to improve on the skills learned in their first pottery/sculpture class. They will learn how to create designs on pottery using fluting, faceting, graffito and incising. Lidded pots will be made, a set of pots such as mugs or bowls and decorative tile work. 70% of the student's time will be spent constructing on a throwing wheel.

*2-D ART AND DESIGN

Semester I

.5 SMHS Credits

Grade Elig. 10-12

Pre-req: Art Basics or World Art

Students refine and enhance design skills with experiences in a variety of two-dimensional media. Students explore a variety of media, with an emphasis on design. The principles of design will be explored through assignments that may include: painting, printmaking, collage, graphic design, and commercial art.

*3-D ART AND DESIGN/SCULPTURE

Semester II

.5 SMHS Credits

Grade Elig. 9-12

Pre-req: Art Basics

Fee: \$20.00

This is a survey course for three-dimensional media. A variety of construction techniques and materials will be employed to explain "form". Historical and contemporary three-dimensional art will be discussed to inspire student work. Materials used may include: wood, metal, plaster, plastics, paper products, fibers, and clay.

*PHOTOGRAPHY/PHOTOSHOP

Semester I

.5 SMHS Credits

Grade Elig: 10-12

Pre-req: Art Basics or World Art

Fee: \$20.00

This introductory photography course is designed to familiarize students with basic film photography and beginner darkroom techniques. Students are instructed in the use and care of a 35mm manual film camera, film developing and darkroom printing techniques. Assignments are designed to cover a variety of shooting situations and the expectation is that students will apply the elements of composition, capture expressive content and demonstrate proficient technical ability in the making of photographs. Digital camera capabilities will be learned through a series of project-based assignments, lectures, demonstrations, and critiques. Formal emphasis is placed on the creative use of camera controls, composition, exposure, digital imaging software and an awareness of critical issues in contemporary photography. Scanning and printing techniques will also be included. The course topics cover Photoshop tools, photo corrections, working with selections, and layer basics. The use of masks and channels, typographic design, and vector drawing techniques are also covered. *Portable Media storage device required*

BUSINESS MANAGEMENT & COMPUTERS

Bridges - Students must complete all the courses listed and earn a minimum of a B in each course.

Business Career Academy

*Introduction to Business (High school or CIS 3 college credit) *Introduction to Computers (High school or CIS 3 college credit)

*Accounting for Non-Accountants (High school or CIS 3 college credit)

Bridges - Students must complete all the courses listed and earn a minimum of a B or higher and must have 90% or higher attendance.

Introduction to Business/Creating Entrepreneurship Career Academy

*CEO I (High school or CIS college credit)

*CEO II (High School or CIS college credit)

COMPUTER TECH X

Semester I

.5 SMHS Credit

Grade Elig: 8-12

This class is an exploration of computer technology and the many possible career pathways in this exciting, growing field. Module 1 is all about systems and networking: How do computers work and connect to other computers? Module 2 dives into software and app development: What makes an app work? Module 3 tackles the

topic of computer/information security: What are "firewalls" and "data encryption?" Module 4 explores business analytics: How does Google know and keep track of all that stuff? Module 5, the biggest part of the class, is an overview of game development and design: What does it take to make a good video game or app?

COMPUTER SCIENCE PRINCIPLES AP

Year long

.5 SMHS credits per semester

Grade Elig: 10-12

This class is designed to be a year-long course, but even if students can only take Semester 1, they will still benefit from this rich and challenging curriculum. If both semesters are taken, however, this class prepares students for the new Computer Science AP Exam, which, if passed, provides college credit. The six units of instruction are as follows: Unit 1: The internet. Unit 2: Digital Information. Unit 3: Algorithms and Programming. Unit 4: Big Data and Privacy. Unit 5: Building Apps. Unit 6: Create and Explore (performance tasks). If you're looking to "level up" in your computer-related journey, this class is for you! To see more detailed explanation of the six units in this class go to <https://curriculum.code.org/csp/>.

CEO

Semester

Credits TBD

Grade Elig: 11-12

The CEO program is much more than a textbook course. Rather, students are immersed in real life learning experiences with the opportunity to take risks, manage the results, and learn from the outcomes.

Entrepreneurship education is not just about teaching someone to run a business. It is also about encouraging creative thinking and promoting a strong sense of self-worth and accountability. Through entrepreneurship education, students learn how to create a business, and much more.

The CEO class covers the basics of conceptualizing, starting and running a small business. Concepts such as supply and demand, cost/benefit analysis, competitive advantage, and opportunity recognition are covered. In addition, coursework includes: innovative thinking strategies, product development, business structure, marketing, financial strategies, record keeping, and preparing an income statement, balance sheet, income and cash flow statements.

Entrepreneurial thinking (outside-the-box problem solving) is utilized throughout the course. The course is built around the National Entrepreneurship Standards. This course is a 2 hour block that may start at 7:30a.m.

CIS INTRO TO BUSINESS (BUSN 1501)

Semester II

.5 SMHS Credits or

3 CIS Credits

Grade Elig: 10-12

This class can be taken for high school credit or College Credit. This is a perfect class for anyone considering a business related career, including management, marketing, finance, human relations, and accounting. The course is a survey of the forces that shape business in America and overview of how American business responds. Topics include business ethics, business economics, forms of business organization, management functions, marketing procedures, business finance, and more.

CIS INTRO TO COMPUTER APPLICATIONS

(COMP 1120)

Semester I

.5 SMHS Credits or

3 CIS Credits

Grade Elig: 10-12

This class can be taken for high school credit or College Credit. This course covers the computer application software most used in the business and education worlds, the Microsoft Office suite of Word, Excel, Access, PowerPoint, and Outlook. Some of the topics, to be covered include: formatting Word documents, creating research papers and resumes using wizards and templates, creating Web pages with Word, using Excel to create worksheets and embedded charts; using Excel formulas and functions; creating what-if analysis; creating static and dynamic web pages using Excel; creating and querying an Access database, creating a PowerPoint presentation with a unified design; pictures and sound elements; and using Outlook to send and view mail, manage appointments and contacts. Career Preparation: Any business career that uses the Microsoft Office suite applications. Also, including, but not limited to: Computer Support Specialist, Network Administrator, network Engineer, Systems Analyst, Systems Engineer and Business Analyst.

RESOURCE MANAGEMENT

Semester

.5 SMHS Credits

Grade Elig: 11-12

Resource Management is a required class for all juniors. The class focuses on career and college exploration. There are opportunities for students to identify personal areas of ability and interests through O'Net Profile and the IDEAS assessments. Students will also have the opportunity to take the ASVAB test. Students will research careers and colleges and produce a plan for obtaining training and licensing in the career of their choice. Also, a good portion of the class will be devoted to personal finance topics such as, money management—budgeting/saving, investing, credit/credit reports, banking/loans, insurance, buying a car, renting, and protecting yourself from identity theft. Cover letters, resumes, and job interviewing will also be covered.

CIS ACCOUNTING FOR NON-ACCOUNTANTS

(BUSN 1102)

Semester II

.5 SMHS Credits or

3 CIS Credits

Grade Elig: 10-12

This course is a practical introduction to accounting "the language of business." Both the "how" and the "why" of accounting are blended to provide an excellent foundation of accounting principles and practices. If you think you might be interested in ANY business related career, you will need this class. If you want to be self-employed and run your own business, this class is also definitely for you. Or, if you just want to find out what accounting is like, this is the best class to do that, too. The procedural based instruction will provide you with a hands-on learning experience.

CONNECTIONS PROGRAM

Bridges - Students must complete all courses and earn a minimum grade of an 80%, and the student must have a 92% or better attendance rate.

Career & Technical Exploration Academy

*Career Foundations

*Resource Management

*Additional Career Courses required. A minimum of three different technical areas. i.e. Early Childhood, Health Occupations, Agriculture, Natural Resources, Industrial Technology, or Business.

Students have the option in Staples-Motley High School to complete their core classes through Project Based Learning in the Connections Program. Requirements are:

Students will begin their day in the Connections 1st hour advisory.

Students will take 3 core classes through the program unless taking a CIS course.

Students will maintain a GPA of 2.0 or higher to remain in the program, will maintain a good discipline record, and will maintain a good attendance record.

Project Based Learning is a more personalized in-depth way of meeting the State Standards. This program is limited to 32 students 9-12.

ENGLISH

In order to graduate from Staples-Motley High School, students must successfully complete 4 full years of English classes. Ninth and Tenth Grade students must take and complete the required English classes.

Eleventh and Twelfth Grades students are required to complete TWO literature courses, ONE writing course, and one other English elective course. All students may take as many English electives as they wish.

REMARKABLE PEOPLE

Semester I

.5 SMHS Credits

Grade Elig: 8-9

People are remarkable for many reasons. In this movie-based class, students will research leadership qualities and resiliency traits surrounding notable people from history. Selected movies will showcase how athletes, educators and common individuals have overcome the odds to be successful in a variety of ways.

LITERATURE 9

Required

Semester I

.5 SMHS Credits

Grade Elig: 9

The students will read and study short stories, essays, poetry, drama, and the novel. Students will also write in a variety of ways about what they read. Literary terms, vocabulary, and composition are emphasized.

COMMUNICATIONS 9

Required

Semester II

.5 SMHS Credits

Grade Elig: 9

The focus of this course is on composition. Each student will work extensively on improving composition skills; many writing assignments will be done on a computer. Each student will also read novels and report to the teacher on that assignment. There is an introductory speaking component in this class.

LITERATURE 10

Required I

Semester

.5 SMHS Credits

Grade Elig: 10

This course is designed to help students learn to read, interpret, and analyze types of literature. Students will study myths, humor, novels, and drama. Each student will be required to develop and use good study habits and to work to improve his/her vocabulary.

COMMUNICATIONS 10

Required II

Semester

.5 SMHS Credits

Grade Elig: 10

The focus of this class is on composition/grammar and reading. The student will be writing informative essays and one persuasive essay, plus many pages of required reading from novels. The computer lab will be used extensively for writing papers. There will also be an introductory speech unit.

COLLEGE VOCABULARY PREPARATION

NOT NCAA COMPLIANT

Semester I

.5 SMHS Credits – Writing Option

Grade Elig: 11-12

Students will have fun while learning hundreds of new words and applying them to all academic areas. Through daily exercises and short compositions, students will find powerful resources to succeed on the ACT.

CREATIVE WRITING

Semester I

.5 SMHS Credits – Writing Option

Grade Elig: 11-12

This class is for students who are willing to work hard to learn to write more effectively and creatively! Emphasis will be on learning by doing. Multiple writing projects will be crafted during the course of the semester, which will culminate in the submission of a final writing portfolio.

CREATIVE WRITING II

Semester II

.5 SMHS Credits – Writing Option

Grades Elig: 11-12

This class is for students who want to go beyond the concepts of Creative Writing One. The class emphasis will be hands on writing experiences crafting writing projects for different purposes. Students will also design and present multiple multi-media projects through various software applications. All of these projects will culminate in a submission of a final project portfolio.

ENGLISH 8

Required

Year

Grade Elig: 8

Students learn organizational writing techniques as well as comprehension strategies for both fictional and informational grade level texts.

JOURNEYS

Semester

.5 SMHS Credits

Grade Elig: 8-9

This student led, unit based class will take each student on an individual journey through a variety of language arts based lessons. Activities may include: creative writing, novel studies, healthy living, interpersonal skills exploration, and volunteerism.

BROADCASTING 101

Semester II

.5 SMHS Credits

Grade Elig: 8-9

Want to be a part of a news broadcast? This student-led class provides opportunities for students to research topics of choice and create an article worthy of broadcasting to a local audience.

***BOOK CLUB**

Semester II

.5 SMHS Credits – Literature Option

Grade Elig: 11-12

As a part of the Book Club, students will read a variety of novels as a class that focusing on specific genres of literature. Participation in class discussion along with quizzes on the novels will create the foundation of the students' grade. Students will also read two novels of choice and create a written and oral presentation to be delivered, informing his/her course mates of the chosen novel.

***AMERICAN LITERATURE**

Semester I

.5 SMHS Credits – Literature Option

Grade Elig: 11-12

This course is designed to expose the student to the development and influence of literature in America. Major and noteworthy American authors will be studied in relation to their place in history. Students will also develop note-taking skills; work on vocabulary skills, and complete writing assignments during the semester.

***WORLD LITERATURE**

Semester II

.5 SMHS Credits – Literature Option

Grade Elig: 11-12

This course is designed to expose the student to the development and influence of literature throughout the world. Major and noteworthy authors will be studied in relation to their place in history. Students will also develop note-taking skills; work on vocabulary skills, and complete writing assignments during the semester.

TECHNICAL AND RESEARCH WRITING

NOT NCAA COMPLIANT

Semester II

.5 SMHS Credits – Writing Option

Grade Elig: 11-12

In Technical and Research Writing, student's writing skills will be enhanced and refined. Citation of sources will be emphasized. Sometime will also be spent on aspects of business writing and communications, including business letters, memorandums, reports, cover letters, and resumes. Appropriate communication within a workplace will also be covered in class.

2019-2020

***DRAMA**

NOT NCAA COMPLIANT

Semester II

.5 SMHS Credits – Literature Option

Grade Elig: 11-12

This course is designed to introduce students to the world of dramatic literature. During this course, students will learn the history of the dramatic form of a literature and theatre and read a

variety of plays. As time permits, some production aspects of theatre may be covered.

***SCIENCE FICTION/FANTASY**

Semester II

.5 SMHS Credits – Literature Option

Grade Elig: 11-12

This course is designed to introduce students to literature of the Science Fiction and Fantasy genres. Students will read short stories and novels – as a class and independently – that fit the criteria of this field. Participation in class discussions and written assessments will create the foundation of course grades in this class.

***BRITISH LITERATURE**

Semester I

.5 SMHS Credits – Literature Option

Grade Elig: 11-12

This course is designed to expose the student to the development and influence of literature in the British Isles. Major and noteworthy British authors will be studied in relation to their place in history. Students will also develop note-taking skills.

FAMILY & CONSUMER SCIENCE

Bridges - Students must complete 3 of the 6 courses listed, earn 2 CLC credits and earn a minimum of a B in each course.

Early Childhood Career Academy

*Careers with Children (1 CLC credit)

*Preschool B (1 CLC credit)

*Elementary Trainee Program

*Preschool A (1CLC credit)

*Teaching Young Children (1 CLC credit)

* Child Development

Bridges - Students must complete both Pro Start courses listed and earn a minimum of a B in each course and receive the ServSafe Certification.

Culinary Career Academy

*ProStart I

*ProStart II

*Receive the ServSafe Certification

PROSTART I

Year

.5 SMHS Credits

Grade Elig: 9-12

In this class, students have the opportunity to explore the exciting and developing professions in the culinary industry using the National Restaurant Association's ProStart curriculum. ProStart students have opportunities to work with mentoring chefs from the local area. Throughout this year long course, students will learn about the type of opportunities available to them in the food service and hospitality industry. Some topics include but not limited to: career opportunities, communication skills, food safety, and introduction to kitchen equipment, culinary exploration and service management. It's an exciting, hands-on, fast-paced class waiting for just the right culinary student to expand their cooking repertoire.

PROSTART II

Year

.5 SMHS Credits

Grade Elig: 10-12

Prerequisite Required: ProStart I

In this class, students will expand on what they have learned in ProStart I. The industry emphasis for ProStart II is nutrition, operational costs, and marketing. The culinary focus is breakfast, sandwiches, salads, meats, desserts, and global cuisine. Nationally recognized certification is available upon passing both ProStart I and ProStart II final exams with a minimum score of 70%, and completing 400 hours of work experience.

***CHILD DEVELOPMENT**

Semester I

.5 SMHS Credits

Grade Elig: 9-12

This course examines preconception and prenatal development and growth and development of children birth – age eight. Students participate in an internship at a day care, preschool or elementary school.

PRESCHOOL CENTER A

Semester

.5 SMHS Credits

Grade Elig: 9-12

This course provides an exploration of the home or center learning environments for children birth through school age. The student will obtain skills needed to set up and maintain a safe child development setting. Students will volunteer at internship sites (child care centers, preschools, or the elementary school) to apply the knowledge they learn in class. One credit may be transferred to Central Lakes College if the student meets the advanced standing agreement requirements.

***PRESCHOOL CENTER B**

Semester II

.5 SMHS Credits

Grade Elig: 9-12

This course will guide the student in obtaining skills needed to set up and maintain a healthy child development setting. Students will

volunteer at internship sites (child care centers, preschools, or the elementary school) to apply the knowledge they learn in class. One credit may be transferred to Central Lakes College if the student meets the advanced standing agreement requirements.

2019-2020

*TEACHING YOUNG CHILDREN

Semester I

.5 SMHS Credits

Grade Elig: 9-12

In this hybrid course, students spend 3/4 of their class time volunteering in lower level school settings. Course content is taught during the beginning of the week and immediately applied in the volunteer sites. A passion for working and volunteering with children is a must. The engaging, hands-on course provides an exploration of the home or center learning environments for children birth through school age. It will guide the student in

obtaining skills needed to establish and maintain a healthy and developmentally appropriate learning environment for young children. If you love working with kids, this is the class for you.*Careers with Children

*CAREERS WITH CHILDREN

Semester II

.5 SMHS Credits

Grade Elig: 9-12

Explore career opportunities working with children and investigate the various roles that adults play in the lives of children they care for or teach. Students will volunteer at internship sites (child care centers, preschools, or the elementary school) to apply the knowledge they learn in class. One credit may be transferred to Central Lakes College if the student meets the advanced standing agreement requirements.

HEALTH OCCUPATIONS

Bridges - Students must complete 3 of the 4 courses listed and earn a minimum of a B in each course.

Health Careers Academy

*Medical Terminology (HS or CIS 3 college credits)

*Topics in Health (HS or CIS 3 college credits)

*CPR/First Aid

*Basic Nursing/HHA Course (HS or CIS 3 college credits)

*Anatomy & Physiology

*Health Care Career Exploration (2016)

Bridges - Students must complete: Basic Nursing/HHA, Medical Terminology, obtain a Healthcare Provider CPR card, complete one of the additional science courses, and earn a minimum of a B in each course

Pre-Nursing Career Academy

*Medical Terminology (HS or CIS 3 college credits)

*CPR/First Aid

*Human Biology (High School or CIS 3 College Credit)

*Fundamentals of Chemistry

*Basic Nursing/HHA Course (HS or CIS 3 college credits)

*Anatomy & Physiology

*BioTechnology

*ANATOMY AND PHYSIOLOGY

Semester I

.5 SMHS Credits

Grade Elig: 10-12

This course offers a systemic study of human anatomy and physiology, the human body in health and disease. We explore careers involved in the health care field as they relate to the various systems. Class is involved with the student organization, Health Occupation Students of America.

*HEALTH INFORMATION (HINS1120) & SECURITY /PROFFESIONAL PRACTICUM (HINS 2190)

Semester II

.5 SMHS Credits

3 CIS Credits

Grade Elig: 10-12

This course is an introduction to healthcare technologies and will explain the different healthcare applications and computer systems used in managing healthcare information. The course will give an introduction to administrative and clinical information systems,

electronic health record, privacy and safety, and evolving and emerging technologies.

Practicum-students will spend approximately 2 weeks/80 hours in a Patient Care Call Center, Scheduling Department and/or Preregistration Department within a local healthcare system. The practicum allows the student to experience the role in an introductory position. The collaborating healthcare system will determine the number of hours spent and student work schedule to be completed during the semester. This will challenge the student's knowledge and skills to help prepare them for work in the industry. Student must be enrolled as a Healthcare Administrative Specialist Certificate student.

CIS MEDICAL TERMINOLOGY (PNUR1138)

Semester II

.5 SMHS Credits

3 CIS Credit

Grade Elig: 10-12

This course offers a systematic study and instruction in medical terms and will provide a good basic background of knowledge for the student pursuing a career in the health care field. Class is involved with the student organization Health Occupation Students of America.

CIS BASIC NURSING I (PNUR1120) / HOME HEALTH AIDE

Semester I

.5 SMHS Credits

3 CIS Credits

Grade Elig: 10-12

This course introduces concepts of basic human needs, care of clients and basic nursing skills. This program meets the mandatory State of Minnesota requirements for nursing assistant training and is an approved training site. Upon satisfactory completion of the program, the student may apply for the nursing assistant registry examination. Class is involved with the student organization Health Occupation Students of America.

2019-2020

*CPR/FIRST AID/COMMUNITY EMERGENCY RESPONSE TRAINING

Semester I

.5 SMHS Credits

Grade Elig: 10-12

This course is designed to serve learners preparing for careers in healthcare. These skills are basic to nearly every health career. In this class you can become certified by the American Heart Association in CPR and First Aid. CERT is designed to provide Health Science students with an opportunity to develop and demonstrate knowledge and basic skills they will need to respond to their community's immediate needs in the aftermath of a disaster, when emergency services are not immediately available.

With training and practice and by working as a team, you will be able to do the greatest good for the greatest number after a disaster, while protecting yourself from becoming a victim

HEALTH & PHYSICAL EDUCATION

PHYSICAL EDUCATION/HEALTH 8

Required

Semester

Grade Elig: 8

HEALTH EDUCATION

Semester

.5 SMHS Credit

Grade Elig: 9-12

High School Health Education class offers a comprehensive approach to health and fitness and is essential in motivating teens to stay safe and healthy, reduce health risks, and practice high-level wellness. This course provides a flexible format to improve health and wellness among high school students. Real-life application of health skills helps students apply what they learn in health class toward practicing healthy behaviors for a lifetime. This course also offers education of Cardiopulmonary Resuscitation (CPR) and first aid with an option to become CPR certified. Hands on features are integrated with technology, assessments, and current health content.

CORE STRENGTHENING AND YOGA

Semester I

.5 SMHS Credits

Grade Elig: 8-12

This introductory course will push students to strengthen core muscles and increase flexibility. A variety of plank, stretching and inversion techniques will be used to tone and increase muscle strength as well as encourage relaxation. *** bringing your own mat and/or small hand weights is encouraged but not required.*

STRENGTH TRAINING

Semester

.5 SMHS Credits

Grade Elig: 9-12

This is a course which is offered to enhance the attributes and skill set of the high school athlete. This course will improve physical fitness, muscular strength, explosive power, and speed. Each student enrolled will be given their own strength program and will be instructed how to use and maintain it. Students will engage in pre and post strength, power, and cardiovascular tests.

PHYSICAL EDUCATION

Semester

.5 SMHS Credit

Grade Elig: 9-12

This course is offered to all 9th grade students and highlights the importance of physical activity as young adolescents. Various activities will be completed consisting of both individual and team play components. Physical Fitness techniques in the form of body weight exercises, weight lifting, and aerobics are incorporated into this class. This class is oriented around achieving a high level of physical activity on a daily basis.

SPORTS MARKETING

Semester II

Gr 10-12

This course will explore the techniques used to advertise and promote sporting events and also evaluate what drives the sporting culture. Discussion will be based upon a variety of relevant marketing tactics: advertising, consumer motivation, endorsements, promotions, sports marketing campaigns. Evaluating digital strategies and social media tactics will be analyzed as well.

INDUSTRIAL TECHNOLOGY

Bridges - Students must complete 2 of the 5 courses listed and earn a minimum of a B in each course.

Engineer Career Academy

- *Geographic Information Systems
- *Beginning Welding Technology
- *Power Mechanics

- *Small Gas Engines
- *Introduction to Welding – Advanced Welding

INTRODUCTION TO WOODS

Semester

.5 SMHS Credits

Grade Elig: 8-12

Shop Fee: \$20

Additional Project Fee: \$20

Students taking Introduction to Woods will become familiar with all tools and machines in the wood shop. You must pass both a written and demonstration test. Students will have the opportunity to construct a desk organizer. Shop safety expectations must be met and maintained throughout the course(s).

WOODS

Semester

.5 SMHS Credits

Grade Elig: 9-12

Pre-req: Intro to Woods

Shop Fee: \$20

Additional Project Fee \$ 25-100

Students will take rough lumber and turn it into a finished product. The choice of projects will be left up to the students. Shop safety expectations must be met and maintained throughout the course(s).

CAD

Semester

.5 SMHS Credits

Grade Elig: 8-12

This course provides students with a broad introduction into 2-dimensional and 3-dimensional Computer-Aided Design (CAD) and modeling. Students will learn how to use CAD software programs to model and create drawings.

MACHINE SHOP I

Semester

.5 SMHS Credit

Grade Elig: 9-12

Shop Fee: \$20

Additional Project Fee: Varies

This class introduces students to the basic machine tools of industry. Safety and proper operation are stressed at all times. Machine operations are performed on the engine lathe and vertical mill primarily. Other machines used include the jigborer, cylindrical grinder, surface grinder, pedestal grinders, radial drill press, horizontal mill, vertical bandsaw and power hacksaw.

MACHINE SHOP II

Semester

.5 SMHS Credit

Grade Elig: 9-12

Shop Fee: \$20

Additional Project Fee: Varies

Pre Req: Machine Shop I

This class is an extension of Machine Shop I. Advanced operations and projects are completed on machines previously used. Projects have included a small vise, a one cylinder gasoline engine or a project of the student's choice with instructor's approval. Programming and operation of a small CNC mill is also covered.

INTRODUCTION TO MECHANICS

Semester I or II

.5 SMHS Credits

Grade Elig. 8-12

In this class students will learn the basics. First the students will have a chance to practice basic welding techniques used in oxyacetylene welding and arc welding. The students then move into a unit on small gas engines. At that point they will learn the basic parts of a two-stroke and four-stroke engine. The students also get a chance to learn the basics in electricity, hooking up different types of light switches along with outlets. The final unit is plumbing; the students will have a chance to learn the basic terms along with applying those terms.

WELDING TECHNOLOGY

Semester I

.5 SMHS Credits

Grades Elig: 10-12

Shop Fee: \$20

Articulated: Central Lakes College

This covers basic techniques used in the welding industry: oxyacetylene welding and cutting, shielded metal, gas metal, gas tungsten, arc welding, and plasma arc cutting. Students will spend considerable time in lab developing these skills while being exposed to basic shop practices and career exploration. Welding is a prerequisite for Introduction to welding.

POWER MECHANICS

Semester I or II

.5 SMHS Credits

Grade Elig: 11-12

Pre-req: Small Gas Engines & Welding Tech

Fee: \$20.00

Students who have successfully completed small gas engines may enroll in this class. Students will compete in the High Mileage Vehicle event sponsored by Briggs and Stratton. Students will design, fabricate and test a high mileage vehicle.

ROBOTICS

Semester

.5 SMHS credits

Grade Elig: 8-12

Students trace the history, development, and influence of automation and robotics as they learn about mechanical systems, energy transfer, machine automation, and computer control systems. Students use the VEX Robotics® platform to design, build, and program real-world objects such as traffic lights, toll booths, and robotic arms

ADVANCED WELDING

Semester II

.5 SMHS Credits

Articulated Credit

Grade Elig: 10-12

Shop Fee: \$20

Prereq: Welding Technology

This is primarily a project oriented course. Students will layout design, calculate material costs, repair and or fabricate personal projects. Further development of welding techniques with pipe, mild steel, aluminum and stainless steel using arc, MIG and TIG processes will also be options.

MATHEMATICS

Typical

Intermediate Algebra

Geometry

Adv. Algebra

Accelerated (Teacher Referred)

Geometry

Adv. Algebra

College Level

9th Grade

10th Grade

11th Grade

INTERMEDIATE ALGEBRA

Year

.5 SMHS Credit/Semester

Grade Elig: 9-10

Pre-req: 8th Grade Algebra Concepts and teacher recommendation

Intermediate Algebra students will explore algebraic expressions, equations and functions including rational numbers. They will solve and graph linear equations, systems of equations and inequalities. Proportional reasoning will be the basis for percents and triangular functions. They will also explore polynomials, factoring and quadratic equations.

ALGEBRA 8

Required

Year

Grade Elig: 8

8th grade math that previews all Intermediate Algebra concepts including graphing, linear equations, scientific notation, and scatter plots along with many other math concepts.

GEOMETRY

Year

.5 SMHS Credit/Semester

Grade Elig: 10-12

Prereq: Intermediate Algebra or teacher recommendation

Geometry is designed to acquaint students with a system of ideas involving points, lines, planes and solids in which a few simple assumed statements can be used to derive more complex ones. A major goal of the class is to help students develop the ability to use logic and deductive reasoning. Geometry is required for graduation for all students.

ADVANCED ALGEBRA

Year

.5 SMHS Credit/Semester

Grade Elig: 10-12

Prereq: Geometry

This class is required for all students. This course should be taken only after successful completion of Geometry. Students will explore Algebraic equations, functions, and inequalities, as well as discrete math topics. A graphic calculator is recommended for this class. Students at the conclusion of this class are expected to take the college entrance test to determine eligibility for College Algebra.

CIS INTRO TO COLLEGE ALGEBRA (MATHo82o)

Semester I

Grade Elig: 11-12

3 CIS Credits/Semester

.75 SMHS Credits

Pre-req: Advanced Algebra & a qualifying Accuplacer or ACT score.

This course will provide students with a better foundation in advanced math concepts and when successfully completed, will prepare them to enroll in College Algebra. The course content consists of the study of sets, real numbers, equations, inequalities, polynomials, systems of equations, and conic sections.

CIS COLLEGE ALGEBRA (MATH147o)

Semester

Grade Elig: 11- 12

Prereq: Advanced Algebra, and a qualifying Accuplacer or ACT score.

3 CIS Credits/Semester

.75 SMHS Credits

This course will prepare you for any college level course you wish to take. The course content covers functions of all types; rational, inverse, exponential, and logarithmic. Other topics will include; Systems of equations and inequalities, matrices, sequences, series, permutations, combinations, and probability.

CIS PRE CALCULUS (MATH1472)

Semester II

Grade Elig: 11 - 12

Pre-req: College Algebra or qualifying Accuplacer score.

5 CIS Credits/Semester

1.25 SMHS Credits

Intended to provide the essential mathematical background needed in Calculus. Topics include equation solving, functions (polynomial, radical, rational, exponential, logarithmic, trig, and inverse trig), identities, applications, and parametric, polar graphing.

CIS CALCULUS (MATH1477)

Year

Grade Elig: 12

Pre-req: Pre-Calculus or qualifying Accuplacer score

5 CIS Credits/Semester

1.25 SMHS Credits

We will review the concept and properties of a function with emphasis on the graphing and behavior of a function. Limits are

introduced and developed. The derivative of a function is defined and applied to algebraic and trigonometric functions. Anti-differentiation and elementary differential equations are introduced. Definite integrals are introduced via the Fundamental Theorem of Calculus as well as applications to solving maximum, minimum and related rate problems.

2019-2020

PROBABILITY & STATISTICS

Semester I

.5 SMHS credit

Grade Elig: 11-12

Pre-req: Advanced Algebra

In this course students will discover how to collect, organize, analyze, interpret, and present data. Topics include measures of central tendency, variation and position, probability and counting.

MISCELLANEOUS

INDEPENDENT STUDY

Semester

.5 SMHS Credits

Grade Elig: 12

Students wanting to register for Independent Study must have approval of the Principal, Instructor, Counselor and their parent. A student must submit a five paragraph paper explaining the benefits of taking Independent Study and what they will achieve through this experience. Students must be in 12th grade and full .25 credit is given as well as a letter grade.

NOTE: .5 Credit Maximum over a high school career

ON LINE LEARNING

Semester

.5 SMHS Credits

Grade Elig: 10-12

The opportunity exists for online learning. Courses offered are not those regularly listed in the registration booklet. See Student Services for a booklet. In addition, on line learning exists to offer courses in student exploration areas. Students are allowed no more than two on line courses per semester. Students who have failed or are failing will not be allowed to re-enroll in an online course.

SUCCESS CENTER/CREDIT RECOVERY

Semester

Variable SMHS Credits

Grade Elig: 9-12

This class is designed to assist students who need to make up failed credits. Most often students will be assigned to a computer-based course that resembles the course they failed. Students with less than 19 credits at the end of their junior year, students with less than 12 credits at the end of their sophomore year and students with less than 5 credits at the end of their freshman year, may be referred to the program. Other students may be considered with administrative approval.

STUDENT ASSISTANTS

Semester

No Credit

Grade Elig: 12

A Department Assistant will assist the supervising teacher in a variety of activities depending on the need of the teacher, student, and the department. Activities may include typing, running errands, handing out materials; clean up, filing, and/or assisting the teacher in class. The tasks may or may not be limited to this list depending on the needs of the supervisor. Students must sign up for the department assistant positions at the time of registration. Prior approval must be obtained before a student will be considered. **Only one student assistant per supervisor per hour.**

NOTE: Student only in good academic and attendance will be considered.

WORK EXPERIENCE

Semester

.5 SMHS Credits

Grade Elig: 11-12, Passing All Required Coursework

Students must see the Principal for a PRE-APPROVAL in order to register for this class. Students are excused up to two hours out of school to go to work. The job must meet all child labor laws and be approved by the Principal. Should a students working hours not coincide with hours in school, they must remain in the classroom. Students must be passing all required coursework to enroll in this course. This course is a hybrid course meaning that students participate in hands-on activities through work and complete course work online.

Students attend monthly team meetings, complete work journals and other projects to assist them in becoming successful workers.

MUSIC

MEN'S CHOIR

Year

.5 SMHS Credit

Grade Elig: 8-12

This is a large group men's choir open to 8-12th grade students. They will be encouraged to develop their voices and their musicianship. Extra rehearsals will be required in addition to concerts and tours. Attendance at concerts is part of the student's grade and is required.

WOMEN'S CHOIR

Year

.5 SMHS Credit

Grade Elig: 8-12

This is a large group women's choir open to 8-12th grade students. They will be encouraged to develop their voices and their musicianship. Extra rehearsals will be required in addition to concerts and tours. Attendance at concerts is part of the student's grade and is required.

A CAPPELLA CHOIR

Year

.5 SMHS Credit/Semester

Grade Elig: 10-12

Pre-req: Audition

A Cappella Choir is made up of selected singers. Membership is by audition and prospective members should display advanced musicianship and solo quality voices. Extra rehearsals will be required in addition to concerts and tours. Attendance at concerts is part of the student's grade and is required. Also included in the curriculum is a musical and Madrigal Dinner on an every other year rotation.

CONCERT BAND

Year

.5 SMHS Credit/Semester

Grade Elig: 8-12

This band is for those students of average high school ability. It is from this band that members of the Symphonic Band are selected. The band will play Class II and III music, and perform about four yearly concerts.

SYMPHONIC BAND

Year

.5 SMHS Credit/Semester

Grade Elig: 10-12

Pre-req: Audition – or special permission by the instructor

This band is the select instrumental group at Staples-Motley High School. It will have an established instrumentation of students in Grades 11 & 12, although a few outstanding 9th and 10th graders may be selected. Class I and II music will be performed, with heavy emphasis on Wind Ensemble literature.

This group will do most of the touring, and play about four home concerts a year. During the school year, this band will assist the Concert Band in performing at the home athletic events, and Homecoming activities. Membership is open by audition only, or by special request or permission from the instructor.

SYMPHONY ORCHESTRA

Year

.5 SMHS Credit/Semester

Grade Elig: 8-12

Symphony Orchestra is open to all violin, viola, cello and bass players in 8-12th grade. Students with no string experience must talk to the instructor before registering for this class. The goal of this ensemble is the experience of a variety of styles within the string playing genre and the advancement of skills toward admission into Chamber Orchestra.

CHAMBER ORCHESTRA

Year

.5 SMHS Credit/Semester

Grade Elig: 10-12

Chamber Orchestra is open to violin, viola, cello and bass players in 10-12th grade. Audition or instructor appointment only. The goal of this ensemble is to experience music making on string instruments at an advanced level. Students in this group place a high value on personal and musical maturity so that all students involved can enjoy the benefits of many years of hard work. They also dedicate themselves to the discipline and teamwork required to achieve musical success. Many past members of this ensemble have advanced to college level string ensembles upon graduation.

SCIENCE

9th Grade

10th Grade

11th Grade

Typical

Physical Science

Biology

Intro to Chemistry or

CIS Fundamentals of

Chemistry

Vocational Pathway (Teacher Referred)

Physical Science

Biology

Natural Resources Science I & Natural Resources Science

II

SCIENCE 8

Required

Year

Grad Elig: 8

Courses marked with an * alternate years

MINNESOTA GEOLOGY

Semester II

.5 SMHS Credits

Grade Elig: 8-12

This course will take you on a trip through geologic time to study Minnesota's geology. We will start by placing Minnesota's location on Pangea and move on to today's mining, farming and geologic resources in our great state.

Some of the questions answered in this course will include: Why do we have rich deposits of iron ore and how is it mined? Is there a future in Minnesota mining? How did a sheet ice 1 mile thick change our state? Why do we have over 10,000 lake?

This course will have local field trips to see the continental glacial land forms in our area.

ASTRONOMY

Semester I

.5 SMHS Credits

Grade Elig: 8-12

This course is designed to investigate the wonders of space, traveling beyond Earth. We will begin this journey looking back in time to our historic astronomers and the tools they used to look for answers in the sky. Moving on to discoveries within our universe and how our knowledge has changed with advancements in technology.

The class will look at the US Space program and how it has evolved, starting with the Space race and the rocket, leading to the space shuttle and moving on to Hubble and the ISS.

We will investigate the possibilities of extraterrestrial life, within our solar system and beyond. As well as the future of human space travel. An independent research project will be a part of this course.

CIS FUNDAMENTALS OF CHEMISTRY (CHEM 1414)

Required Option ~ If qualified

Year

4 CIS Credits/Year

1 SMHS Credit/Semester

Grade Elig: 11-12

Pre-req: Physical Science and Biology

This course prepares you to interpret everyday events and in terms of chemical concepts and principles. Topics include: scientific method, the S.I. system, significant digits, scientific notation, graphing the mole, chemical reactions, gas laws, composition of the atom, the periodic table, chemical bonding, the elements, states of matter, solutions, acids and bases, equilibrium. The subject matter is college prep for careers ranging from Agriculture to Health care and medicine.

BIOLOGY

Required

Year

.5 SMHS Credit/Semester

Grades Elig: 10

Biology is the study of living things. In the first semester you will learn and reinforce your understanding of Science, Chemistry and Biochemistry. This will prepare you for an in-depth study of cells, cell processes and cell theory. Second semester we will introduce genetics and evolution of organisms, study the human body and Ecology.

PHYSICAL SCIENCE

Required

Year

.5 SMHS Credit/Semester

Grade Elig: 9

Physical Science is the combined study of Chemistry and Physics. The first semester deals with introductory material on measurements in science and then the study of matter-chemistry. The study includes the environmental, inorganic and organic aspects of chemistry. The second semester will introduce the student to the study of physics, the study of motion and energy, waves, heat, light, sound and electricity.

Please note: This course is quantitative and requires above average skills in reading and mathematical skills. The course is intended to finalize the basic science a student needs to function in our society. In addition, the course will also provide the basic knowledge necessary to be successful in the pursuit of additional science courses, most notably Chemistry, Biology and Physics.

CIS GENERAL BIOLOGY (BIOL 1431)

Pre-req: Lab-based high school Biology

Semester I

5 CIS Credit/Semester

1.25 SMHS Credits/Semester

Grades Elig: 11-12

This course is designed to be taken after completion of a high school level lab based Biology course. Many of the concepts covered in high school biology will be covered more in depth. These include cell structure, cell processes such as photosynthesis and respiration, meiosis, mitosis, energy in living things, enzymes and biochemistry, genetics, genomics, and molecular genetics (DNA).

INTRODUCTION TO CHEMISTRY

Required Option

Year

.5 SMHS Credit/Semester

Grade Elig: 11-12

Pre-req: Physical Science and Biology

This course is designed to fulfill the chemistry requirements for all students. It prepares you to interpret everyday events in terms of chemical concepts and principles. Topics include: scientific method, the S.I. system, significant digits, scientific notation, classifying and balancing chemical reactions, composition of the atom, the periodic table, chemical bonding, the elements, condensed states of matter, solutions, acids and bases, and molar conversions.

***CIS HUMAN BIOLOGY (BIOL1404)**

Semester II

3 CIS Credit

.75 SMHS Credit

Grade Elig: 11-12

Pre-req: General Biology

This course provides an introduction to the structure and function of the human body using an organ systems approach. The organ systems studied include the integumentary, skeletal, muscular, circulatory, respiratory, digestive, excretory, nervous, endocrine and reproductive systems. Human development and heredity will also be integrated. This class includes labs and dissection.

ENVIRONMENTAL SCIENCE I

Semester I

.5 SMHS Credits

Grade Elig: 8-12

Environmental Science is an introductory course into the scientific study of the mutual relationships between organisms and their environment. It is designed for students who are developing their problem-solving and analytical skills.

This course surveys topics including: the application of scientific process to environmental analysis, energy flow, ecological structures, earth systems, atmospheric, land, and water sciences, the management of natural resources, analysis of private and governmental decisions involving the environment

Students will explore actual case studies and conduct hands-on research activities, learning that political and private decisions about the environment and the use of resources require accurate application of scientific processes, including proper data collection and responsible conclusions.

ENVIRONMENTAL SCIENCE II

Semester II

.5 SMHS Credits

Grade Elig: 8-12

Environmental Science II will expand on topics included or cover those not included in Environmental Science I. This is an introductory course into the scientific study of the mutual relationships between organisms and their environment. It is designed for students who are developing their problem-solving and analytical skills.

This course surveys topics including: the application of scientific process to environmental analysis, energy flow, ecological structures, earth systems, atmospheric, land, and water sciences, the management of natural resources, analysis of private and governmental decisions involving the environment

Students will explore actual case studies and conduct hands-on research activities, learning that political and private decisions

about the environment and the use of resources require accurate application of scientific processes, including proper data collection and responsible conclusions.

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*BIOTECHNOLOGY

Semester II

.5 SMHS Credits

Grade Elig: 11-12

Pre-Req: Biology

Students will explore the fundamental principles of biotechnology, including the world of microbiology, the study of organisms too small to be seen with the naked eye. Students interested in career pathways in areas of medicine, pharmaceutical, and agriculture should consider this course. Topics of study include: DNA, RNA, and protein technologies; disease transmission, genetics; healthcare; food processing (GMO's); fermentation technology; and bioethics laboratory activities reinforce concepts and principles presented.

CIS PHYSICS (PHYS1401)

Year

4 CIS Credits /Year

1 SMHS Credit/Semester

Grade Elig: 12

Pre-req: College Algebra

This class is an introduction to selected topics in physics. This provides the student with a working knowledge of some of the basic laws and principals of physics, their historical development, and how they apply to everyday life. It is designed as a survey of physics for students interested in an exposure to the content of the science of physics and an introduction to laboratory science classes. Topics to be studied include: Motion in One and Two dimensions, Vectors, Forces, Laws of Motion, Work, Energy, Momentum, Circular Motion and Gravitation, Fluid Mechanics, Heat, Thermodynamics, Vibrations and Waves, Sounds, Light, Reflection and Refraction, Electrical Energy and Circuits.

SOCIAL STUDIES

GEOGRAPHY 8

Required

Year

Grade Elig: 8

Students will study the geography of the planet, by studying the many variations within the field of geography including human geography, physical geography, globalization, GIS and mapping, geopolitics. Students will learn worldwide spacial awareness by mapping out the regions and continents of the world while also learning about the current events, unique culture and history of each area studied.

GEOGRAPHY

Required Semester

.5 SMHS Credits

Grade Elig: 11-12

This course is a required semester course in the social studies area. Students will engage in the study of world geography, including a study of the physical features, climate, continents, oceans, major regions, cultures, and people of the Earth. Specific countries and

regions will be covered in more depth. Attention will also be given to political and religious systems in different regions of the world. Students will select areas upon which to focus our study, as well.

U.S. HISTORY

Required

Year

.5 SMHS Credit/Semester

Grade Elig: 9

This is a required two semester American history course in which students continue the study history of our nation and its people. We will build upon what students have learned in elementary and middle school by studying from the birth of America to present day. The following are major themes in US history for students to examine: Native Americans, colonialism, expansion, war and conflict, social reform, immigration, cultural diversity, industrial and scientific revolution, and modern America during the 20th century.

UNITED STATES GOVERNMENT

Required

Semester I

.5 SMHS Credits

Grade Elig: 11 ~ 12

In this required semester course, students will focus on the principles of government, the concept of democracy, the U.S. Constitution, federalism, political behavior, the branches of U.S. government, civil liberties, civil rights, and foreign policy of the United States. Students will examine their rights and responsibilities in the context of our government. There is an emphasis on citizen participation by attending a school board and one city/township meeting.

WORLD HISTORY

Required

Year

.5 SMHS Credit/Semester

Grade Elig: 10

This is a required two semester world history course in which students will explore the beginnings of early human society, ancient civilizations, ancient empires, world religions, specific eras, global encounters, exchanges, conflicts, revolutions, the current global age, world wars, and post-war era to the present. This involves thousands of years of history; for that reason, some material will be covered in depth, while other units may be covered more quickly. Students may also be expected to research some eras or people in greater depth for presentation purposes. There will be emphasis placed on geographic knowledge of the world, as well.

ECONOMICS

Required

Semester

.5 SMHS Credits

Grade Elig: 11-12

This course is an introduction to the principles of a market economy. Microeconomic topics such as supply and demand, growth and productivity, business operation, and problems of the market economy will be examined. Macroeconomic issues such as money and banking, inflation, recession and government policies will also be studied. This course is essential to becoming a wise participant in a free market economic system.

***PSYCHOLOGY**

Semester

.5 SMHS Credits

Grade Elig: 11-12

This class explores the mental and emotional aspects of the individual. This semester course covers psychological influences, development, and abnormalities through multiple perspectives. This study of the mind looks at the causes of human behaviors. This class consists of several simulations and a required case study to emphasize the importance of psychology within each student's daily life

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***CURRENT EVENTS & CIVIL RIGHTS**

Semester I

.5 SMHS Credits

Grade Elig: 11-12

This class examines the issues and events of our globalized society. We will also examine the Civil Rights movement. Students will focus on the teachings of Henry David Thoreau, Gandhi and Martin Luther King. Students will examine events during the civil rights movement such as school segregation, Jim Crow laws, bus boycotts, freedom rides, Birmingham marches, Selma, Alabama and voting rights.

***CRIME AND JUSTICE**

Semester

.5 SMHS Credits

Grade Elig: 11-12

The Criminal Justice system is the subject of this class. The causes and solutions of violent crime, the role of the prison system and alternative corrections are part of this study. The rights of the accused, the court system, juvenile justice and courtroom procedure will be reviewed. Special speakers will present on different legal aspects of our system. Students will be expected to research and present information on an aspect of crime and justice within American society.

SPECIAL EDUCATION

Staples-Motley High School offers extensive Special Education Services to students currently on an IEP. Students or parents who have questions regarding their registration should contact their student's case manager. Students receiving Special Education Services will be assisted in their registration process by their Special Education Case Manager where necessary and appropriate.

WORLD LANGUAGES

Many public and private colleges require that students have begun study of a World Language for at least two years. However, communicative competency will not be achieved if students abandon study of the language after only two years.

The MN Articulation Project (which is in the process of facilitating the transition from HS to post-secondary language study) recommends keeping the following values in mind when registering for language study: continuity – an uninterrupted course of study, from the student’s first class in the language throughout his/her adult years, and persistence – the need for students to persist in their language studies so that they are able to acquire higher levels of proficiency.

Staples-Motley High School students can start language study at any time; however, they should be in their second, third, or fourth year of language study as a senior. That way, students not only are able to test out of introductory language courses at the post-secondary level, but they also have the option to further their language proficiency in the most efficient consecutive manner.

SPANISH I

Year

.5 SMHS Credit/Semester

Grade Elig: 9-12

Do you want to learn Spanish? Are you interested in learning more about the Spanish-speaking world? This course provides a great starting point. In the first year of study, you will be introduced to important fundamentals of the Spanish language (i.e. pronunciation, vocabulary and beginning grammar), basic history of Spain and of the Spanish language, geography of the Spanish-speaking world, as well as some common elements of Spanish-speaking culture(s). The course’s main emphasis will be on speaking skills centering around various topics; such as greetings, introductions, school/home environment, basic descriptions, numbers, prepositions, going places, family and everyday Spanish vocabulary. Small increments of speaking and writing practice are required each day.

SPANISH II

Year

.5 SMHS Credit/Semester

Grade Elig: 10-12

Pre-req: Spanish I or with permission from the instructor (according to previous experience with the language and/or proficiency level

In Spanish 2, students will truly begin their transition to Spanish communication through the experience of contextualized immersion. Students will enjoy language acquisition through a variety of songs, role-plays and games as well as numerous opportunities for practice. Students are encouraged to attain a progression of communicative functions, and efforts to communicate in Spanish are recognized on a regular basis. In addition, comprehension and knowledge of Spanish is enhanced through a variety of contextualized readings. During the second year of study more focus is placed on the study of Mexico and Spanish-speaking areas of the United States. Continuing to study another language and culture is an excellent way to develop cultural sensitivity.

CIS SPANISH III (SPAN2401)

Year

4 CIS Credits/Year

1 SMHS Credit/Semester

Grade Elig: 11-12

Pre-req: Spanish II or with permission from the instructor (according to previous experience with the language and/or proficiency level

This course is an important step in the student’s efforts to become fluent in Spanish. Because Spanish is the second language in the United States, ongoing dedication to learning more about the Spanish language and culture will enhance many different career opportunities, as well as allow for rewarding personal growth. The course is taught in Spanish and students are encouraged to practice their listening, speaking, reading and writing skills on a regular basis. We will continue to study literature, culture(s), thought-provoking themes and current events in the Spanish-speaking world. Spanish III is a CLC Enrollment Class and is worth 4 college credits.

CIS SPANISH IV (SPAN2404)

Year

4 CIS Credits/Year

1 SMHS / Semester

Grade Elig: 12

Pre-req: Spanish I, II and III or with permission from the instructor (according to previous experience with the language and/or proficiency level

Spanish IV is an Advanced Placement Course with special emphasis on comprehending different types of literature and expressing one’s ideas through written and spoken Spanish. You will also continue study of the culture and current-day issues in the Spanish-speaking world. This course is intended for students who want to enhance their basic skills and challenge themselves to become more fluent in the language. Spanish IV is a CLC Enrollment Class and is worth 4 college credits

ON LOCATION STUDY OF LANGUAGE/CULTURE

1 SMHS Credit

Students will enhance their communicative competency in the target language as well as their knowledge of the culture through a period of total immersion in the country. This course involves summer travel, experiencing daily life with a local family, attending school (if possible) conversing with native speakers to attain one’s needs, keeping a diary, and organizing a notebook about travel experiences.

- Special arrangements with instructor.
- Pre-departure meetings and 1 ½ - 2 weeks on location.