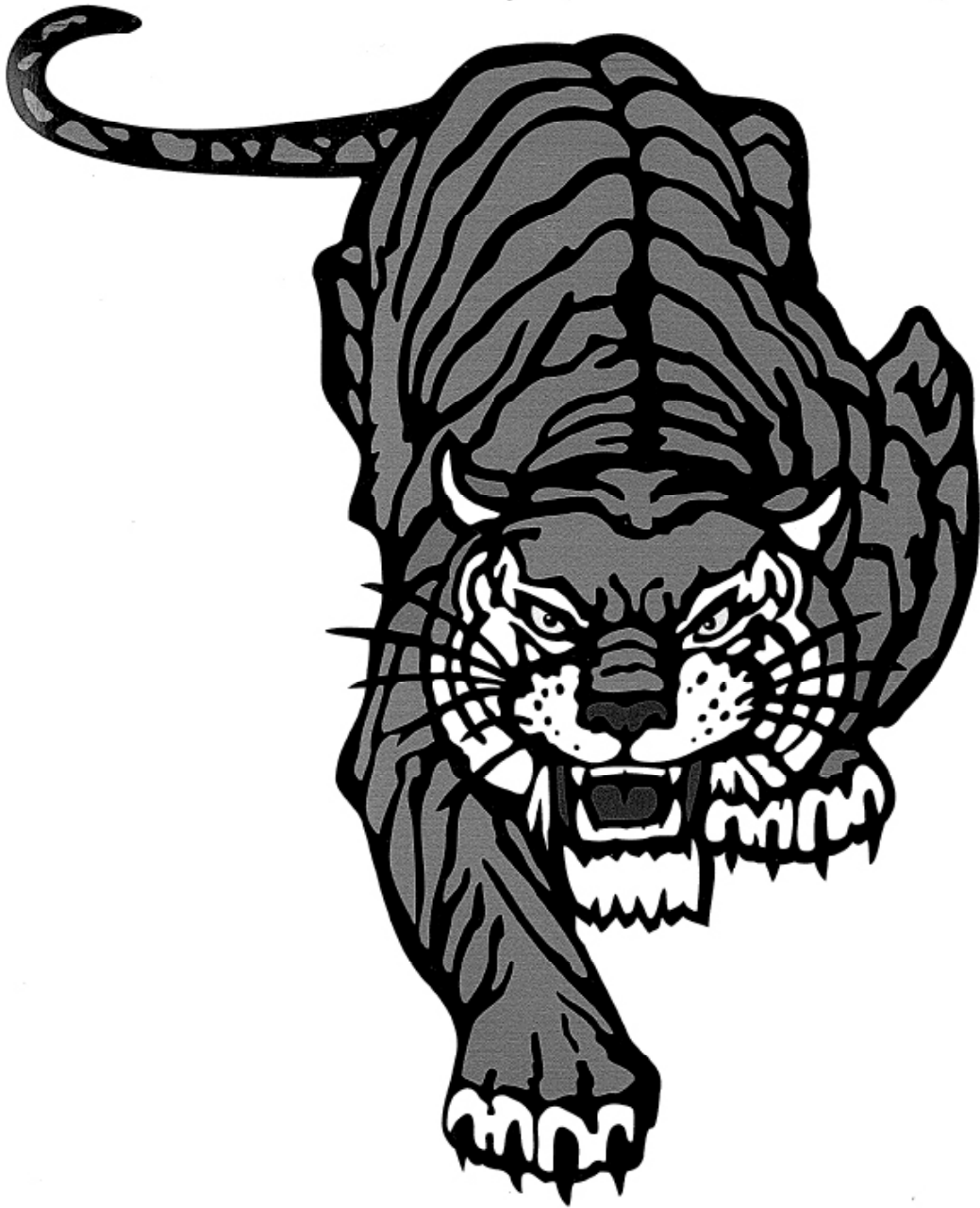


**BELLE PLAINE  
HIGH SCHOOL  
2013-2014  
COURSE REGISTRATION GUIDE**



*“Our mission is to provide educational opportunities that meet the needs of individual learners.”*

JH/SH Principal  
Dave Kreft

HS Counselor  
Laurie Green



# **BELLE PLAINE SENIOR HIGH SCHOOL REGISTRATION GUIDE 2013-2014**

Belle Plaine High School  
220 S. Market Street  
Belle Plaine, MN 56011

District telephone (952) 873-2400  
Website: [www.belleplaine.k12.mn.us](http://www.belleplaine.k12.mn.us)

## **TABLE OF CONTENTS**

General Information.....	2-7
Agri-Business / Agri-Science.....	8-9
Art.....	10
Business Courses.....	11
Chaska Learning Center Programs.....	28-37
Family and Consumer Science .....	14
English.....	12-13
Foreign Language.....	15
Health .....	15
Industrial Technology.....	16
Mathematics.....	17-18
Music.....	19
Physical Education .....	20
Science.....	21-22
Social Studies.....	23-24
Support Programs.....	26-27
Technology .....	24-25

## GENERAL REGISTRATION INFORMATION

Each spring, one week will be designated as registration week for the following year. This week will be widely publicized to students and parents. On the first day of the week, one class period will be set aside so that all teachers may distribute registration forms and review registration information and procedures with their classes. During the remainder of the week, students will have opportunities to discuss their registration with others who can help them. Parents are encouraged to be involved in this discussion process and to encourage choices that will match individual needs. Students will be scheduled for classes according to their year in school. Seniors first, Juniors, then Sophomores, and finally Freshmen.

### STUDENT COURSE LOAD

To participate in graduation ceremonies, seniors must have completed all graduation requirements. Members of the class of 2014 and beyond must have earned 46 semester credits (each semester course equals one semester credit and each year long course equals two semester credits) and completed the requirements outlined by the State of Minnesota regarding graduation tests.

There are seven class hours per day. If a student selected seven courses each semester for four years, he/she would graduate with fifty-six credits. Most students enroll in six courses per semester, and graduate with forty-eight credits. Students are allowed flexibility to develop a program that meets their individual needs. Whatever course load a student chooses, the forty-six credit minimum must be kept in mind. The maximum course load, or credits allowed in one semester, is seven.

### CUMULATIVE GRADE POINT AVERAGE AND HONOR ROLL

Cumulative Grade Point Average (GPA) is calculated beginning in Grade 9 through the end of Grade 12. Every course with a mark of A through F is used in calculating cumulative GPA. Students whose cumulative GPA is 3.85 or above will be recognized at graduation as high honor students. Students with a GPA of 3.5 to 3.845 will be recognized at graduation as honor students.

Each quarter after report cards are issued, all students who have achieved a "B" average (3.0) or above for the quarter will be listed on the honor roll. To be included students must earn letter grades in five or more courses and must not have an incomplete.

The numerical representation of grades is as follows:

<b>A</b>	<b>4.00</b>		<b>C</b>	<b>2.00</b>
<b>A-</b>	<b>3.67</b>		<b>C-</b>	<b>1.67</b>
<b>B+</b>	<b>3.33</b>		<b>D+</b>	<b>1.33</b>
<b>B</b>	<b>3.00</b>		<b>D</b>	<b>1.00</b>
<b>B-</b>	<b>2.67</b>		<b>D-</b>	<b>0.00</b>
<b>C+</b>	<b>2.33</b>		<b>F</b>	<b>0.00</b>

## POSTSECONDARY ENROLLMENT OPTIONS PROGRAM

Postsecondary Enrollment Options (PSEO) allows a high school student to attend a college or technical institute, either full-time or part-time, at no cost to the student. The PSEO is designed to promote rigorous educational pursuits, and to provide a wide variety of options for students.

PSEO provides Juniors and Seniors, who meet the qualifications of the postsecondary school of their choice, the opportunity to take college courses for high school and college credit. The costs of attending are paid by the state for the student, including tuition and textbooks. The only financial responsibility to the student is transportation to and from the school. Credits count toward students' diplomas and toward their high school grade point averages. The credits and GPA will be placed on your high school transcript and the grade will be calculated into the student's cumulative GPA. The university or college shall also grant credit upon successful course completion.

Students who are interested in learning more about PSEO or applying for PSEO may see the high school counselor. The best time to see the counselor is in the spring before planning a PSEO experience.

## GRADUATION REQUIREMENTS

**Graduating classes of 2014 and beyond must pass 33 required semester credits and an additional 13 elective semester credits. All required courses must be taken for an A-F letter grade and may not be taken Pass/Fail.**

English: Full year of English 9  
Full year of English 10  
Full year of English 11 or Honors English 11  
Full year of English 12 or Global and Tech Communications  
or CC Literature and Writing

Mathematics: Three full years of Mathematics

Social Studies: Full year of Civics 9  
Full year of American History 10  
Full year of World Cultures or Honors Geography  
Full year of Senior Social or CC Political Science/Honors Sr Social

Science: Full year of Physical Science 9  
Full year of Biology 10  
Full year of a Science Elective to include Chemistry or  
Conceptual Chemistry, Conceptual Physics or Physics

Physical Education: One Semester of Physical Education 9  
One Semester Additional Physical Education Class  
One Semester of Health 10/Family Issues

Fine Arts: Two Semesters of Fine Arts which include Music Education,  
Art Education

Electives: Thirteen (13) semester credits, which may be made up of full year or semester long courses

CC= Concurrent Enrolled College Courses

## GRADUATION RULE REQUIREMENTS

Students must pass the GRAD Reading Test and the Written Composition Test. Through 2014, students in grade 11 who do not pass the high school mathematics exam can still graduate if they complete all coursework and credits required for graduation, participate in district-prescribed academic remediation in mathematics, and participate in at least two retests of the Mathematics GRAD test or pass the Mathematics GRAD, whichever happens first. Members of the Class of 2015 and beyond must pass all three tests to graduate, including the mathematics exam. Students are responsible for keeping track of tests scores and monitoring their status for graduation. Students who have disabilities have access to modified test formats, accommodations, modifications, or exemptions. Decisions about accommodations, modifications, or exemptions will be made in consultation with parents, students, and staff members. Students or parents should see the counselor with questions or concerns.

## COLLEGE/POSTSECONDARY EDUCATION

Each postsecondary school sets standards of preparation that they believe will provide the background necessary for students to succeed at their college. In addition to academic preparation and background, there may be other factors considered in a college admission decision, such as participation in activities, leadership potential, and work experience. This is particularly true at more selective schools. All students are strongly advised to

- visit the Career Resource Center to research specific requirements for admission to their school(s) of choice
- meet with admissions representatives when they are scheduled at school
- call or email colleges directly or check websites.

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

### **Community Colleges**

Community colleges follow an open enrollment policy. Some programs have specific entrance requirements and/or skill assessments that should be checked carefully by the student before completing an application. Community college programs are typically completed in two years. The student may earn a 2-year Associate's Degree in the program areas of liberal arts or science. Students, with or without an Associate's Degree, may also transfer to a 4-year college to continue their education. Most credits earned in a community college program will transfer to 4-year colleges and universities. Normandale, Inver Hills, and Century Colleges are examples of Community Colleges.

### **Technical Colleges**

There are many public vocational-technical schools scattered throughout the region that offer more than 300 different types of training for students who are high school graduates. Technical colleges follow an open enrollment policy. Some programs have specific entrance requirements. Technical programs are typically completed in two years or less and are geared towards hands-on learning. Some credits may transfer to 4-year colleges. Technical training programs include licensed practical nursing, auto mechanics, plumbing, banking, optical technology, machinist, secretarial training, commercial art, and a variety of other options. Examples of technical colleges include Dakota County and Hennepin County Technical Colleges.

### **Four-Year Colleges and Universities**

The following minimum courses are required:

- Four years of English, including composition and literature
- Three years of Mathematics, including two years of algebra and one year of geometry. Pre-Calculus is strongly advised.
- Three years of Science, including one year of a biological science and one year of chemistry or physics
- Two years of a single World Language
- Three years of Social Studies, including U.S. History and Geography
- One year of visual and/or performing arts (art or music classes)

## **MSU, MANKATO CONCURRENT ENROLLMENT CLASSES**

Minnesota State University (MSU), Mankato Concurrent Enrollment is a collaboration between Minnesota State University-Mankato (MSU-Mankato) and area high schools. This partnership offers qualified students the opportunity to earn university credit prior to high school graduation. Concurrent enrollment provides MSU approved courses in the high school setting during school hours. All concurrent enrollment courses are taught by highly qualified high school instructors endorsed and mentored by faculty from MSU-Mankato. Students who complete a concurrent enrollment course receive MSU academic credit, which may transfer to other colleges and universities (acceptance or transfer credit is always guided by the policies of the individual college or university.)

Students registering for these college courses must complete an application and meet admission criteria:

- Seniors must have a 3.0 GPA (on a 4.0 scale) –or – an ACT composite score of 21 or higher
- Juniors must have a 3.5 GPA (on a 4.0 scale) – or – an ACT composite score of 23 or higher
- Students not qualified under the above criteria may qualify by earning a successful score on the Accuplacer.

The following courses are offered as concurrent enrollment through MSU-Mankato:

- MSU English 101 – Composition (1 HS semester credit and 4.0 college credits)
- MSU English 113 – Introduction to Prose Literature (1 HS semester credit and 4.0 college credits)
- MSU Political Science 111 – U.S. Government (1 HS semester credit and 3.0 college credits)
- MSU Biology 100 – General Biology (1 HS Credit and 4.0 college credits)

### **Articulated College Credit**

As a part of an Articulated College Credit (ACC) agreement, Belle Plaine High School students may earn college credit for an identified high school course. It is important to note there are many courses taught at secondary institutions that are part of Tech Prep which prepare students for college level coursework in technical programs but do not generate college credit.

College and high school faculty/instructors meet to evaluate a course or courses to qualify them as ACC credit. When the following criteria are met, an agreement is developed to accompany a new or existing Career and Tech Education Program.

The course content will be the same as or equivalent to the college course content and have the same rigor as that of the college course. Faculty/instructors will identify course objectives and competencies. Faculty will evaluate number of credit hours to be recommended.

Adhering to assessment criteria, college faculty will determine postsecondary instructional assessment tools needed to effectively determine student performance on course objectives. College and high school faculty/instructors will assure college level grading on assignments and assessments.

- Student must be awarded college credit if the agreement is in effect and terms of the agreement are met.
- If the college course changes prior to the life of the credit expiring, a student must be awarded credit (grandfathered in) for the course. However, there may be a college requirement to complete the changed course without tuition penalty.
- Colleges may “grandfather” students into successive college catalog years for the life of the credit for this agreement.

### **Belle Plaine Public Schools Articulated College Credit**

Current Articulated College Credit courses that are currently in effect include:

Small Engines  
Intro to Welding  
Advanced Welding

## ADVANCED PLACEMENT PROGRAM

The Advanced Placement Program consists of 33 college-level courses and exams in 19 disciplines designed for highly motivated students in secondary schools. Its exceptional reputation is made possible by the close cooperation of secondary schools, colleges, and the College Board. More than 2900 universities and colleges worldwide grant credit, advanced placement, or both to students who have performed satisfactorily on the exams, and approximately 1400 institutions grant sophomore standing to students who have demonstrated their competence in three or more of these exams.

Courses and exams are now available for the following subject: Environmental Science.

In May, students will be offered an AP exam. A three-hour examination covers this one-semester introductory college course in environmental science with laboratory. The exam includes 90 minutes of multiple-choice questions that are designed to cover the breadth of your knowledge and understanding of environmental science and 90 minutes of free-response questions. The free-response questions consist of one data-set question, which requires you to analyze and interpret sets of data; one document-based question, in which you answer questions related to a given document (such as a pamphlet, advertisement, or newspaper article) and apply your knowledge of environmental science to contexts that are timely, relevant, and authentic; and two synthesis/evaluative questions, which are in-depth, often multi-part essay questions.



## ACADEMIC TESTING

In addition to the general entrance requirements, most colleges and universities require the student take one or more national standardized tests. The information concerning these tests is available at the high school, but all testing and scoring are carried out by the accredited testing agency. All are optional, but it is the student's individual responsibility to sign up for those tests in which he/she is interested. Fees are designated by test agencies and are subject to change. The following tests are available to students:

### **PLAN**

This is a 10th grade test that provides students with an idea of how they may perform on the ACT assessment test. In addition to gauging academic achievement, the PLAN provides information for educational and career planning.

### **PSAT**

The PSAT is the way to qualify for national scholarships through the National Merit Scholarship Corporation (NMSC). The NMSC advises that juniors who are in the top 1/3 of their class and who have taken advanced English and math courses may be eligible for scholarship consideration if they score high enough on the PSAT.

### **ACT**

The ACT is generally taken in the spring of the junior year or early in the senior year. This test measures skills in four major curriculum areas: English, mathematics, reading, and science reasoning. There is an optional writing component.

Website: [www.act.org](http://www.act.org)

### **SAT**

The SAT is generally taken the spring of the junior year or early in the senior year. This test is usually required by schools located on the East and the West Coasts of the US. Website: [www.collegeboard.com](http://www.collegeboard.com)

# COURSE DESCRIPTIONS – 2013-2014

## AGRICULTURE, FOOD & NATURAL RESOURCES (AFNR) EDUCATION

### Recommended Agriculture & Technical Career Pathways:

Animal Systems	-	Construction Technology
Agribusiness Systems		Drafting
Environmental Service Systems		Electricity
Natural Resource Systems		Manufacturing
Plant Systems		Mechanics
Power Structural and Technical Systems		Tool & Dye
Communications and Education		Welding

All AFNR courses will have a youth leadership project and a experiential learning project that will require time outside of class to engage students in their community and the world around them. The projects are designed to enhance the classroom activities by developing leadership skills and getting student excited about future education and career options.

Leadership and Career Development opportunities for students through the FFA (an intra-curricular student group) will be presented. FFA is an integral part of the curriculum. Each student is encouraged to become a member of the Belle Plaine FFA Chapter and take an active part in the many career development events, leadership opportunities, field trips, contests and recreational activities available through FFA. FFA members are required to have an AFNR class. If a student in grades 7-12 cannot take an AFNR course within their academic load, there maybe an option to meet this requirement through Community Education offerings next year. Please contact the FFA Advisor

### INTRODUCTION TO TECHNOLOGY

Course Number: 6000 Course Length: One Year - 2 Credits

Grade Level: 9-12

This year long course will introduce students to a variety of technology units and personal development units. All units will be instructional and will have a variety of hands on activities. Some of the units may include: drafting, construction methods, woodworking, leadership and communication, career exploration, record keeping, computer aided drafting (CAD), solar power, fluid power, gears & pulleys, transportation, aerospace, sheet metal fabrication, and marketing. This is a prerequisite for 9th grade students planning on taking Elements of Woodworking or CAD. Project fees will be based on size of take home projects.

### SMALL ENGINES/AG POWER

Fall

Course Number: 5750 Course Length: One Semester (1st) - 1 Credit

Grade Level: 10-12 Articulated College Credit - Small Engines Available

Students will develop an understanding in the basic operation of a small gas engine and the various systems including: ignition, carburetion, and compression. Students will disassemble, measure components and reassemble a 2 stroke and 4 stroke engines. Each student will then be required to bring a small gas engine in for service and/or repair. Various hand tools connected with small engines will be used. Parts that are needed for a student's own engine will have to be purchased by the student.

### CAREER EXPLORATION/EXPLORATORY AGRICULTURE

Course Number: 5525 Course Length: Year Long - 2 Credit

Grade Level: 9-12

The Career Exploration section of this class will allow students to research a variety of career interest areas in and out of agriculture. Students will then research and evaluate a variety of career areas. This may include a job shadowing activity or supervised experience to gain insight within that career area.

The Exploratory Agriculture section of the class will set a foundation for most of the students in their time with FFA and the Agri-Business/Agri-Science Department. The class will allow the students to set goals for themselves, learn what is expected of them, and what agriculture and the local community has to offer them as students and future employees. The units to be taught include but are not limited to record keeping, FFA, commodity marketing, SAE, agricultural sales, leadership, agricultural careers, animal and plant science, natural resources and Ag Tech (hot topics such as cloning, food science and hydroponics). There maybe fees for some take home projects during the year.

### INTRODUCTION TO WELDING

Spring

Course Number : 5650 Course Length: One Semester (2nd) - 1 Credit

Course Level: 10-12

Articulated College Credit -Welding Available

This introductory class will focus on the understanding and skill of welding and metal fabrication. Students will study safety, shop layout, joint design and welding blueprints. Students will then practice and perfect welding skills using Arc Welders (stick), Wire feed (MIG), and Oxy-acetylene machines. As time allows, small projects will be completed and purchased by students.

## **AGRICULTURE, FOOD & NATURAL RESOURCES (AFNR) EDUCATION- Cont.**

### **WILDLIFE MANAGEMENT 2**

Fall

Course Number:                      Course Length: One Semester (1st) -1 credit

Grade Level: 10-12

Wildlife Management I & 2 are related, but can be taken in any order. The purpose of this course of study is to provide a foundation in the management of small and large mammals, upland game birds, birds of prey and other native wildlife in Minnesota. The course will begin with a quick review of the historical perspective of wildlife management and move on to the benefits wildlife provides communities and the agricultural industry. The course will look at the factors of space, shelter, food, predators, and human intervention for mammals, upland game birds, and other wildlife native to Minnesota. Students will discuss issues such as population and harvesting management, economic value, and animal rights/welfare. The students will also complete hands-on projects that teach basic anatomy and physiology.

### **ENGINEERING & TECHNOLOGY in AGRICULTURE**

Spring

Course Number:                      Course Length: One Semester - 1 Credit

Grade Level: 10-12

Students will explore technologies commonly used in the industry of agriculture. Students will explore solutions to emerging technologies related to energy, power, bio-systems, and the environment. Students will use scientific and mathematical principles to create plans and construct projects relating to constructional design, transfer of power, fluid power and alternative energy solutions. Students will learn about land measurement by use of differential leveling and uses of global positioning technology. The class may compete in a tech challenge at the state level. There may be fees for some take home projects during the year.

### **Pre-Vet Med (Animal Science)**

Fall

Course Number: 1890                      Course Length: One Semester (– 1 credit)

Grade Level: 11-12                      Pre-requisite: Must have passed Biology – Science credit granted.

A science based course dealing with biological systems, nutrition, genetics and breeding, animal health, selection an evaluation, management decisions and current topics in the livestock and companion animal industries. Lab activities will provide opportunities for problem-solving through practical applications to learn scientific concepts. Students interested in a career in the livestock industry, veterinarian medicine or other animal care careers should take this course.

### **PLANT SCIENCE/Horticulture**

Spring

Course Number:                      Course Length: One Semester - 1 Credit

Grade Level: 10-12                      Pre-requisite: Must have passed Biology – Science credit granted.

This class will cover the basics of growing plants. Utilizing current facilities, students will get hands-on experience growing, breeding and propagating plants. Plants will be grown from seed, cuttings and other techniques. Students will utilize hydroponics technology to grow common vegetables indoors year-round. Students will also study the use of hormones to change growth patterns in plants and their commercial application within the horticulture industry.

### **SMALL BUSINESS MANAGEMENT / ENTREPRENEURSHIP**

Spring

Course Number:                      Course Length: One Semester - 1 Credit

Grade Level: 10-12

Students will learn the methods of starting, maintaining, and analyzing an agribusiness. Students will have the opportunity to create their own business plan and learn about general financial management, budgeting, getting a loan, taxes, saving money, finance the world of work to include employer-employee relations and other responsibilities of owning a business.

### **COMMUNICATIONS & MARKETING**

Fall

Course Number:                      Course Length: One Semester - 1 Credit

Grade Level: 10-12

Communications & Marketing is an experiential learning class that allows students to try marketing first hand on theoretical and/or real products. Students will spend the term on communication & marketing “teams” that will select a product/service and then continue with product and market research. Using this data, student teams will then develop business goals and objectives. Based on their goals, the team will work on developing communications and marketing plans. Students will develop writing and presentation skills through press releases, graphic arts, radio broadcasting, blogging. Teams will also develop ways to evaluate whether the plan is a success.

### **WORK PROGRAM**

Course Number: 6700 Course Length: One Semester or year long - 1 Credit per semester

Grade Level: Seniors Only Pre-requisite: Instructor approval

Students may earn one credit each semester by participation in a cooperative work experience program. Seniors may be released up to 2 hours/day provided they continue to meet the program’s requirements. Monthly paper work will be required on scheduled dates. Meeting these deadlines along with an employer and teacher evaluation will determine the grade for this class.

# ART

## **VISUAL EXPERIENCE I - The Birth of Art I**

Course Number: 3000                      Course Length: One Year - 2 credits  
Grade Level: 9-12

The subjects, art forms and media of the art created during the times of prehistoric art through Ancient Rome will inspire work in drawing, painting, print making, bookmaking, sculpture, pottery, 2D mixed media and weaving. The artist will explore a variety of materials including charcoal, chalk pastels, watercolor and acrylic paints, clay, ink and linoleum block, handmade paper and fibers. Art technique, design and creative problem solving skills will be developed through the use of coursework and sketchbook assignments.

This course will meet the fine art credit requirement needed for graduation.

Materials Fee: \$25.00

## **DRAWING I**

Drawing will be done from direct observation of the figure, still life, landscape and architecture. Technical and compositional skills will be developed by using a wide range of drawing media such as, graphite, colored pencil, charcoal, ink, chalk pastel, oil pastel, watercolor, acrylic and mixed media in recording a variety of subjects.

Personal style and creative problem solving will be developed through coursework and the use of sketchbook assignments.

This course will meet the fine art credit requirement needed for graduation.

Materials Fee: \$25.00 first semester

## **APPLIED ARTS**

Course Number:    Course Length: 1 year – 2 Credits

Grade level: 9-12

Creating functional items where design, creativity, and technical skills, in addition to utility, are emphasized. These skills will be developed while working in a variety of craft forms including basketry, batik, bead work, glass etching, mosaics, paper making, paper marbling, pottery, both hand building and wheel throwing, print making, screen printing, silk painting and weaving.

This course will meet the fine art credit requirement needed for graduation.

Materials Fee: \$15.00-\$25.00 dependent on project selection.

## **3D DESIGN**

Course Number:    Course Length: 1 year – 2 Credits

Grade level:

Exploration of media and development of art techniques, compositional skills and creative problem solving will be developed while working in three-dimensional forms. Traditional and contemporary materials, realism and abstraction and additive and subtractive techniques will be investigated while learning safe and appropriate use of tools and materials in the studio.

This course will meet the fine arts credit requirement needed for graduation.

Material fee: Dependent on project selections.

# BUSINESS COURSES

## **SMALL BUSINESS MANAGEMENT/ENTREPRENEURSHIP**

Grade level: 10-12                      Course Length: One Semester - 1 Credit

Students will learn the methods of starting, maintaining, and analyzing an agribusiness. Students will have the opportunity to create their own business plan and learn about general financial management, budgeting, getting a loan, taxes, saving money, finance the world of work to include employer-employee relations and other responsibilities of owning a business.

## **ACCOUNTING I**

Course Number: 4500                      Course Length: One Year - 2 Credits  
Grade Level: 9-12

Students will take a look at how to run a partnership, sole proprietorship and corporation. Students will learn the similarities and differences in the accounting process for each. Students will learn the key accounting terms and concepts and how to use them in the correct situations. During the class students will work on Business Simulations giving them a hands on approach of how bookkeeping is done.

## **ACCOUNTING II**

Course Number: 4525                      Course Length: One Year - 2 Credits  
Prerequisite: Accounting I

Students will continue to expand their knowledge of accounting. In this class students will look into Voucher Systems, how departmentalized accounting works and get a better understanding of Corporate accounting. Students will again work on Business Simulations working more with payroll, Accounts Payable and Accounts Receivable.

## **PERSONAL FINANCE**

Course Number: 1440                      Course Length: One Year - 2 Credits  
Grade Level: 11-12                      Preferred to have completed: Accounting I

Students will learn the skills needed to live and operate on their own. Students will take a look at how to invest money, get a loan for a home or car, the world of insurances will be discovered. This class will give the students an opportunity to learn what it takes to live on their own, and what type of finances they will need to live the life they want.

## **SPORTS MANAGEMENT**

Course Number:                      Course Length: One Year - 2 Credits  
Grade Level:                      Preferred to have completed: Accounting I

In this class students will explore how the world of sports and money meet and what drives the sports worlds. Students will learn the steps involved in developing an idea into a reality. Students will be expected to be up to date on the sports and entertainment worlds. This class is for those that may see themselves chasing a career in the sports/business world.

## **COMMUNICATIONS & MARKETING**

Fall

Course Number:                      Course Length: One Semester - 1 Credit  
Grade Level: 10-12

Communications & Marketing is an experiential learning class that allows students to try marketing first hand on theoretical and/or real products. Students will spend the term on communication & marketing "teams" that will select a product/service and then continue with product and market research. Using this data, student teams will then develop business goals and objectives. Based on their goals, the team will work on developing communications and marketing plans. Students will develop writing and presentation skills through press releases, graphic arts, radio broadcasting, blogging. Teams will also develop ways to evaluate whether the plan is a success.

# ENGLISH

## **ENGLISH 9**

Course Number: 0125      Course Length: One Year - 2 Credits  
Grade Level: 9

English 9 is a required full-year class designed to let students learn through literature. A whole language approach will be used to understand grammar, effective writing, and literature themes. Specific units will include literature by genre, human rights literature, Shakespeare's Romeo and Juliet, and mythology from around the world. We will supplement these with films and plays that connect these themes.

## **ENGLISH 10**

Course Number: 0175      Course Length: One Year - 2 Credits  
Grade Level: 10

English 10 is a required full year course. The theme for English 10 is **tolerance**. This is woven into our lessons as well as our daily classroom atmosphere. "Tolerance is respect, acceptance and appreciation of the rich diversity of our world's cultures, our forms of expression and ways of being human. Tolerance is harmony in difference". We will be focussing on speech communications, the novel, essay writing, research skills, and film history and exploration.

## **ENGLISH 11**

Course Number: 0225      Course Length: One Year - 2 Credits  
Grade Level: 11 Prerequisite: English 10

English 11 fulfills the requirement for an English course at this level. In this full year course, students explore the development of American culture through its literature by reading poetry, drama, short stories, essays, and novels by great American authors from the past and present. Students study several films and write personal essays, book reviews, and a brief research paper.

## **HONORS ENGLISH 11**

Course Number: 0425      Course Length: One Year - 2 Credits  
Grade Level: 11 Prerequisite: Previously carried a B+ in English 10 and a \*Passing score (50) in Reading MN Grad Test

Must maintain a C in this class. This will be monitored quarterly

Honors English 11 is a full year course designed to challenge students preparing for post-secondary education. A survey of American thought and culture, the course focuses on the writings of such greats as Hawthorne, Cather, Hemingway, Steinbeck, and Fitzgerald, as well as a number of contemporary authors. Students will write several personal and literary essays as well a brief research paper. This course is a prerequisite for Concurrent Education (CC): English Composition and Literature.

## **ENGLISH 12**

Course Number: 0375      Course Length: One Year - 2 Credits  
Grade Level: 12

English 12 is a full year course designed for students who may not want to take the Concurrent English elective but are still considering some type of two or four year college program when they graduate from high school. This course highlights classic and contemporary British and world literature; the reading focuses on novels and short stories, nonfiction, poetry and drama. In addition to the literature, students will use this year to continue improvement of writing skills.

## **GLOBAL TECH COMMUNICATION**

Course Number:      Course Length: One Year - 2 Credits  
Grade Level: 12

This class is designed specifically for those students not pursuing a 2- or 4- year college degree. It is intended to build foundations of communication skills and understanding that will benefit the pre-vocational, pre-technical, and pre-school-to-work student. GTC is a class that helps students explore communication throughout the global professional world, helps them learn more about how worldwide business works. Students will also explore careers, and learn character-building skills to help them be more confident entering the "real world" setting. While compatible with all skill levels, teacher recommendation is recommended.

## **ENGLISH-Cont.**

### **CONCURRENT ENROLLMENT (CC): ENGLISH COMPOSITION and LITERATURE**

Course Number: Course Length: One Year – 2 Credits

Prerequisite: Honors English 11 and/or instructor recommendation (top 20% of student's graduating class at the end of the junior year)

#### **English Composition 101 (4 college credits) Minnesota State University of Mankato**

This CE course in English Composition is a college-level course for mature, highly motivated students. Its purpose is to enable students to write prose of sufficient richness, clarity, and complexity to communicate effectively with mature readers. The entire semester will focus on the writing process. Students will be able to demonstrate and practice strategies for idea generation, audience analysis, organization of texts, drafting, evaluation of drafts, revision, and editing; write papers of varying lengths that demonstrate effective explanation, analysis, and argumentation; become experienced in computer-assisted writing and research, locate and evaluate material, using PALS, the Internet, and other sources; analyze and synthesize source material, making appropriate use of paraphrase, summary, quotation, and citation conventions; employ syntax and usage appropriate to academic writing and the professional world.

#### **English 113W: Introduction to Prose Literature Syllabus (4 college credits)**

Minnesota State University of Mankato

This writing intensive CE course in English Literature is a college-level course for mature, highly motivated students. Its purpose is to enable students to read complex texts with understanding and to write prose of sufficient richness, clarity, and complexity to communicate effectively with mature readers. Students will continue to develop skills taught in Composition, applying them in the context of a particular discipline; expand students' knowledge of the human condition and human cultures, especially in relation to behavior, ideas, and values expressed in works of human imagination and thought. Through study in disciplines such as literature, philosophy, and the fine arts, students will engage in critical analysis, form aesthetic judgments, and develop an appreciation of the arts and humanities as fundamental to the health and survival of any society. Students should have experiences in both the arts and humanities.

You may be expected to purchase additional supplies/paperbacks during the course.

### **E.S.L. ENGLISH**

Teacher placement only Course Length: One Year - 2 Credits

This class is designed for students that do not have an English-speaking background and need to learn the English language. Classes are designed to teach the reading, writing, speaking and listening skills needed to become proficient at English. Time is also spent studying American culture to help students acclimate to life in the U.S.

\*Passing scores will be determined in late August. If any student does not pass the reading test but would still like to be in Honors English 11, they may appeal by writing a prompted essay that can determine their writing/reading performance.

## **FAMILY AND CONSUMER SCIENCE**

### **SENIOR HIGH FOODS**

Grade Level: 10-12

Course Length: 1 Semester (Fall)

This class will involve a quarter of cooking using fresh ingredients as gardens are abundant in the fall and a quarter using a variety of baking techniques. Each quarter will focus on labs built around healthy eating and nutritional knowledge for the student.

### **SENIOR HIGH SEWING**

Course Number: Course Length: One Semester (Spring) - 1 Credit

Grade Level: 10-12

Students will learn a variety of creative skills sewing for the home and family. Each project will be adapted to student skill levels.

**or**

### **SENIOR HIGH HOUSING AND INTERIOR DESIGN:**

Course Number: Course Length: 1 Semester -(Spring)

Grade Level: 10-12

This project based class will look at housing historically and today during first quarter. The second quarter will be based on interior design projects, again with a historical perspective and then modern living.



## FOREIGN LANGUAGE

### **SPANISH I**

Course Number: 2250 Course Length: One Year - 2 Credits

Grades: 10-12

Spanish I is the first of three levels. You will learn basic vocabulary, sentence structure and mechanics. You will learn about Spanish speaking countries and culture. Some of the topics covered are foods, family and sports. You will be learning through your textbook, workbook and online activities. Your language learning will be enhanced with games, videos and extras.

### **SPANISH II**

Course Number: 2300

Course Length: One Year -2 Credits

Grades: 11-12

Prerequisite: Spanish I must have received a C or better

Spanish II starts with a review of Spanish I. You will learn more complex verbs and ideas. You will continue learning about Spanish countries and culture. You will learn about travel, medicine and foods. You will continue with the same books and have online activities available to you also. Learning is enhanced with games, videos and extras.

### **SPANISH III**

Course Number : 2350 Course Length: One Year - 2 Credits

Grades: 12 Prerequisite: Spanish I & II

You will be learning even more verb tenses and mastering your use of the language. You will go into more depth on vocabulary including medical emergencies, travel plans, shopping, making reservations etc. You will have a new book and workbook this year with the same online activities available. Learning will be enhanced with games, videos and extras.

## HEALTH

### **HEALTH/FAMILY ISSUES**

Course Number: 2700/2750 Course Length: One Semester - 1 Credit

Grade Level: 10

#### **Health**

The Wellness Approach helps students examine their life-styles, select goals, make plans to achieve and maintain optimum health. This involves choosing behaviors that help prevent illness and accidents, promote health for oneself and others, and improve the quality of this environment. Additional units to be covered: FAD diets, nutrition, descision making and STD's.

#### **Family Issues**

This course will be exploring the issue of Teen Pregnancy, Reproductive system, Skills for Healthy Relationships, Family Relationships, and Peer Relationships.

# INDUSTRIAL TECHNOLOGY

## **INTRODUCTION TO TECHNOLOGY**

Course Number: 6000                      Course Length: One Year - 2 Credits  
Grade Level: 9-12

This year long course will introduce students to a variety of technology units and personal development units. All units will be instructional and will have a variety of hands on activities. Some of the units may include: drafting, construction methods, wood-working, leadership and communication, career exploration, record keeping, computer aided drafting (CAD), solar power, fluid power, gears & pulleys, transportation, aerospace, sheet metal fabrication, and marketing. This is a prerequisite for 9th grade students planning on taking Elements of Woodworking or CAD. Project fees will be based on size of take home projects.

## **CAD (Computer Aided Drafting)**

Course Number: 6050                      Course Length: One Year - 2 Credits  
Grade Level: 10-12                      Prerequisite: Intro to Industrial Tech.

This course will focus on the principles and theory of architectural and mechanical drafting. Students will develop an understanding of different CAD software through an array of drawings and projects. First semester will be centered around mechanical drafting while second semester will focus on architectural drafting.

## **Elements of Woodworking**

Course Number: 6100                      Course Length: One Year - 2 Credits  
Grade Level: 10-12                      Prerequisite: Intro to Industrial Tech.

In elements of woodworking students will focus on key concepts of furniture building and cabinetry construction. Topics to be studied may include safety, design/planning, cost analysis, vocabulary, and advanced techniques in tool use, construction methods and finishing. Each student will have the opportunity to create pieces of furniture for use in their first home, apartment, or dorm room. Students will choose two projects from a set of predetermined designs: night stand, dressers, coffee table, TV stand, DVD cabinet/ bookcase, and desk. Students will be responsible for the cost of materials ranging from 50-200 dollars.

## **LIGHT CONSTRUCTION METHODS**

Course Number:                      Course Length: One Year - 2 Credits  
Grade Level: 10-12

This class will cover basic methods of construction with a general emphasis on being a homeowner. It will also provide basic knowledge of related fields essential in Construction Trades. Topics covered in this course will include: Light framing methods, foundation and site preparation, finish carpentry, cabinetry, basic plumbing & electrical wiring, residential architectural design and career readiness/options. Students will work cooperatively on projects such as: camper cabin, bathroom vanities, and site prep. Student will also complete individual projects such as house design, typical wall sections and wiring/plumbing models.

# MATHEMATICS

Please note State Math Test requirement for classes graduating 2010 and beyond. Page 2 – General Information.

## **GEOMETRY**

Course Number:                      Course Length: One Year - 2 Credits  
Grade Level:                         Prerequisite: Algebra I or Intermediate Algebra

This course is a year long and covers geometric concepts of one-dimensional, two-dimensional, and three dimensional shapes and deductive and inductive reasoning. The study of geometry will develop the student's ability to think logically and to realize the importance of geometry in the world around us.

**A calculator, compass and protractor will be required for this class.**

## **STANDARDS GEOMETRY**

Course Number:                      Course Length: One Year - 2 Credits  
Grade Level:                         Prerequisite: Algebra I or Intermediate Algebra

Student entering standards geometry will see a class that covers the state standards at its core. It is a class based on using the tools of geometry to compute answers to geometry problems. The goal is that the atmosphere is welcoming to those students who may have struggled with algebra and need a help improving this skill while continuing to learn the principals of geometry. This class works at the speed of the students to insure understanding and retention. These standards will include the rules of (Parallel Lines, Polygons, Quadrilaterals, Triangles, Theorems, Postulates, Reasoning, Area and Volume)

## **ADVANCED ALGEBRA**

Course Number :                      Course Length: One Year - 2 Credits  
Grade Level: 9-12                      Prerequisite: Algebra I and Geometry

Advanced Algebra is a course that teaches Algebra 2 concepts over the course of one school year. Units of instruction include but are not limited to: Equations & Inequalities, Linear Relations and Functions, Systems of Equations and Inequalities, Quadratic Functions, Polynomials, Inverses, Radical Functions, Exponential Functions, Logarithmic Functions, Rational Functions, as well as Trigonometric Functions.

## **PRE-CALCULUS**

Course Number:                      Course Length: One Year - 2 Credits  
Grade Level: 10-12                      Prerequisite: Advanced Algebra

Precalculus is an upper-level math course designed to prepare students for calculus. Mathematical concepts are presented numerically, graphically, algebraically and verbally. Course content includes the study of: power, polynomial, rational, exponential, logarithmic, and trigonometric functions as well as conics, vectors, polar coordinates, complex numbers, and a preview of limits and derivatives. TI-83+ calculator or similar is strongly recommended.

## **CALCULUS**

Course Number: 1350                      Course Length: One Year - 2 Credits  
Grade Level: 10-12                      Prerequisite: Pre-Calculus

Continuation of work done in Advanced Math with review of Algebraic and Trigonometric principles. This will then continue with a study of functions, limits, differentiation, integration and related problem solving areas.

## MATHEMATICS Cont.

Please note State Math Test requirement for classes graduating 2010 and beyond. Page 2 – General Information.

### **HONORS GEOMETRY**

Course Number:            Course Length: One Year - 2 Credits  
Grade Level:              Prerequisite: Algebra I or Teacher recommendation

This course follows the same objectives as Geometry. Yet it incorporates more in-depth studies of theorems, concepts, procedures, and proof. This will be achieved with more intense linking of Geometry to Algebra concepts through deductive and inductive reasoning. It is meant for those with a strong Algebra I background. The study of Geometry will develop the students ability to think logically and prove the importance of geometry in the world around us.

### **ALGEBRA 2A**

Course Number:            Course Length: One Year - 2 Credits  
Grade Level:              Prerequisite:

Algebra 2A is a course that teaches the first half of Algebra 2 concepts over the course of one school year. It is meant to present material at a slower pace. Units of instruction include but are not limited to: Equations & Inequalities, Linear Relations and Functions, Systems of Equations and Inequalities, Quadratic Functions, Polynomials, Inverses, and some Trigonometry. Students in these courses will register for Algebra 2b the following school year.

### **ALGEBRA 2B**

Course Number:            Course Length: One Year - 2 Credits  
Grade Level:              Prerequisite: Algebra 2A

Algebra 2B will be a continuation of Algebra 2A. It will cover the final 7 chapters of the text and will focus mainly on material for the MCA 11th grade test. We will cover the following topics: Exponential and logarithmic functions and relations, rational functions and relations, conic sections, sequences and series, probability and statistics, and trigonometric functions and identities.

### **PSTL 1006 Mathematical Modeling and Prediction**

Credits: Three University of Minnesota semester credits

U of M Requirements Met with this Course: (MATH) – meets a U of M liberal education requirement in the Mathematical Thinking core

Prerequisite: C+ or better in Algebra 1 and Algebra 2 is required. A passing score on the MCA II is recommended if you are enrolling as a senior.

#### Course Description:

PSTL 1006 is a capstone algebra course and may be suitable for replacing a high school algebra III course. It introduces students to the art of mathematical prediction through algebraic modeling and elementary probability theory. The class covers techniques of representing the behavior of real-world data with algebraic equations, including linear, polynomial, exponential and logarithmic functions. Students also learn basic probability theory including counting methods and conditional probability. The class emphasizes the use of traditional algebraic methods and technologies such as graphing calculators and Excel spreadsheets to find equations that accurately represent the behavior of real-world data. There are several modeling assignments throughout the semester in which, students develop mathematical strategies for solving realistic problems. The emphasis on real-world problem-solving applications, delivered through non-traditional teaching methods, creates a challenging class in which students compare and evaluate mathematical arguments on a daily basis. Students improve their ability to communicate and evaluate mathematical reasoning.

# MUSIC

## **MIXED CONCERT CHOIR**

Course Number:            Course Length: One Year - 2 Credits  
Grade Level:

This choir is to include experienced singers who have met out teachers prerequisite- either through previous choir experience or one on one audition and interview. Placement in this class would be up to the teacher.

## **WOMEN'S CHOIR**

Course Number:            Course Length: One Year - 2 Credits  
Grade Level: 9-10

An all female singers to include beginning singers-9th and 10th grade girls- for developing female voices who want to experience choir for the first time or in a new way with this all girl choir.

## **MEN'S CHORUS**

Course Number:            Course Length: One Year - 2 Credits  
Grade Level: 9-10

An all male singers to include beginning singers-9th and 10th grade boys- for developing male voices based on risk-free, success for developing and changing male singing voices.

## **CONCERT BAND**

Course Number: 3600        Course Length: One Year - 2 Credits  
Grade Level: 9-12

To participate in this class you must have at least 3 years of band experience or have the permission of the director.  
This class meets every day.  
Pep Band is a requirement of this course.  
\*Evening and weekend performances are a requirement of this course.

## **MUSIC OVER TIME**

Course Number:            Course Length: One Year - 2 Credits  
Grade Level: 9-12

The first semester will cover the history of Jazz from the roots of Jazz to today. The second semester will cover the history of Rock and Roll from the 1950's to today.

# PHYSICAL EDUCATION

## **PHYSICAL EDUCATION 9**

Course Number: 2550      Course Length: One Semester - 1 Credit  
Grade Level: 9

Required course for freshmen; provides physical activity needed to grow and to keep physically fit.

## **TEAM ACTIVITIES**

Course Number: 2610      Course Length: One Semester - 1 Credit  
Grade Level: 10 -12      Prerequisite: 9th grade general PE

This course provides an opportunity to improve skill fundamentals and physical conditioning through the following activities: Basketball, Volleyball, Flag Football, Soccer, Speedball, Floor Hockey, Softball, Broomball, Bowling, Team Handball.

## **INDIVIDUAL/DUAL ACTIVITIES**

Course Number: 2615      Course Length: One Semester - 1 Credit  
Grade Level: 10-12      Prerequisite: 9th grade general PE

Class activities include; badminton, pickleball, archery, table tennis, tennis, and more. This class will promote a competitive environment, with a focus on improving individual/dual sports skills and strategies. Emphasis will also be on improving personal fitness, introducing new tools that will help in attaining and maintaining lifelong fitness habits.

## **STRENGTH TRAINING FOR ATHLETES**

Course Number:                      Course Length: 1 Credit  
Grade Level: 10-12

Students will develop weekly lifting/agility/speed programs to fit within their sports/activity. They will set weekly and monthly goals and review those goals and the process being made daily. Advisor will perform weekly reviews of process, effort, results, etc. and students will be graded on ability to develop, follow, adjust and understand program and workouts.

## **OUTDOOR ACTIVITIES**

Course Number:                      Course Length: - 1 Credit  
Grade Level: 10-12

Learn the many different outdoor activities that can be performed at the different times of the year. Will include individual activities, team activities, exercises, games, fitness activities, etc. May include biking, walking, jogging, hiking, roller blading, cross country skiing, snow shoes, ice skating, broom ball, swimming, etc.

## **WOMEN'S FITNESS**

Course Number:                      Course Length: 1 Credit  
Grade Level: 10-12

A fitness class designed solely for women seeking to improve overall health and well-being. The class will introduce a variety of conditioning exercises including; circuit training, interval training, weight lifting, zumba, zumba tone, tabata, yoga, and pilates.

## **FITNESS FOR A LIFETIME**

Course Number:                      Course Length: 1 Credit  
Grade Level: 10-12

A fitness class designed for those that are looking for the basic knowledge to live a healthy lifestyle beyond high school. A variety of cardiovascular, muscular strength and endurance activities will be introduced.

## **ADVANCED STRENGTH AND FITNESS**

Course Number:                      Course Length: 1 Credit  
Grade Level: 10-12

This course will be for students who would like a more intensive strength and fitness course. Instructor will provide several different lifting/fitness programs and the students can decide which program fits their fitness goals.

# SCIENCE

## **PHYSICAL SCIENCE**

Course Number: 1500

Course Length: One Year - 2 Credits

Grade Level: 9

This course introduces the general principles of physics and chemistry. Topics include measurement, concepts of scientific inquiry, the structure of matter, chemical reactions, motion, Newton's laws of motion, momentum, energy, work, power, heat, thermodynamics, waves, sound light, electricity, magnetism, and chemical principles. Upon completion, students should be able to demonstrate an understanding of the physical environment and be able to apply the scientific principles to observations experienced.

## **BIOLOGY**

Course Number: 1650

Course Length: One Year - 2 Credits

Grade Level: 10-12

Biology is the study of life. Many topics related to living systems will be covered. They are: (1) Cell structure, function and basic biochemistry, (2) Plant structure and function, (3) Animal structure and function, (4) basic animal reproduction in all living organisms, (5) Heredity and (6) Evolution.

## **ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE**

Course Number: 1600

Course Length: One Year - 2 Credits

Grade Level: 11-12

The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college level course in environmental science. The goal of the course is to provide students with the scientific principals, concepts and methodologies needed to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them.

The following themes are covered in this course:

- 1) Science as a process.
- 1) Energy conversions in ecological process.
- 1) The Earth as an interconnected system.
- 1) Humans and natural systems.
- 0) Environmental problems in culture and social context.
- 10) Human survival and sustainable systems.

## **CHEMISTRY**

Course Number: 1700

Course Length: One Year - 2 Credits

Grade Level: 10-12

Prerequisite: Algebra II (must have completed with a "C" average or better)

Chemistry is the study matter and the changes it undergoes. This course will require a good understanding of algebra. Labs and lab write-ups are required. Some of the major topics covered are: writing and balancing chemical reactions/equations, history of atomic theory, chemical bonds, thermal chemistry, acids & bases and maybe some organic chemistry. This course is designed to give any student planning to attend a 2-4 year college, for a career in science, medicine and to have a strong, confident knowledge of chemistry.

## **CONCEPTUAL CHEMISTRY**

Course Number: Course Length: Full year, 2 Credits

Grade Level: 10-12

Prerequisite: Algebra I

Conceptual Chemistry is a chemistry class that looks at real world problems and how science mainly chemistry is used to find information, and solutions to the problems addressed. The topics of discussion include solutions, chemical equations, materials, energy, and gas laws. Hands on, lab intensive approach for this class is taken.

## SCIENCE - Cont.

### ANATOMY

Course Length: 2nd Semester - 1 Credits  
Grade Level: 11-12      Pre-requisites - Biology

Human Anatomy will be covered 2nd Semester. All systems of the human body will be covered as well as an in depth look at Health/Medical issues. A comparative animal study will be done at the end of the course using the fetal pig.

### CC BIOLOGY :

Course Number;      Course Length: 1 Semester 1 Credit  
Grade Level: 11-12      Requirements: Biology, must be a junior in top 10% of class or senior in top 50%

Concurrent Biology is a 4 credit college course offered at Belle Plaine during 1st semester. It is a 2nd year focus of the Biological Sciences. It is divided into four broad content areas: Metabolism, Cell Biology, Mendelian Genetics, and Development.

### Conceptual Physics

Course Number:      Course Length: One Year – 2 credits  
Grade Level: 10-12  
Prerequisite: Algebra I

Conceptual Physics engages students with analogies and imagery from real-world situations to build a strong conceptual understanding of physical principles ranging from classical mechanics to modern physics. With this strong conceptual foundation, students are equipped to understand the equations and formulas of physics, and to make connections between the concepts of physics and their everyday world.

### PHYSICS

Course Number :1860      Course Length: One Year - 2 Credits  
Grade Level: 11-12      Prerequisite: Algebra III (must have competed with a “C” Average or better) / Teacher’s Approval

Physics is the study of everyday phenomenon. This course will require a good understanding of algebra. Labs and lab reports are required. Some of the major topics covered are: mechanics, forces, energy & work, waves, electricity, magnetism and modern physics. This course is designed to give any student planning for a career in science, medicine to have a strong and confident knowledge of physics.



# SOCIAL STUDIES

## CIVICS

Course Number: 0550

Course Length: One Year - 2 Credits

Grade Level: 9

Civics is a yearlong course required of all 9th graders. Students are exposed to qualities, characteristics, and requirements of citizens. Important documents are highlighted, including the Declaration of Independence, the Bill of Rights, and the Constitution. The focus is on the federal government, with exposure to the amendments, naturalization, branches of government, and current leaders. State and local government are explained in the 4th quarter of the class. Current developments with governmental issues are a keystone for the study of civics. Part of 4th quarter of civics is dedicated to a career unit, in which students do self exploration to plan for their futures.

## AMERICAN HISTORY

Course Number: 0600

Course Length: One Year - 2 Credits

Grade Level: 10

In this course, we start with the age of discovery and we go all the way to the present. We put strong emphasis on the creating of our constitution; how our nation expanded westward; how we were torn apart by slavery; and how we reshaped our country into the wealthiest, most powerful nation in the world. This course will help students understand the relationship between the past and the present. Only by learning about our nation's history can we understand what it means to be an American today.

## WORLD HISTORY

Course Number: 0650

Course Length: One Year - 2 Credits

Grade Level: 11

This class will be for students following a non-college plan throughout high school. The class will be a full year and will provide essential content and appreciation for the world's diverse cultures, at a more manageable reading level. The course will cover Middle Eastern & Asian (China & Japan) history from ancient to the present. Within each region a major part of that history will be the West's involvement and influence during the 19th & 20th centuries.

## HONORS WORLD HISTORY

Course Number: 0700

Course Length: One Year - 2 Credits

Grade Level: 11

Prerequisites: Must be in the upper 50% of your Class and \*Passing score (50) on the reading MN Grade Test

This class will be for students that are taking college prep classes throughout high school. The course will explore the common challenges and experiences that unify the human past, as well as global patterns over time. The class will cover the same information as the basic class, but with more attention to details and sources outside the textbook. This approach will emphasize analytical comparisons between cultures throughout history.

**Students planning on registering in the spring for the Concurrent Enrollment US Government class must be in the top 50% or higher or have a Composite score of 21 higher on the ACT test.**

## SENIOR SOCIAL

Course Number: 0750

Course Length: One Year - 2 Credits

Grade Level: 12

This course has two main components. The first semester is as focus on American Government, the course will study the three branches of government and focus on the role government plays in our life. The second semester focuses on Economics, the course will cover many various topics including supply and demand, the four factors of production and include a 9-week stock market project..

## **SOCIAL STUDIES - Cont.**

### **HONORS SENIOR SOCIAL & US GOVERNMENT - CONCURRENT ENROLLMENT**

Course Number: 0805

Course Length: One year - 2 Credits

Grade Level: 12

Prerequisite: Top 25% of the class after junior year or through instructor recommendation

This class surveys the executive, legislative, and judicial branches of the national government: the role of political parties, interest groups, and public opinion. Includes discussion of local and state government and the political uses of the law.

US GOVERNMENT: Become informed enough to play your part in governing the US. Start by learning the Constitution, our rights and freedoms, how the national government works and the opportunities and challenges of citizen influence. Political Science methods, and the challenges of citizenship are emphasized.

### **ESL Social**

Teacher placement only

Course length - 1 year (2 credits)

Grade level social studies for the ESL student.

## **TECHNOLOGY**

### **PUBLICATIONS 1**

Course Number:

Course Length: One Year - 2 Credits

Grade Level: 10-12

Prerequisite: You must complete an application to join publications.

This class is a combination of Yearbook duties, School wide Newscasts, School Announcements and Sports and Activities Filming/Reporting. Proficiency in writing and willingness to explore photography and graphic design are required. Attendance at many student and district events is necessary. Students develop abilities in gathering information, writing captions, understanding components of quality photography, editing skills, and techniques of headlines. Students are introduced to and begin to develop skills in the use various publishing techniques using Jostens Yeartech Online Software, iPhoto, Web 2.0 and other standard online and offline software programs. Students are required to participate in an advertising sales campaign. Emphasis is placed on developing skills in layout and design, graphics, and the use of Yeartech Online.

### **PUBLICATIONS 2**

Course Number:

Course Length: One Year - 2 Credits

Grade Level: 10-12

Prerequisite: Publications 1

This course is for second year students continue to develop their journalism skills from Publication 1. Students further develop their skills and knowledge in the use of Yeartech Online. Students are encouraged to assume a leadership role by holding an editorial staff position. Advanced students assume greater responsibility for the publication's planning and production. Students are required to participate in an advertising sales campaign.

### **PUBLICATIONS 3**

Course Number:

Course Length: One Year - 2 Credits

Grade Level: 11-12

Prerequisite: Publications 1 and 2

Students in this course must hold an editorial-in-chief position on staff in which they participate in all aspects of yearbook production including a summer workshop at Gustavus Adolphus College in St. Peter, MN in mid-July. Students in this course continue to develop advance skills in Yeartech Online Software and assume responsibility for the planning, designing, and editing of spreads. Students will lead the development and editing of all other school publications. Students assume responsibility for all production and business issues concerning the publication.



## **SUPPORT PROGRAMS**

Belle Plaine High School provides a number of programs in additions to its course offerings. Through these programs students are afforded the opportunity to participate in a school experience that best fits their individual needs.

### **TRANSITIONS**

Course Number: 6600                      1 Credit per Semester

A program designed to provide direct instruction and support services to those students who require a modified instructional program because of a verified learning disability.

### **TEACHER AIDE**

Course Number: 6500                      1 Credit per Semester

Students work to assist a teacher with bulletin boards and other teaching duties. Students will be able to earn two credits towards graduation.

### **MATH TUTOR**

Senior High Students who excel in Math or are in Adv. Math or Calculus may earn a credit as a tutor helping other students with math.

### **LCD**

Learning Career Development Lab (LCD) is designed to meet the individual needs of learners. Students utilizing the LCD lab can complete academic credit make-up, enroll in an approved independent study course, or receive study skills help. Students participating in the LCD lab need to discuss their learning options with school counselor or LCD teacher prior to enrollment.

### **ENGLISH AS A SECOND LANGUAGE (ESL)**

#### **ESL RESOURCE ROOM**

Course Number: 6625                      1 Credit per Semester

This class offers a small-group setting for support of mainstream classes. The E.S.L. Resource Room offers additional language and cultural support for the English language learner.

#### **INGLES COMO LENGUA SEGUNDA (ESL)**

Este program es disponible a los estudiantes en el distrito que no son personas que hablan ingles por su lengua nativa.

Los horarios son coordinados a proveer instrucciones en ingles y ayuda con las clases.

Hable con el director de la escuela para mas informacion.

## AREA LEARNING CENTER

Belle Plaine High School has a cooperative agreement with the Area Learning Center in Chaska. The Center provides programs for pregnant students, drop-outs who need basic education, and non-high school graduates who need only a few more credits to qualify for a high school diploma. A brochure describing the services of the Area Learning Center is available from the counseling department.

### LEARNER ELIGIBILITY FOR STATE DESIGNATED AREA LEARNING CENTERS AND ALTERNATIVE PROGRAMS

The primary purpose of this publication is to list the High School Graduation Incentives (HSGI) Program eligibility criteria and eligibility criteria most commonly used for district referral. Statute language which is underlined was not underlined in the Statute, but is being done in this publication to add emphasis to important points.

M.S. 126.22, Subd.1 (High School Graduation Incentives Program - Purpose). The legislature finds that it is critical for persons to obtain at least a high school education to function in today's society. Therefore, the purpose of this section is to provide incentives for and encourage all Minnesota students who have experienced or are experiencing difficulty in the traditional education system to enroll in alternative programs in order to complete their high school education.

Subd. 2 (Eligible Pupils). The following pupils are eligible to participate in the high school graduation incentives program:

Any pupil who is between the ages of 12 and 21, or who is an elementary pupil, and in either case, who:

- 1) is at least two grade levels below the performance level for pupils of the same age in a locally determined achievement test; or
- 2) is at least one year behind in satisfactorily completing coursework or obtaining credits for graduation; or
- 3) is pregnant or is a parent; or
- 4) has been assessed as chemically dependent; or
- 5) has been excluded or expelled according to sections 127.26 to 127.39; or
- 6) has been referred by a school district\* for enrollment in an eligible program or a program pursuant to section 126.23; or
- 7) is a victim of physical or sexual abuse; or
- 8) has experienced mental health problems; or
- 9) has experienced homelessness sometime within six months before requesting transfer to an eligible program; or
- 10) speaks English as a second language or has limited English proficiency.

**2012-2013**  
**Career and Technical**  
**Course Offerings at the**  
**Carver-Scott Educational Cooperative**

A+ Certification Preparation  
Automotive Technology  
Cisco Networking  
Construction Technology  
Cosmetology  
Criminal Justice  
Graphic Design and Print  
Photography

NEW!! Introduction to Engineering Design (IED) – PLTW  
NEW!! Medical Careers and Certifications

**A+ CERTIFICATION PREPARATION**

1st Semester/2nd Semester  
Elective – 11, 12 grade

The A+ certification exam was designed by computing industry experts to certify service technicians in computer hardware and software repair. The course provides students with the knowledge of configuring, installing, diagnosing, repairing, upgrading, and maintaining microcomputers. Students will spend a significant amount of classroom time conducting hands-on lab work on school computers or on their own computers from home. This course was designed for students who are interested in a career in the information technology field.

\* Upon completion of the course, students will have the option of paying a fee to take the A+ certification exam to become a certified technician.

**SEMESTER 1**

Introduction to PC Hardware  
Introduction to Operating Systems  
Computer Math  
PC Repair Fundamentals  
Form Factors and Power Supplies  
Processors and Chipsets  
Motherboards  
Memory  
Hard Drives  
I/O Devices

**SEMESTER 2**

Installing and Troubleshooting:  
-Windows 9X  
-Windows 2000  
-Windows XP  
-Windows Vista  
Notebook and Tablet PC's  
Supporting Printers  
PC's on Networks and the Internet  
Securing your PC and LAN  
The Professional PC Technician

Students successfully completing this program may be eligible to receive 7 college credits at Dunwoody College of Technology. These credits will transfer into the Associates of Applied Science Degree in Computer Networking. This program will be offered at Dunwoody College of Technology's Southwest Metro Campus in Chaska.

## AUTOMOTIVE TECHNOLOGY

Elective – 11, 12 grade

Lab Fee: There is a \$20 lab fee/semester

The automotive technology program teaches students the necessary skills and knowledge to work on today's vehicles. This course is designed to prepare students for an automotive future either as an automotive technician or as an automotive consumer. Students will spend 60 percent of their time working with industry standard equipment in the lab. Our curriculum meets NATEF standards and also helps reinforce core subjects through hands-on projects. This two year program is divided into four independent semesters to allow students to take individual semesters if they are unable to attend the entire program. A driver's license is not required. Students can enroll any semester

### Automotive Technology Curriculum

The duration of the course is two years. Semesters one and two will be covered in odd numbered school years, 2011/2012 for example. Semesters three and four will be covered on even numbered school years, 2012/2013 for example.

#### SEMESTER 1 (30)

- Auto shop safety
- Trade knowledge
- Brakes
- Introduction to engine performance

#### SEMESTER 3 (32)

- Auto shop safety
- Steering systems
- Suspension systems
- Wheel alignment
- Introduction to electrical systems and electronics

#### SEMESTER 2 (31)

- Auto shop safety
- Engine performance
- Fuel injection
- Ignition systems
- Emission systems

#### SEMESTER 4 (33)

- Auto shop safety
- Electrical systems and electronics
- Automotive batteries
- Starting systems
- Charging systems

#### Projects:

In addition to the course work, students will apply their new skills toward the production of a four cylinder enduro class race car. The completed race car will compete at Raceway Park in Shakopee on Memorial Day.

#### Post-Secondary Accreditation

Students may be eligible to receive post-secondary credits for career and technical courses completed

Students successfully completing this program may be eligible to receive 7 college credits at Dunwoody College of Technology. These credits will transfer into the Associates of Applied Science Degree in Automotive Technician program.

## **CISCO NETWORK ACADEMY COURSES**

As today's Internetworks grow and expand to support multiple sites, protocols, and operating systems, the interconnecting devices are the critical elements along the data path. Understanding these devices and how to configure them and integrate them into efficient, reliable network designs is essential to anyone supporting network communications. Networking technicians study design, install and maintain the systems which allow computers to talk to each other.

The Cisco Networking Academy Program is a comprehensive e-learning program that provides students with the Internet technology skills essential in a global economy. The Networking Academy delivers web-based content, online assessment, student performance tracking, hands-on labs, instructor training and support, and preparation for industry standard certifications. The six courses offered over six sequential quarters will lead students to an opportunity to take a certification test for CCNA.

### **CISCO NETWORK ACADEMY 1**

As today's Internetworks grow and expand to support multiple sites, protocols, and operating systems, the interconnecting devices are the critical elements along the data path. Understanding these devices and how to configure them and integrate them into efficient, reliable network designs is essential to anyone supporting network communications. Networking technicians study design, install and maintain the systems which allow computers to talk to each other.

The Cisco Networking Academy Program is a comprehensive e-learning program that provides students with the Internet technology skills essential in a global economy. The Networking Academy delivers web-based content, online assessment, student performance tracking, hands-on labs, instructor training and support, and preparation for industry standard certifications. The six courses offered over six sequential quarters will lead students to an opportunity to take a certification test for CCNA.

### **CISCO NETWORK ACADEMY 1**

1st Semester

Elective: Grades 11, 12

**THERE ARE NO PREREQUISITES FOR THIS COURSE.**

Students taking Network Academy I will learn about the OSI model, networking components, premise wiring, industry standards, topologies and network design. Project learning will include designing networks and installation of network premise cable. Students must maintain a 76% on their Cisco Academy Exams to continue in the course.

### **CISCO NETWORK ACADEMY II**

2nd Semester - Prerequisite: Network Academy I

Course content will include hand on labs for router and switching configurations and network management. Students will have skills necessary to enter internships in the data communication sector after completion of Network Academy II.

2nd Year Program

### **CISCO NETWORK ACADEMY III**

3rd semester - Prerequisite: Network Academy II

The course focus will emphasize advanced router and switching configurations, advanced network management, advanced network design, and application in real world situations. Course content will focus on Wide Area Networks including Frame Relay, ISDN, DSL and other wide area network technologies. Students will also have the opportunity to explore career options through apprenticeships, internships, etc.



## **CONSTRUCTION TECHNOLOGY**

Elective – 11, 12 grade

There are no pre-requisites for this class.

This class is designed to develop and upgrade the skills and competencies required in the construction trades. The course covers the most current tools and equipment, materials, and trade practices within the construction industry. Student will develop basic home building skills while working on a single family home throughout the four quarters, located on the CSEC campus. Students must furnish basic hand tools

Topics

### **SEMESTER 1**

10 hour OSHA Safety Certification

Hand & Power Tools

Building Site Preparation

Foundations

Fasteners

Measuring

Floor System

Blueprint Reading

Exterior Wall Framing

Interior Wall Framing

Rafters/Trusses/Roof Systems

Nailing patterns

Assist in installation of electrical, plumbing, heating, air conditioning

### **SEMESTER 2**

Safety

Insulation-Vapor Barriers

Ventilation

Dry wall Applications & Finishing

Siding

Fascia & Cornice

Door/Window Installation

Roofing

Blue Print Reading

Floor Finishing

Staining/Painting

Hanging Cabinets & Interior Doors

Interior Trim

Building Permits & Codes

House Moving Theory

Post-Secondary Accreditation

Students may be eligible to receive post-secondary credits for career and technical courses completed

## **COSMETOLOGY PROGRAM**

Prerequisite: None

Lab Fee: \$80 (Lab fee includes equipment kit and product supplies)

Our mission is to provide students with the opportunity to discover the Cosmetology industry through learning, leadership, marketing, and artistic skills. We offer students the opportunity to explore and practice the art and science of beauty care. The course consists of all aspects of this industry including, Minnesota State Laws and Rules, professional development, design decision in hairstyling, chemical texturizing, hair coloring, salon environment, nail care, skin care, waxing, retailing and salon business.

This program is offered in a licensed Cosmetology School setting, thus giving the student both the training and hands on aspects of the profession. Electing this program will allow students to explore diversified career possibilities as well as earn hours that are transferable to post-secondary Cosmetology schools.

Topics:

### 1 Semester

Intro to MN State Laws & Rules  
Safety & Infection Control  
Introduction to Hair  
Introduction to Hair Styling  
Introduction to Hair Extensions  
Introduction to Hair Design  
Haircutting  
Hair Styling  
Practical Application

### 2nd Semester

MN Laws and Rules  
Introduction to Manicuring  
Natural & Artificial Nails  
Introduction to Pedicuring  
Introduction to Massage  
Introduction to Skin Care  
Waxing  
Facials  
Make-Up  
Practical Application

## **COSMETOLOGY II**

Prerequisite: Cosmetology I

Lab Fee: \$80 (Lab fee includes equipment kit, product supplies and two mannequin heads)

The second year program will focus on:

### 1st Semester

Review – Basic Haircutting  
Review – Laws and Rules  
Short/clipper Haircutting  
Practical Application  
Long haircutting  
Hairstyling/finger waves/pin curls  
Intro to hair relaxing  
Practical Application

### 2nd Semester

Intro to Perming  
Theory and Technique  
Review – Laws and Rules  
Practical Application  
Intro to hair color/foiling  
Review – Laws and Rules  
Salon Business/Management  
Practical Application

### Post-Secondary Accreditation

Students may be eligible to receive post-secondary credits for career and technical courses completed

## **CRIMINAL JUSTICE**

Elective – 11, 12 grade

There are no pre-requisites for this class.

The security needs of today's world have created a new career demand. Preparation of the various professionals dealing with these concerns will be the subjects addressed in the Criminal Justice Program. The program is designed for students interested in becoming police officers, federal agents, probation/parole officers, lawyers/judges, juvenile justice workers, and crime scene investigators. The institutions of police, courts, and corrections will be studied as to how they protect people and their rights, apprehend law violators, prevent crime and provide social services. Students will have the chance to become CPR/First-Aid Certified. Writing and critical thinking skills will be developed throughout the course by class discussion, student presentations and small group activities. Related college programs are available at two and four year state colleges. The course is a two-year program with a different class offered each semester. Students applying for and meeting PSEO eligibility could earn 3 credits per semester from Normandale Community College.

Crime Scene Investigation, communications, physical fitness and criminal justice ethics will be a part of each semester's study plan.

### 1str Semester: Police and Society (Fall '12)

- Origins of U.S. Policing
- Police Discretion
- Contemporary Policing
- Community Policing
- Police and Crime Fighting
- Calls for Police Services
- Social Organization of Arrest
- Use of Force
- Police Shootings
- Use of Deadly Force
- Police Attitudes and Behaviors
- Racial Profiling
- Police and Domestic Violence
- Special Police Units
- Police Conduct and Ethics
- Terrorism and Law Enforcement

### 2nd Semester: Intro. to Corrections (Spring '13)

- Origins of Corrections
- Philosophy of Corrections and Changes
- Social Interventions and Juvenile Diversions
- Understanding Recidivism
- Jails and Prisons
- Probation and Parole Law
- Community Corrections
- Boot Camps
- Discretion; Judges, Lawyers, Parole Boards
- Plea Bargaining
- Drug Courts
- Juvenile Courts
- The War on Drugs and Prison
- Minorities and Incarceration
- Life Sentences
- The Death Penalty
- Three Strikes and You're Out Policies
- Mandatory Minimum Sentences/Truth in Sentencing Policies
- Treatment vs. Punishment
- Restorative Justice Model
- Chemical Dependency and the Law

Crime Scene Investigation, communications, physical fitness and criminal justice ethics will be a part of each semester's study plan

## CRIMINAL JUSTICE - CONT.

### 1st Semester: Introduction to Criminal Justice (Fall '13)

- Evolution of Law Enforcement and Criminal Justice
- Three Eras of Policing
- Crime and Social Control
- Discretion in the CJ System
- Bill of Rights
- Criminal Law
- Crime Trends and Crime Mythology
- Crime and the News
- Crime in the U.S.
- Official Sources of Crime Data
- Contemporary Policing
- Community Policing
- Types of Patrol
- Gangs and Drugs
- Police Conduct
- Recruitment Process and MN Post Requirements
- Minorities and CJ System
- Law Enforcement and CJ System (Courts and Corrections)
- Courts (Overview)
- Corrections (Overview)
- Trials
- Sentencing
- Death Penalty
- Corrections (Overview)

### 2nd Semester: Juvenile Justice (JJ) and Delinquency (Spring '14)

- Society's Changing View/Status of Children
- Discretion and the JJ System
- Juvenile Crime Trends
- Status Offenses
- Delinquency and Youth Crime
- Measuring Delinquency
- Violent Youth Crime
- Illegal Drug Use and Delinquency
- Theories of Juvenile Crime and Delinquency
- Family and Delinquency
- Schools and Delinquency
- Gender and Delinquency
- Gang Delinquency
- Police and Delinquency
- Juvenile Court
- Juvenile Corrections
- A review of significant cases in JJ will be a primary focus of this semester

Crime Scene Investigation, communications, physical fitness and criminal justice ethics will be a part of each semester's study plan.

Carver Scott Education Cooperative School offers Concurrent Enrollment courses through Normandale Community College. Through the Concurrent Enrollment partnership, qualified students can earn free college credit prior to high school graduation. The concurrent enrollment program offers college courses to high school students:

- Taught by high school teachers with similar credentials to college faculty
- In the high school
- During the regular school day

Qualified students are:

Juniors in the top 70% of their class

Seniors in the top 50% of their class

We offer the Accuplacer test on campus of students attend a school that do not issue class rank. Student may take the Accuplacer test at Normandale for their scores to be evaluated for eligibility.

## **GRAPHIC DESIGN AND PRINTING**

The Graphic Communications Program at the Carver-Scott Educational Cooperative is a unique blend of hands-on learning, individual and group instruction. The focus is placed on printing and design, instead of art, but it is a way for students to take art to another level. Many projects are completed in this hands-on class, including notepads, business cards, greeting cards, posters, etc. Macintosh computers are used extensively in the course and you will also learn how to operate all of the equipment necessary to produce printed pieces of their own design.

Printing is the fourth largest industry in the nation. Students entering into the Graphic Communications class will be exposed to all aspects of the graphics industry and would be employable in any design or printshop, large or small, upon completion of the course. Credits from this class are transferable to a number of post-secondary colleges.

### **Graphic Communications I**

There is no lab fee for this course

#### 1st Semester

Theory of design

Color theory

Typography

Adobe InDesign

Adobe Illustrator

Safety

Introduction to offset press

#### 2nd Semester

Safety

Graphic Measuring

Adobe Photoshop

Professional portfolio

Advanced Printing

Screen Printing

### **Graphic Designing and Printing II**

Pre-requisite: Graphic Communications I maintaining a B or above average.

The second year program expands on skills learned in the first year course and adds skills in advertising design, production and multi-media. Students will have the ability to customize their own curriculum each quarter, to their own personal interest. In addition, students will construct a professional portfolio of their work and may participate in job shadows and/or internships at local printing companies. Credits from this class are transferable to a number of post-secondary colleges.

#### Post Secondary Accreditation

Students may be eligible to receive college credit for completed professional/technical programs.

## **PHOTOGRAPHY PROGRAM**

Elective: Grades 11, 12

Each level of photography is a semester in length and offered each semester.

Course Fee: \$40/Semester; \$25/Trimester

Students are also encouraged to provide their own camera.

The Photography Program covers nearly every aspect of photographic skills one would need to pursue photography as a life long hobby or career. These courses which are taught by practicing professionals and teach everything from nature, landscape, photo-journalism, commercial to wedding and portrait photography. This course utilizes both historical and current photographic processes, everything from film to digital, simple point and shoot cameras to the tools real professionals use, and small to large format cameras. Adobe Photoshop is used for photo editing is taught with all of the digital projects. The labs consist of a Mac computer lab, a full portrait studio, commercial product station, two darkrooms, and a film development station.

1st Semester - Photo 1 Prerequisite: None

Photo 1 is an introductory course that begins with the basics of how to take better pictures. You will actually start this course by constructing your very own working camera. Students will later move on to how to manually control a camera and achieve the photographs you want to be able to take. Through this course students will use several different types of cameras, both digital and film. You will use a traditional black and white darkroom and Adobe Photoshop in our Mac Lab. Students will also get to use our professional portrait studio! This is a fun fast paced course with lots of unique projects.

2nd Semester - Photo 2 Prerequisite: Photo 1

Photo 2 is all about the creative process and how to communicate with still images. Students will be allowed to really explore their own ideas through the projects in this course. In addition there will be a great deal of emphasis on professional skills and what it takes to survive in the competitive marketplace.

Second Year - Advanced Photography Prerequisite: Photo 1 and 2

Advanced photography students will create a professional portfolio and work on longer term independent projects in pursuit of a personal style. Job shadow experiences with real working professionals will also be available.

\*Each level of photography will include a short research paper or project.

## **INTRODUCTION TO ENGINEERING DESIGN (IED)**

Prerequisites: None

Fees: \$25 lab fee

2 Semesters

Required materials: Two-inch 3 ring binder, pencil, notebook, jump drive (more than 520 mb)

Drawing and 3D computer design modeling of objects using Autodesk Inventor 11 software. Students design 2 projects of their choosing. This is an introductory course which develops engineering design problem-solving skills. Students focus on the application and visualization process of a product and how a model of that product is produced using a CAD system. This Engineering Design class is recommended as the first "Project Lead The Way" class in the sequence of pre-engineering courses.

**NEW!!!**

**INTRODUCTION TO ENGINEERING DESIGN (IED)**

Prerequisites: None

Fees: \$25 lab fee

2 Semesters

Required materials: Two-inch 3 ring binder, pencil, notebook, jump drive (more than 520 mb)

Drawing and 3D computer design modeling of objects using Autodesk Inventor 11 software. Students design 2 projects of their choosing. This is an introductory course which develops engineering design problem-solving skills. Students focus on the application and visualization process of a product and how a model of that product is produced using a CAD system. This Engineering Design class is recommended as the first “Project Lead The Way” class in the sequence of pre-engineering courses.

**HEALTH CARE CAREERS PROGRAM**

This course will provide information about the different types of health care career opportunities. The class will encompass guest lectures, tours of health care facilities, and job shadow opportunities.

Get a first-hand look at the skills and competencies needed to work in the various allied health professional fields. This course will focus on the skills required of anyone working in a health care setting such as communication skills, legal issues, client and staff diversity, ethics, safety and standard precautions, human body systems, infection control, phlebotomy, medical terminology, and health occupations mathematics.

Articulation Agreements and Certifications:

First-aid and CPR certification will be obtained during the course of the program with paid fee.

Articulation agreements with Normandale Community College to include: Behaviors for Success in Health care Settings, Health care Safety and Standard Precautions, Legal Issues in Health care, and First-aid/CPR.

Articulated classes can also be obtained through on-line courses with the exception of the First-aid and CPR certification portion.



















