

Celina High School



Course Selection Guide

2010 - 2011

*Celina High School
Designated an EXCELLENT High School
by the Ohio Department of Education since 2002*

**Celina High School
Course Selection Guide
2010 – 2011**

Graduation and Registration Requirements	2
Trimester Bell Schedule	6
Scheduling Worksheet	7
Art	8
Business and Computer Technology	10
English	11
Family and Consumer Science	15
Foreign Languages	16
Health and Physical Education	18
Industrial Technology	19
Mathematics	20
Music	23
Science	25
Social Studies	29
Educational Options	31

* For an electronic version of registration materials, please visit our website at:
<http://chstrimester.celinaschools.org/>

Celina High School

Registration Information & Course Description

2010 – 2011 School Year

Dear Students & Parents –

The 2010 – 2011 school year is right around the corner! This will be the 1st school year for Celina High School on the new Trimester schedule. This schedule will afford students the opportunity to take more courses while in high school while actually having fewer classes at any given time. The school year will be broken into three 12-week trimesters. During each trimester, students will take a total of five (5) classes. All classes are worth ½ credit – traditional year long courses will be split into two separate trimesters. Each of the five classes each day will last 65 minutes (a 30-minute lunch will be during 4th period). A 30-minute Advisory Period will be held each day during which a number of things will take place, including study time, activity meetings, announcements, assemblies, and other various activities. For more information on the Trimester, please visit our website (<http://chstrimester.celinaschools.org>), attend a session listed below, or call the high school office. Please review the material and information in this book and feel free to seek assistance as needed during the registration process. Good Luck during the registration process!

REGISTRATION REQUIREMENTS and INFORMATION

All students must register for 15 units per year. Students will be asked to choose alternative selections at registration. Every effort is made to accommodate individual course requests, but alternatives will be scheduled when necessary. Students and parents are encouraged to read through the enclosed information and course descriptions and to attend one of the open scheduling nights or informational meetings listed below.



HIGH SCHOOL 101: An Orientation for Parents of 8th Graders

Parents of incoming freshmen are encouraged to attend “High School 101: An Orientation for Parents” on Monday, February 8th, 2010 from 6:00 – 8:00 PM in the high school lecture hall. Administrators, counselors, and teachers will provide information about graduation and college entrance requirements, course information, and a tour of the facilities. An activity fair will take place from 8:00 – 8:30 PM in the gymnasium and will provide information about extracurricular opportunities to CHS students.



Parent Registration Meeting

A parent meeting for students in grades 9 – 11 will be held Monday, February 8th at 7:00 PM in the lecture hall. This is a session for veteran high school parents with students currently in grades 9 – 11. Counselors will review graduation and college entrance requirements and will outline course selections for each grade level. Parents will have an opportunity to ask individual questions.



Open Registration Nights

Parents are invited to attend **Open Registration Nights** in the Lecture Hall on the following dates:

Thursday, February 11th 6:30 – 8:30 PM

Tuesday, February 16th 5:30 – 7:30 PM

Counselors will be available to answer questions and assist in the registration process.

SCHEDULING & SCHEDULE CHANGE POLICY

Students, with the careful input of parents, need to select courses based upon: graduation requirements, future educational goals, academic aptitude, and individual interest. Once requests are received, every effort will be made to accommodate student requests. Staffing and textbook purchases are based upon student requests. Therefore, schedules are NOT able to be changed after final schedules have been assigned.

SIGNATURES

1. Students must obtain a content area teacher’s signature for approval of each course selected.
2. Parent signature is *required* on the registration form to complete the registration process.

STUDENT & PARENT SCHEDULING RESPONSIBILITY

1. Students must take a minimum of 5 classes per trimester.
2. The final responsibility for a student's academic planning toward graduation (and future academic goals) lies with the student and his/her parents or guardians. Counseling and advice are available, however the individual student must be aware of his/her program objectives and needs.
3. All CHS students are assigned a guidance counselor. The following are counselor assignments:

Mrs. Gabes: Students with last names A-L, Celina Alternative Center Students

Mrs. Carmean: Students with last names M-Z, Post-Secondary Option Students

Students may stop in the guidance office to schedule an appointment with the guidance counselors.

Parents may contact a counselor via email:

Mrs. Gabes: wendy.gabes@celinaschools.org

Mrs. Carmean: lynne.carmean@celinaschools.org

Parents may also call the guidance office during regular school hours. The guidance office number is: 419-586-8300 ext. 1513.

ATHLETIC & EXTRACURRICULAR ELIGIBILITY

Satisfactory academic achievement should be a condition for eligibility to participate in extracurricular activities. Therefore, the CHS policy for eligibility states that students must meet the following requirements:

1. No more than one (1) failing grade in the previous grading period.
2. No less than a 1.5 GPA on a 4.0 grading scale in the previous grading period.
3. Must receive a passing grade in a minimum of four courses or the equivalent, which count toward graduation.
4. Comply with all other requirements as set forth by the Ohio High School Athletic Association. Students should not request schedule changes (i.e. drop a course) without first consulting the principal, athletic director, or guidance counselor to determine whether it will affect eligibility.

ADVANCED PLACEMENT COURSES

Advanced Placement courses are offered in Calculus, Biology, Chemistry, English, American Government, and Art Appreciation & History. These courses follow the prescribed curriculum of the Advanced Placement Program. An AP exam is offered at the end of the school year – college credits may be awarded based upon the score earned on the AP examination. Final grades received in these courses are weighted and receive more point value than regular classes. Students must make application to the AP instructor before registration and may be requested to attend a personal interview before selection.

FRESHMEN ORIENTATION

All incoming freshmen should plan to attend the Freshmen Orientation & Registration Day to be held on Tuesday, August 24th, 2010 from 8:00 AM – 2:00 PM. Students will be given a tour of the building, meet their teachers, and get valuable tips on making the transition to high school from staff and students. Breakfast and lunch will be provided and the day will end with a freshmen only Pep Assembly. More information will be mailed to students during the summer.

MINIMUM GRADUATION REQUIREMENTS: Graduating Classes of 2011, 2012, & 2013

Curriculum Requirements		Minimum Units for Graduation
Computer Literacy		½ unit
English Language Arts		4 units
Health	Credit is granted to those students who have successfully completed middle school Health	½ unit
Mathematics		3 units
Physical Education	¼ credit will be granted to those students who have successfully completed middle school Physical Education requirements, the other ¼ credit should be taken during the 9 th or 10 th grade year	½ unit
Science	Must include 1 unit of biological sciences and 1 unit of physical sciences	3 units
Social Studies	Must include 2 units of American History and ½ unit of American Government	3 units
Electives	1 unit or 2 half units must include: Business, Technology, Fine Arts, or Foreign Language	7 units

A total of **21 ½ credits** will be required for a diploma of graduation. Students must pass all 5 sections of the Ohio Graduation Test (OGT).

MINIMUM GRADUATION REQUIREMENTS: Graduating Class of 2014

Curriculum Requirements		Minimum Units for Graduation
Computer Literacy		½ unit
English Language Arts		4 units
Health	Credit is granted to those students who have successfully completed middle school Health	½ unit
Mathematics	Must include 1 unit of Algebra II or the equivalent	4 units
Physical Education	¼ credit will be granted to those students who have successfully completed middle school Physical Education requirements, the other ¼ credit should be taken during the 9 th or 10 th grade year	½ unit
Science	Must include 1 unit of physical sciences, 1 unit of life sciences, and 1 unit advanced study in one or more of the following: chemistry, physics, advanced biology, or other earth and space science	3 units
Social Studies	Must include 2 units of American History and ½ unit of American Government	3 units
Electives	1 unit or 2 half units must include: Business, Technology, Fine Arts, or Foreign Language	7 units

A total of **21 ½ credits** will be required for a diploma of graduation. Students must pass all 5 sections of the Ohio Graduation Test (OGT).

MINIMUM COLLEGE PREPARATORY REQUIREMENTS

If a student plans to attend any of Ohio's public or private four-year colleges or universities, the following course work should be taken in high school. These courses are required for regular admission at most state post-secondary institutions. Students whose secondary school preparation does not meet these minimum standards may be admitted on a 'conditional' basis that will require doing remedial work before beginning classes on a degree-granting program. Also, secondary course requirements may vary from one institution to another. Minimum secondary requirements include:

- **4 credits** of English with emphasis on composition
- **3 credits** of Mathematics, at least one of which should be taken in the senior year (Algebra 1, Algebra 2 and Plane Geometry)
- **3 credits** of Social Studies
- **3 credits** of Laboratory Science
- **2 credits** of the same Foreign Language
- **1 credit** of the Fine Arts

HONORS DIPLOMA REQUIREMENTS

A student who completes the **college preparatory** curriculum in high school must meet at least seven of the following eight criteria to receive an honors diploma:

1. Earn four units of English.
2. Earn at least four units of Mathematics which shall include Algebra I, Algebra II, Geometry and another higher level course or a four-year sequence of courses which contains equivalent content.
3. Earn at least four units of Science including one unit of Physics and one unit of Chemistry
4. Earn four units of Social Studies.
5. Earn either three units of one Foreign Language or two units each of two Foreign Languages
6. Earn one unit of fine arts.
7. Maintain an overall high school grade point average (GPA) of at least 3.5 on a four-point scale up to the last grading period of the senior year.
8. Obtain a composite score of 27 on the American College Testing service's ACT assessment (excluding the optional writing test) or a combined score of 1210 on the College Board's SAT verbal and mathematics sections (excluding the required writing section).

CAREER-TECHNICAL HONORS DIPLOMA REQUIREMENTS

A student who completes an intensive **career-technical education** curriculum in the high school shall meet at least seven of the following eight criteria to receive an honors diploma:

1. Earn four units of English.
2. Earn at least four units of Mathematics which shall include Algebra I, Algebra II, Geometry and another higher level course or a four-year sequence of courses which contains equivalent content.
3. Earn at least four units of Science including one unit of Physics and one unit of Chemistry
4. Earn four units of Social Studies.
5. Earn four units in a career-technical education program that leads to an industry-recognized credential, results in an apprenticeship or is part of an articulated career pathway, which can lead to post secondary credit. If the student's program design does not provide for any of these outcomes, then the student must achieve the proficiency benchmark established for the applicable Ohio career-technical competency assessment or the equivalent.
6. Achieve the proficiency benchmark established for the Ohio Career-Technical Competency Assessment or equivalent assessment aligned with state-approved and industry validated technical standards.
7. Maintain an overall high school grade point average (GPA) of at least 3.5 on a four-point scale up to the last grading period of the senior year.
8. Obtain a composite score of 27 on the American College Testing service's ACT assessment (excluding the optional writing test) or a combined score of 1210 on the College Board's SAT verbal and mathematics sections (excluding the required writing section)

CHS Trimester Bell Schedule

1st 7:25 – 8:30

2nd 8:35 – 9:40

3rd 9:45 – 10:50

4th A 10:55 – 11:25

B 11:30 – 12:00

C 12:05 – 12:35

Advisory 12:40 – 1:10

5th 1:15 – 2:20

Celina High School

Designated an EXCELLENT High School by the Ohio Department of Education since 2002



TRIMESTER WORKSHEET

TRIMESTER 1

TRIMESTER 2

TRIMESTER 3

PERIOD
1

PERIOD
2

PERIOD
3

PERIOD
4

PERIOD
5

Drawing 1 (ART500)**Prerequisite:** None

The primary focus of this course is to learn drawing techniques! Students will complete projects involving various drawing materials and subjects. Areas explored will be graphite values, portrait, figure, ink, sequence, patriotism, charcoal, contrasto, fresco, scratchboard, reassemble, and free choice. Computer image manipulation with Adobe Photoshop will be introduced.

Course Fee: \$60.00**Grade:** 9, 10, 11, 12**Credit:** 1/2 credit**Length:** 1 Trimester**Special Notes:** Student will receive a full painting kit.**Drawing 2 (ART501)****Prerequisite:** Drawing 1

In this course, students will further develop drawing skills by completing larger and more complex projects. Areas of exploration will include distortion, portraits, patriotism, scratchboard, mosaic, foam core, and self portrait -- all including some computer image manipulation with Adobe photoshop.

Course Fee: \$65.00**Grade:** 10, 11, 12**Credit:** 1/2 credit**Length:** 1 Trimester**Special Notes:** Student will receive a complete drawing kit.**Drawing 3 (ART502)****Prerequisite:** Drawing 2

Students interested in this course will explore various drawing themes and formats in depth. Areas of interest will be themes, large formats, linoleum prints, foreshortening, altered art, and portraits. Adobe photoshop image editing will be a major part of composing drawing ideas.

Course Fee: \$70.00**Grade:** 11 & 12**Credit:** 1/2 credit**Length:** 1 Trimester**Special Notes:** Complete drawing kit and drawing board will be received.**Computer Graphics 1 (ART503)****Prerequisite:** None

In this course, students will learn to draw and design basic images on the computer using Corel Draw 12.0. By completing worksheets and computer lessons, students will work at their own pace at their computer to develop the skills needed to complete digital designs. Grades are earned by work completed within a particular time frame. Students will also design an art show poster and complete three free choice drawings.

Course Fee: \$40.00**Grade:** 9, 10, 11, 12**Credit:** 1/2 credit**Length:** 1 Trimester**Special Notes:****Computer Graphics 2 (ART504)****Prerequisite:** Computer Graphics 1

In this course, students will learn to draw and design advanced images on the computer using Corel Draw 12.0. Students will complete worksheets and computer lessons, working at their own pace at their computer to develop the skills needed to complete complex digital designs. Grades are earned by work completed within a particular time frame.

Course Fee: \$40.00**Grade:** 10, 11, 12**Credit:** 1/2 credit**Length:** 1 Trimester**Special Notes:****Ceramics and Sculpture (ART506)****Prerequisite:** None

In this course, students will develop skills in working with clay and other sculpting materials. Ceramic hand-building methods, glazing, firing, and throwing clay on the potter's wheel will be explored. Assignments include creating bowls, mugs, vases, pitchers, masks, and small sculptures.

Course Fee: \$45.00**Grade:** 11, 12**Credit:** 1/2 credit**Length:** 1 Trimester**Special Notes:****Advanced Ceramics and Sculpture (ART507)****Prerequisite:** Ceramics

This class will further develop the student's skills in ceramics and sculpture. Advanced techniques in hand-building, wheel throwing, and sculpture will be explored. Participation in a Raku reduction firing process will be included.

Course Fee: \$45.00**Grade:** 11 & 12**Credit:** 1/2 credit**Length:** 1 Trimester**Special Notes:** B average in Ceramics with Instructor Approval required to take this course**Handcrafted Jewelry (ART508)****Prerequisite:** None

Students in this course will learn the basic techniques and design elements of jewelry making. Followed by a unit in design, students will learn how to design and produce jewelry from wood, plastic, clay, wire, copper, and silver.

Course Fee: \$60.00**Grade:** 9, 10, 11, 12**Credit:** 1/2 credit**Length:** 1 Trimester**Special Notes:****Acrylic Painting 1 (ART509)****Prerequisite:** Instructor approval

This course offers the opportunity for students to learn how to paint and to become familiar with art history. Students will complete approximately 8 painting assignments on canvas that are coordinated with styles and artists from art history. Acrylic painting techniques are combined with the styles of monochromatic, pop art, impressionism, expressionism, abstraction, genre, and free choice.

Course Fee: \$70.00**Grade:** 11 & 12**Credit:** 1/2 credit**Length:** 1 Trimester**Special Notes:** Student will receive a full painting kit**Acrylic Painting 2 (ART510)****Prerequisite:** Acrylic Painting 1

In this course, students will have the opportunity to continue to develop their painting skills. Students will complete 6 larger and more complex paintings on stretched canvas. Subjects include portrait, collage, palette knife technique, mixed media, and some free choice.

Course Fee: \$70.00**Grade:** 12**Credit:** 1/2 credit**Length:** 1 Trimester**Special Notes:** Student will receive a full painting kit

Traditional and Digital Photography (ART511)

Prerequisite: None

Students in this course will learn how to use both a film and digital camera. The basic darkroom procedures of developing and enlarging black and white film and prints will be discussed, as well as shooting digital images and photo editing on a computer. A variety of techniques used in the creation, development, and composition of photography will be included.

Course Fee: \$55.00

Grade: 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: Student must provide both a 35mm film camera and a digital camera for this course.

Adobe Photoshop (ART513)

Prerequisite: None

Put yourself on a magazine cover, in your favorite band, in an ad, on a CD cover, or on a movie poster when you learn photoshop! Students will learn how to edit images to create their own compositions on the computer. Students will complete several projects that will teach them how to manipulate images using Adobe Photoshop. Some areas that will be covered include basic photo correction, masking, retouching, layers, filters, text, vector imaging, resolution, and printing techniques. Projects will include posterizing, creating images with layers, grayscale, colorizing, using transparencies, and more.

Course Fee: \$45.00

Grade: 9, 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Art Design Techniques (ART514)

Prerequisite: None

This course will teach the basic art design fundamentals through a wide range of studio projects. The students will be introduced to both 2 and 3-dimensional media and art techniques. Projects may include drawing, painting, papier mache masks, batiks, linoleum block prints, plaster sculptures, silk-screening, photography, ceramic bells, and more!

Course Fee: \$45.00

Grade: 9, 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

AP Art History and Appreciation A (ART591)

Prerequisite: 3.0 GPA and Instructor approval

In this course, students will study the history of art from prehistoric through the Renaissance period. Coursework will include in-class participation, quizzes, tests, writing assignments, viewing artwork in video format, and projects relative to art history. No studio art background is required.

Course Fee: \$20.00

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

AP Art History and Appreciation B (ART592)

Prerequisite: AP Art History and Appreciation A

This is the 2nd half of the AP Art course and will include a study of the history of art from the Renaissance through the Modern period.

Course Fee: \$50

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: Fee will cover the cost of the AP exam.

Independent Study in Art (ART599)

Prerequisite: Instructor approval

This course provides an opportunity for advanced art students to do extra artwork in specialized areas. Students will select an area of study and plan with the instructor various art projects to earn credit.

Course Fee: \$45.00

Grade: 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: Offered 1st and 2nd trimester only.

BUSINESS & COMPUTER TECHNOLOGY

Computer Applications I (BUS601)

Prerequisite: None

This course allows the student to work with popular business software and offers the opportunity to be introduced to basic keyboarding skills. Students will also learn to format basic documents. Students with proficient keyboarding skills will start as beginners and work their way into the intermediate skill levels. Software used will include Microsoft Word, Excel, Access, and PowerPoint.

Course Fee: \$10.00

Grade: 9, 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: A keyboarding proficiency level must be met before a student advances to the software.

Computer Applications II (BUS602)

Prerequisite: C- or above in Computer Literacy I

This course concentrates on the INTERMEDIATE levels of the software used in Computer Literacy I. Students are encouraged to use their skills in other course work and for projects for other teachers.

Course Fee: \$10.00

Grade: 9, 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Computer Applications III (BUS603)

Prerequisite: C- or above in Computer Literacy II

This course concentrates on the ADVANCED levels of the software used in Computer Literacy II. The students will continue to investigate any previously studied software and any new software. Students will also be encouraged to use their skills in other course work.

Course Fee: \$10.00

Grade: 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

General Business A: Business Basics (BUS605)

Prerequisite: None

This course introduces principles of economics and how economic decisions affect individual consumers, businesses, countries, and international competition. It also describes various forms of business ownership and organization. Students will discuss budgeting and bank services commonly used by consumers.

Course Fee: \$36.50

Grade: 9 & 10

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: The student will complete a practice set covering family financial management. Calculator required.

General Business B: Business Finance (BUS606)

Prerequisite: None

This course introduces the roles of human resources in businesses and ways to build a positive work environment. It will describe career opportunities in business and how to apply for a job. Students will learn about personal business skills including consumer buying, money management, banking, consumer credit, saving and investing, and insurance.

Course Fee: \$36.50

Grade: 9 & 10

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: The student will complete a practice set covering personal financial management. Calculator required.

Accounting A (BUS607)

Prerequisite: None

This course is intended to provide general information concerning terms, procedures, and forms in the accounting field. Students will complete the accounting cycle for a proprietorship including journalizing and posting transactions, preparing payroll and financial statements, and end-of-fiscal period work. This course is important for any student considering a business major in college.

Course Fee: \$43.25

Grade: 10,11,12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: Working papers and practice set must be purchased. Workbook will be used for Accounting 1A and 1B. Calculator and straight edge are required.

Accounting B (BUS608)

Prerequisite: Accounting A

In this course, students build upon the skills learned in Accounting A by completing the accounting cycle for a corporation. New topics will include equity accounts, additional financial statements, subsidiary ledgers, and a payroll system for compensating employees. This course is important for any student considering a business major in college.

Course Fee: \$24.25

Grade: 10,11,12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: Working papers and practice set must be purchased. Workbook will be used for Accounting 1A and 1B. Calculator and straight edge are required.

Business Law (BUS609)

Prerequisite: None

The purpose of this course is to help the student understand the legal world in which he/she lives. The course covers the law and our legal system, contract law, consumer law, employment protection and equal opportunity, purchasing power, and various areas such as marriage, divorce, renting, and insurance.

Course Fee: None

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Business Math (BUS610)

Prerequisite: None

This course is intended to provide students with the mathematical skills necessary for everyday living. Students will be introduced to the mathematics involved in purchasing, borrowing, wages, and taxes. Content will include a review of decimals, fractions, and percentages presented as problems in business. In addition, students will learn about income, checking accounts, cash and credit card purchases, loans, budgeting, insurance, investments, housing and transportation costs, payroll, and other business applications.

Course Fee: \$22.89

Grade: 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

English 9A (ENG113)

Prerequisite: None

The purpose of this course is to develop skills in grammar, composition, and vocabulary, as well as to study different types of literature. Skills covered include, but are not limited to, correction of common sentence errors, library and study skills, parts of speech, subject-verb agreement, and pronoun usage. Literature study will include units of study in fiction, nonfiction, drama, and novel.

Course Fee: \$7.50

Grade: 9

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

English 9B (ENG114)

Prerequisite: None

This is the 2nd half of the English 9 curriculum and will continue the study of grammar, composition, literature, and vocabulary.

Course Fee: \$7.50

Grade: 9

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Honors English 9A (ENG115)

Prerequisite: None

The purpose of this course is to prepare advanced English students for college in writing skills and literary analysis. This course is intended to develop skills in grammar, composition, and vocabulary, as well as to study different types of literature. Skills covered include, but are not limited to, correction of common sentence errors, library and study skills, parts of speech, subject-verb agreement, and pronoun usage. Literature study will include units of study in fiction, nonfiction, drama, and novel.

Course Fee: \$10.00

Grade: 9

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: Students are pre-selected for this course by the recommendation of their 8th grade English teacher.

Honors English 9B (ENG116)

Prerequisite: None

This is the 2nd half of the Honors English 9 curriculum and will continue the study of grammar, composition, literature, and vocabulary.

Course Fee: \$10.00

Grade: 9

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

English 10A (ENG123)

Prerequisite: English 9

This course prepares advanced students for college in literature, writing, and oral communication. Students will study the conventions of non-fiction, short story, drama, poetry, and classical Greek and Roman mythology. Students will produce narratives, responses to literature, and expository and persuasive writings, with an emphasis on organization, creative and analytical thinking, research and documentation, and grammar, mechanics, and usage. The course includes development of vocabulary and speaking skills.

Course Fee: \$18.00

Grade: 10

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

English 10B (ENG124)

Prerequisite: English 10A

This is the 2nd half of the English 10 curriculum and will continue the further study of grammar, composition, literature, and vocabulary.

Course Fee: None

Grade: 10

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Honors English 10A (ENG125)

Prerequisite: English 9 and teacher recommendation.

The purpose of this course is to prepare advanced students for college in literature, writing, and oral communication skills. Students will study the conventions of a variety of literary genres, including nonfiction, short story, drama, poetry, and classical Greek and Roman mythology. Students will produce narratives, responses to literature, and expository and persuasive writings, with an emphasis on organization, creative and analytical thinking, research and documentation, and grammar, mechanics, and usage conventions. The course includes vocabulary development and speaking skills study and practice.

Course Fee: \$10.00

Grade: 10

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: Students will purchase paperback literature.

Honors English 10B (ENG126)

Prerequisite: Honors English 10A

This 2nd half of the Honors English 10 curriculum will continue the advanced study of literature, writing, and oral communication skills.

Course Fee: \$10.00

Grade: 10

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Practical English 11A (ENG131)

Prerequisite: English 10

This course is intended for Juniors and Seniors who plan to attend a technical school, join the military, or enter the workforce upon graduation. The course will continue the study of effective oral and written communication and develop skills for lifelong reading comprehension and appreciation. Students will explore a variety of fiction and non-fiction texts with an emphasis on reading, grammar, mechanics, and writing skills applicable to daily life situations.

Course Fee: None

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: Admittance is based upon teacher recommendation

Practical English 11B (ENG132)

Prerequisite: Practical English 11A

This course is the 2nd half of the Practical English 11 curriculum and continues the study of oral and written communication.

Course Fee: None

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

English 11A (ENG133)

Prerequisite: English 10

This course is for college-bound juniors and seniors who need to improve reading comprehension and writing skills. The course will include American literary works in all genres, vocabulary, and a specific emphasis on note-taking skills.

Course Fee: None

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: Students who have taken Honors English 10 or have received a grade of A or B in English 10 are not eligible for this course

English 11B (ENG134)

Prerequisite: English 11A

This course, for college-bound juniors and seniors who have completed English 11A, will include the study of a novel, a review of research skills, and the writing of a research paper.

Course Fee: \$10.00

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

College English 11A (ENG135)

Prerequisite: English 10 and teacher recommendation

This course is intended to familiarize students with the literary and social trends of American literature, further develop research skills, study and apply the MLA research paper format, continue the study of vocabulary, and further develop students' writing skills. Students will read works by American authors and continue the formal study of vocabulary. Writing experiences will focus on organization, style, development, and mechanics.

Course Fee: \$20.00

Grade: 11

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: This course is intended for students who are planning to continue their education after high school, particularly at a four year college. Students will purchase materials to supplement the text.

College English 11B (ENG136)

Prerequisite: College English 11A

This is the 2nd half of the College English 11 curriculum and is intended to continue to familiarize students with literary and social trends in American literature, review additional uses for formal research, continue the study of vocabulary, and further develop writing skills.

Course Fee: \$20.00

Grade: 11

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

English 12A (ENG143)

Prerequisite: English 11 or College English 11

This course is intended to familiarize students with major world authors, their works, and the historical trends that have affected them and to improve and coordinate reading comprehension, critical thinking, speaking, analytical, and creative writing skills. The class will present works of poetry, prose, and drama dating from the classical period into the 20th century, as well as vocabulary study and instruction and practice in writing, organization, style, and grammar mechanics and usage conventions. There will also be a focus on English literature from the Anglo-Saxon period through the Renaissance, plus selected world literature from ancient cultures.

Course Fee: \$10.00

Grade: 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: Students who have earned an A or B in College English 11 are not eligible for this course. This course is intended for college-bound seniors.

English 12B (ENG144)

Prerequisite: English 12A

This is the 2nd half of the English 12 curriculum and will focus on world and English literature from the 17th century to the 20th century.

Course Fee: \$10.00

Grade: 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

College English 12A (ENG145)

Prerequisite: College English 11 and teacher recommendation.

This course familiarize students with major world authors, their works, and the historical trends that affected them, along with improving students' reading comprehension, speaking, critical thinking, and analytical and creative writing skills. This course focuses on poetry, prose, and drama in English literature from the Anglo-Saxon period through the Renaissance, plus selected world literature from ancient to modern with vocabulary study and instruction and practice in writing organization, style, grammar, mechanics, an usage.

Course Fee: \$25.00

Grade: 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: This course is intended for those students who are planning to continue their education after high school or those who want a thorough English background.

College English 12B (ENG146)

Prerequisite: College English 12A

This is the 2nd half of the College English 12 curriculum and will focus on world and English literature from the 17th century to the modern period and will also include selected modern fiction and nonfiction texts.

Course Fee: \$15.00

Grade: 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

AP English A: Literature & Composition (ENG191)

Prerequisite: College English 11 and teacher recommendation.

This course is designed for students seeking an advanced study in all phases of literature and writing and will include an extensive study of all genres of literature. Analytical writing assignments will be required. The intent is to help students prepare for college freshman level work at an accelerated level. Content will focus on introducing intensive literary analysis and writing with an emphasis on short and long fiction. At least one play and some poetry will also be studied.

Course Fee: \$15.00

Grade: 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: Student book purchase required

AP English B: Literature & Composition (ENG192)

Prerequisite: AP English A

This is the 2nd part of the three part AP English curriculum and will focus on continuing intensive literary analysis and writing with an increased emphasis on drama and poetry.

Course Fee: \$15.00

Grade: 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

AP English C: Literature & Composition (ENG193)

Prerequisite: AP English A & B

This is the 3rd and final course in the three part AP English curriculum. This section will focus on preparation for the Advanced Placement test in English: Literature and Composition.

Course Fee: \$65.00

Grade: 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: Fee will cover the cost of the AP exam.

Independent Reading (ENG151)

Prerequisite: None

The intent of this course is to provide students the opportunity to enjoy literature by reading books of their own selection. Students will spend class time reading a variety of books, engaging in discussion with the instructor, and preparing written responses. All reading material is subject to the teacher's approval.

Course Fee: None

Grade: 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: This is not a college prep course.

Techniques of Acting (ENG152)

Prerequisite: None

This course is intended to familiarize the student with the individual techniques involved in acting. Students will participate and create scenes in pantomime, vocal, and improvisation exercises. The course work builds up to the performance of scenes from selected plays.

Throughout the course, the focus is on the basics of performance: stage movement, gestures, language, reactions, and timing.

Course Fee: None

Grade: 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: The student must be willing to participate in a variety of performance activities on a regular basis. This is not a college prep course.

Short Story (ENG153)

Prerequisite: None

This course is designed to acquaint the student with the development and structure of the short story as a form of literature. The student is encouraged to see that this type of literature not only provides pleasure, but also increases understanding of self and the surrounding world. The course involves the study of the various elements of a short story with an emphasis on reading, writing, and discussing many short stories in class.

Course Fee: None

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: This is not a college prep course.

Creative Writing (ENG154)

Prerequisite: English 9

This course is intended to stimulate the student's creative processes and to allow him/her to practice creativity by writing stories and creating projects. The course will make students aware of the amount of writing and various styles of writing used in daily life. Students will do several in-class writings based on activities and work will be evaluated with primary emphasis on creativity and content.

Course Fee: None

Grade: 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: This is not a college prep course.

Creative Writing 2: ReQuest! (ENG155)

Prerequisite: Creative Writing

This course is designed to further creative writing skills by focusing on the 'process' of writing. Students will work collaboratively to select, edit, revise, layout, and publish various student writings for Celina High School's annual literary magazine.

Course Fee: None

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: Students must be willing to stay after school on various occasions to help with the publication of ReQuest. This is not a college prep course.

Successful Speaking: Just SAY It! (ENG156)

Prerequisite: None

This course is designed to introduce the student to the theory and process of shaping ideas into an effective oral presentation.

Particular attention is paid to selecting supporting materials, arranging ideas in a logical manner, and delivering the speech effectively. Emphasis is placed on presenting informative, demonstrative, and persuasive speeches, with opportunities also provided for impromptu speaking experiences.

Course Fee: None

Grade: 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: This is not a college prep course.

Media Composition (ENG157)

Prerequisite: None

The primary objective of this course is to obtain a greater understanding of journalism. Students will study all aspects of journalism from writing, copy, computer layout, rights and responsibilities, editing, photography, and research. Students will be responsible for the writing and production of the student newspaper, The Tatler, and will assist in design and editing in a variety of print and electronic media formats.

Course Fee: None

Grade: 9, 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: Students should have had success in previous writing classes. Only 9th graders in Honors English are eligible.

Gothic & Horror Fiction (ENG159)

Prerequisite: None

This course allows students to study the history and development of gothic and horror fiction through the study of short stories, novels, and various types of media. Students will also study the elements and themes of gothic and horror fiction while reading and discussing the literature in class.

Course Fee: None

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Advanced Media Composition (ENG158)

Prerequisite: Media Composition and permission of the instructor

Students will learn advanced journalism production techniques in preparation for pursuing print journalism beyond the high school level. The focus will be on the development of all aspects of the student newspaper, The Tatler. Students will serve as editors of The Tatler and will learn various techniques of desktop publishing, advanced story forms and techniques, advanced editorial work, and mentoring of Media Composition students.

Course Fee: None

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Leadership for Life (ENG199)

Prerequisite: None

This course offers students the opportunity to examine leadership theory and develop leadership skills. Units of study will include effective communication, group process, managerial skills, self awareness, and human relations. In addition, students will apply their knowledge and skills through a class project.

Course Fee: None

Grade: 10 & 11

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: This course is designed for sophomores and juniors planning to seek leadership positions within the school or community such as a club or class office, team captain, or other leadership role.

FAMILY & CONSUMER SCIENCES

Managing Transitions (FCS641)

Prerequisite: None

This course is designed to help meet challenges faced in everyday life. You will examine your values and resources that support your lifestyle goals. Discussions will center on time management, developing plans to reduce and manage stress in your life and applying decision making skills to education, work, and personal problems. You will learn positive skills to express emotions and resolve conflict. Food labs will be included to help you plan and prepare basic, healthy meals and a sewing project will be completed to stress skill development.

Course Fee: \$25.00

Grade: 9 & 10

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Healthy and Safe Food (FCS643)

Prerequisite: None

This course is designed to help you plan and prepare meals. Healthy choices will be stressed with the help of reliable food information sources such as the USDA Food Pyramid and Dietary Guidelines. Traditional foods will also be included. You will learn how society and your culture influence your food choices. Basic food preparation skills will be studied and practiced in food labs. Information regarding safe food handling practices will also be provided.

Course Fee: \$25.00

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Child Development (FCS645)

Prerequisite: None

If you are planning to have or care for children when you are older, then this class is for you. Topics include readiness for parenthood, consequences of teen parenthood, childbirth, infant and toddler care, preschool and school age children, guidance and discipline, nutrition, choosing appropriate toys and activities, child abuse issues and helping children with crisis situations like divorce and death in the family. Labs will be included to address the nutrition of children and pregnant women.

Course Fee: \$15.00

Grade: 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Healthy Living (FCS647)

Prerequisite: Healthy and Safe Foods

Students will learn about healthy lifestyles through proper nutrition and physical activity information. They will gain knowledge that will reduce the risks of disease and unsafe habits. Planning and preparing nutritious snacks and meals will be covered in class through food labs. Selection of healthy restaurant foods will also be researched. Students will study different weight loss plans and various sources of information regarding food and beverage selection. They will become informed of the skills necessary in order to become a wise consumer and safe handler of food.

Course Fee: \$25.00

Grade: 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Career Search (FCS649)

Prerequisite: None

This course will provide students with the skills needed to make realistic educational and career plans beyond high school. Students will identify interests and match them with possible occupations. Educational opportunities and scholarships will be researched along with military options and work apprenticeships. Employability skills will be studied such as finding job leads, job applications, writing a resume and cover letter, and practicing interviewing skills. Once you have a job, what should you be prepared for? Topics such as work ethic, teamwork, relationships, leadership, communication, and problem solving skills will also be covered. The magazine, Career World, will be used.

Course Fee: \$10.00

Grade: 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Financial Management (FCS651)

Prerequisite: None

Are you tired of never having enough money? In this course, you will become aware of the relationship between your values, income, education, and spending decisions. Through activities, you will learn about good financial decision making, paychecks, budgets, appropriate use of credit, banking, insurance, and taxes. Using technology to save time, making decisions, and managing money safely to avoid identity theft will be practiced. Apartment hunting and understanding leases will be studied also. Preparing fast, healthy meals for one or two and managing an economical food budget are some of the skills you will experience in class.

Course Fee: \$15.00

Grade: 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

FOREIGN LANGUAGES

French 1A (FRN711)

Prerequisite: Overall GPA of "C" or better plus the recommendation of the English teacher

This course is intended to acquaint students with a basic knowledge of the French language and culture in various francophone countries. The course includes the study of vocabulary, grammar, and culture. Emphasis is placed on reading, listening, speaking, and writing skills.

Course Fee: None

Grade: 9, 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: Students not taking a regular English class, will need permission from the French teacher before registering for this class.

French 1B (FRN712)

Prerequisite: French 1A

The purpose of this course is to continue the study of the objectives for French 1A.

Course Fee: None

Grade: 9, 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

French 2A (FRN721)

Prerequisite: French 1

This course is intended to transition students from a basic to an intermediate level of proficiency. The course will include more intensive grammar and vocabulary study with a special emphasis on reading and conversational skills.

Course Fee: None

Grade: 9, 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

French 2B (FRN722)

Prerequisite: French 2A

The purpose of this course is to continue the study of the objectives for French 2A.

Course Fee: None

Grade: 9, 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

French 3A (FRN731)

Prerequisite: French 2

This course is intended to apply and build on skills and knowledge learned in French 1 and 2. Focus will be on students developing a more sophisticated use of the language and a more complete understanding of the francophone culture.

Course Fee: None

Grade: 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

French 3B (FRN732)

Prerequisite: French 3A

The purpose of this course is to continue the study of the objectives for French 3A.

Course Fee: None

Grade: 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

French 4A (FRN741)

Prerequisite: French 3

This course is intended to provide advanced study of francophone language and civilization, emphasizing history and literature.

Course Fee: None

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

French 4B (FRN742)

Prerequisite: French 4

The purpose of this course is to continue the study of the objectives for French 4A.

Course Fee: None

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

German 1A (GER711)

Prerequisite: Overall GPA of "C" or better and approval of 8th Grade English teacher

This course is intended to acquaint students with a basic knowledge of the German language and culture in various German speaking countries. The course includes the study of vocabulary, grammar, and culture. Emphasis is placed on reading, listening, speaking, and writing skills.

Course Fee: None

Grade: 9, 10, 11

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

German 1B (GER712)

Prerequisite: German 1A

The purpose of this course is to continue the study of the objectives for German 1A.

Course Fee: None

Grade: 9, 10, 11

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

German 2A (GER721)

Prerequisite: German 1

This course is intended to transition students from a basic to an intermediate level of proficiency. The course will include more intensive grammar and vocabulary study with a special emphasis on reading and conversational skills.

Course Fee: None

Grade: 9, 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

German 2B (GER722)

Prerequisite: German 2A

The purpose of this course is to continue the study of the objectives for German 2A.

Course Fee: None

Grade: 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

German 3A (GER731)

Prerequisite: German 2

This course is intended to apply and build on skills and knowledge learned in German 1 and 2. Focus will be on students developing a more sophisticated use of the language and a more complete understanding of the Germanic culture.

Course Fee: \$11.25

Grade: 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

German 3B (GER732)

Prerequisite: German 3A

The purpose of this course is to continue the study of the objectives for German 3A.

Course Fee: None

Grade: 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

German 4A (GER741)

Prerequisite: German 3

This course is intended to provide advanced study of German language and civilization, emphasizing history and literature.

Course Fee: None

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

German 4B (GER742)

Prerequisite: German 4A

The purpose of this course is to continue the study of the objectives for German 4A.

Course Fee: None

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Spanish 1A (SPN711)

Prerequisite: Overall GPA of "C" or better and approval of 8th Grade English teacher

This course is intended to acquaint students with a basic knowledge of the Spanish language and culture in various Spanish speaking countries. The course includes the study of vocabulary, grammar, and culture. Emphasis is placed on reading, listening, speaking, and writing skills.

Course Fee: None

Grade: 9, 10, 11

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Spanish 1B (SPN712)

Prerequisite: Spanish 1A

The purpose of this course is to continue the study of the objectives for Spanish 1A.

Course Fee: None

Grade: 9, 10, 11

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Spanish 2A (SPN721)

Prerequisite: Spanish 1

This course is intended to transition students from a basic to an intermediate level of proficiency. The course will include more intensive grammar and vocabulary study with a special emphasis on reading and conversational skills.

Course Fee: None

Grade: 9, 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Spanish 2B (SPN722)

Prerequisite: Spanish 2A

The purpose of this course is to continue the study of the objectives for Spanish 2A.

Course Fee: None

Grade: 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Spanish 3A (SPN731)

Prerequisite: Spanish 2

This course is intended to apply and build on skills and knowledge learned in Spanish 1 and 2. Focus will be on students developing a more sophisticated use of the language and a more complete understanding of the Spanish culture.

Course Fee: \$11.25

Grade: 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Spanish 3B (SPN732)

Prerequisite: Spanish 3A

The purpose of this course is to continue the study of the objectives for Spanish 3A.

Course Fee: None

Grade: 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Spanish 4A (SPN741)

Prerequisite: Spanish 3

This course is intended to provide advanced study of Spanish language and civilization, emphasizing history and literature.

Course Fee: None

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Spanish 4B (SPN742)

Prerequisite: Spanish 4A

The purpose of this course is to continue the study of the objectives for Spanish 4A.

Course Fee: None

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

HEALTH & PHYSICAL EDUCATION

General Phys. Ed (HPE101)

Prerequisite: None

This course is designed to provide each student the opportunity to participate in competitive and life time sports and activities. Activities may include: volleyball, basketball, football, softball, soccer, weight training, shuffleboard, ping pong, floor hockey and conditioning.

Course Fee: None

Grade: 9,10,11,12

Credit: 1/4 credit

Length: 1 Trimester

Special Notes: Every student must complete a total of 1/2 credit in physical education studies to graduate from high school. 1/4 of this credit will have been earned from incoming eighth graders if requirements have been successfully completed at that grade level.

Advanced Phys. Ed. (HPE201)

Prerequisite: General Phys. Ed.

This course is an advanced level of physical education.

Course Fee: None

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Health (HPE100)

Prerequisite: None

This course is designed to provide knowledge and basic experiences that will help students to develop desirable health attitudes, habits, and skills.

Course Fee: None

Grade: 9,10,11,12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: This class is a make-up class only for those students who have not passed an approved health course of study.

INDUSTRIAL TECHNOLOGY

Introduction to Technology (TEC620)

Prerequisite: None

This course is intended to introduce students to different areas of our technological society. The student will explore and study different areas of technology. The course is intended to help students understand and apply the impact of present and future technologies in their lives and life styles.

Course Fee: \$42.50

Grade: 9 & 10

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

General Drafting (TEC621)

Prerequisite: None

This course is intended to develop a basic understanding of working drawings and beginning drafting practices as the foundation for communicating in all industrial technology and vocational courses. Instruction will include how to create basic 3-view drawings, dimensioning, reading of blueprints, and pictorial drawing. Basic Autocad principles will also be introduced to students.

Course Fee: \$15.00

Grade: 9 & 10

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Woods Technology 1 (TEC622)

Prerequisite: None

This course is designed to develop student interest in woodworking, familiarize students with hand and power tools, and develop hobbies and interests in wood industries. The student will be exposed to various types of wood and wood joints. Care and maintenance of tools and equipment will also be addressed.

Course Fee: \$25.00

Grade: 9 & 10

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Woods Technology 2 (TEC623)

Prerequisite: B- in Woods Technology

This course is designed to build upon the skills acquired in Woods Tech I. Students will develop a better understanding of woodworking materials and techniques to properly execute joinery and cabinetry projects. Care and maintenance of tools and equipment will be addressed.

Course Fee: \$25.00

Grade: 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Advanced Wood Working (TEC624)

Prerequisite: B- in Woods Technology 1

This course is a continuation of woods technology I & II. Students will be working independently, practicing and demonstrating advanced woodworking skills used in the cabinet making and construction fields. An emphasis will be placed on techniques, tool set-up, and trade practices used in various fields.

Course Fee: \$25.00

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Cabinetry 1 (TEC625)

Prerequisite: B+ in Woods Technology 1

This course is designed to prepare students for employment in the cabinet making and fine woodworking trades. The course curriculum combines technical instruction with shop experience. Students learn to build cabinets and fine furnishings and complete precise work with their hands. Assigned projects help the students learn to use the tools of the cabinet making trade.

Course Fee: \$25.00

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: Must take 3 trimesters

Cabinetry 2 (TEC626)

Prerequisite: Cabinetry 1

This is a continuation of Cabinetry 1.

Course Fee: \$25.00

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Cabinetry 3 (TEC627)

Prerequisite: Cabinetry 2

This is a continuation of Cabinetry 2.

Course Fee: \$25.00

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Engineering Drafting (TEC650)

Prerequisite:

This course is designed to teach basic skills in computer aided drafting while performing tasks in the engineering or manufacturing areas. Required computer aided drawings will include orthographic projections, dimensioning, pictorial, detail work, and assembly drawings. This class stresses the basics and should benefit students planning to pursue engineering in college or the Tri Star Engineering Technology program.

Course Fee: None

Grade: 10,11&12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Architectural Drafting (TEC651)

Prerequisite: None

This course is designed to develop a basic understanding of residential design, construction procedures, materials, codes, and material costs. The course will cover the design, symbols, specifications, and materials involved in residential construction. Students will draw basic residential plans using computer software and equipment. Plans include floor plans, foundation, electrical, elevations, and 3D presentation drawings.

Course Fee: None

Grade: 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

MATHEMATICS

Practical Algebra 1A (MTH210)

Prerequisite: None

This course is the introductory course in a three part Algebra 1 sequence for students who have difficulty with mathematics. Content will focus on the language of Algebra; integers; solving equations with addition, subtraction, multiplication and division; proportional reasoning and probability; functions and graphs; and linear equations.

Course Fee: None

Grade: 9, 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: A graphing calculator (preferably TI-83 or newer) is recommended (not required).

Practical Algebra 1B (MTH211)

Prerequisite: None

This course is the 2nd course in a three part Algebra 1 sequence for students who have difficulty with mathematics. The content of the course includes solving different types of equations, simplifying powers, simplifying polynomials, and factoring.

Course Fee: None

Grade: 9 & 11

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: A graphing calculator (preferably TI-83 or newer) is recommended (not required).

Practical Algebra 1C (MTH212)

Prerequisite: Practical Algebra B

This course is the 3rd and final course in a three part Algebra 1 sequence for students who have difficulty with mathematics. The content of the course includes working with different types of equations and inequalities, functions, and systems.

Course Fee: None

Grade: 9 & 11

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: A graphing calculator (preferably TI-83 or newer) is recommended (not required). Upon completion of this course, students will receive one full credit of Algebra I.

Algebra 1A (MTH213)

Prerequisite: None

The intent of this course is to help students understand the basic structures of the real number system, recognize and apply techniques used in Algebra, develop a logical procedure for problem solving, and appreciate the need for precision in using the Algebraic language. This section will focus on real numbers, solving linear equations, graphing relations and functions, and analyzing linear equations

Course Fee: None

Grade: 9, 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: A graphing calculator (preferably TI-83 or newer) is recommended (not required).

Algebra 1B (MTH214)

Prerequisite: Algebra 1A

This course is the 2nd half of Algebra 1. The content will focus on solving linear inequalities, solving systems of linear equations and inequalities, polynomials, factoring, and quadratic and exponential functions.

Course Fee: None

Grade: 9, 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: A graphing calculator (preferably TI-83 or newer) is recommended (not required).

Practical Geometry A (MTH221)

Prerequisite: Algebra 1

This course is intended to help students understand the basic structure of Geometry and to understand how Algebra and Geometry complement each other. Content includes points, lines, planes, induction and deduction, coordinate geometry, angle relationships, perpendicular and parallel lines, and triangle relationships.

Course Fee: None

Grade: 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: This course is designed for those students who generally have difficulties in mathematics. A calculator is needed for this course.

Practical Geometry B (MTH222)

Prerequisite: Practical Geometry A

This course is intended for students who have completed Practical Geometry A. Content includes triangle relationships, quadrilaterals, right triangle trigonometry, polygons, area, circles, surface area, and volume.

Course Fee: None

Grade: 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: Supplies needed: calculator, compass, and protractor.

Geometry A (MTH223)

Prerequisite: Algebra 1

This course is designed to help the student understand the basic structures of Geometry, use and strengthen Algebraic skills, and gain knowledge of how Algebra and Geometry complement each other. Content will focus on points, lines, planes, inductive and deductive reasoning, proofs, angles and angle relationships, lines and line relationships, triangle relationships, and transformations.

Course Fee: None

Grade: 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: Supplies needed: calculator, compass, and protractor

Geometry B (MTH224)

Prerequisite: Geometry A

The 2nd half of Geometry, this course will focus on proportions, similarity, right triangles, trigonometry, quadrilaterals, circles, areas of polygons and circles, surface area, and volume.

Course Fee: None

Grade: 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: Supplies needed: calculator

Honors Geometry A (MTH215)

Prerequisite: Algebra 1

This advanced level of Geometry is intended for the student who has shown exceptional aptitude for Mathematics in the past or has taken Algebra I in the 8th grade. This course uses an inductive approach to cover the following topics: points, lines, planes, proofs, angle relationships, perpendicular and parallel lines, congruent polygons, and constructions.

Course Fee: None

Grade: 9 & 10

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Honors Geometry B (MTH216)

Prerequisite: Honors Geometry A

This course is a continuation of the Honors Geometry course. The emphasis of this course will be on circles, arcs, similar polygons, area, volume, and trigonometry.

Course Fee: None

Grade: 9 & 10

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Practical Algebra 2A (MTH230)

Prerequisite: Algebra 1 and Geometry

Intended to introduce students to second year algebraic concepts and skills at a slower pace for students who struggle with mathematics. Content includes real number concepts, concepts of relations and functions, systems of equations, and polynomials, all with an emphasis on graphing.

Course Fee: None

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: A graphing calculator (preferably TI-83 or newer) is required.

Practical Algebra 2B (MTH231)

Prerequisite: Practical Algebra 2A

The 2nd half of the Practical Algebra 2 course, this class introduces complex numbers, different types of functions and their graphs, and solving the related equations of those functions.

Course Fee: None

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: A graphing calculator (preferably TI-83 or newer) is required.

Algebra 2A (MTH233)

Prerequisite: Grade of at least C in Algebra 1 and Geometry

This course is intended to apply Algebraic skills and concepts to prepare for college level mathematics. The content includes a continued study of real number concepts and equations from Algebra I in addition to a study of polynomials and complex numbers.

Course Fee: None

Grade: 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: A graphing calculator (preferably TI-83 or newer) is required.

Algebra 2B (MTH234)

Prerequisite: Algebra 2A

This course is the 2nd half of Algebra 2. There will be an emphasis on different types of functions, the graphs of those functions, and solving of related equations including quadratic, rational, exponential, and logarithmic functions.

Course Fee: None

Grade: 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: A graphing calculator (preferably TI-83 or newer) is required.

Honors Algebra 2A (MTH225)

Prerequisite: Geometry

This advanced level of Algebra 2 is intended to prepare exceptional math students in applications of Algebraic skills and concepts at an advanced pace. The course will continue the study of Real Numbers concepts from Algebra I and advance into the use of different types of functions concentrating on quadratics with an introduction of complex numbers.

Course Fee: None

Grade: 10

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: A graphing calculator (preferably TI-83 or newer) is required.

PreCalculus A (MTH243)

Prerequisite: Algebra 2

This course introduces new methods of calculation and application of techniques learned in prior math courses to prepare students for college level mathematics. Students will be taught to simplify expressions, solve equations and inequalities, graph functions of all varieties, and apply all techniques to real world situations.

Course Fee: None

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: A graphing calculator (TI-83 or newer) is required. A strong background in Algebra 2 is recommended.

Honors Algebra 2B (MTH226)

Prerequisite: Honor Algebra 2A

A continuation of Honors Algebra 2, this course focuses on quadratic, rational, exponential and logarithmic functions and their graphs.

Course Fee: None

Grade: 10

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

PreCalculus B (MTH244)

Prerequisite: PreCalculus A

A continuation of Pre-Calculus A, students in this course will be taught logarithms, trigonometry, and the application of these concepts to real life.

Course Fee: None

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: A graphing calculator (TI-83 or newer) is required.

AP Calculus A (MTH291)

Prerequisite: PreCalculus

This course is designed to meet the requirements of most universities for Calculus credit. At the conclusion of the AP Calculus series, students will have the opportunity to take the Advanced Placement Calculus Exam, which may earn the student college credit. This first portion of the course will cover relations, functions, limits, continuity, and differentiation of algebraic and trigonometric functions, as well as related rates.

Course Fee: None

Grade: 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: A graphing calculator (preferably TI-83 or newer) is required.

AP Calculus B (MTH292)

Prerequisite: AP Calculus A

This course is the 2nd part of the AP Calculus series and will cover applications of differentiation, advanced curve sketching, Sigma Notation, basic integration with Riemann Sums, and The Fundamental Theorem of Calculus.

Course Fee: None

Grade: 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: A graphing calculator (preferably TI-83 or newer) is required.

AP Calculus C (MTH293)

Prerequisite: AP Calculus A

This course is the 3rd and final course in a three part Calculus series. At the conclusion of this course, students will take the Advanced Placement Calculus Exam. This course will cover applications of integration, areas between curves, volumes of revolution by disk and washer method, volumes by integrating a known cross-section, differentiation and integration of transcendental functions, slope fields, and other advanced integration techniques. There will also be an intense study of sample AP questions in preparation for the AP Exam.

Course Fee: \$50.00

Grade: 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: A graphing calculator (preferably TI-83 or newer) is required. Fee will cover the cost of the AP exam.

Senior Math A (MTH241)

Prerequisite: Recommendation by a teacher or guidance counselor

This course is a general review of basic mathematical principles emphasizing fundamental concepts. Students will be taught decimals, basic Algebra, data displays, integers, percents, and fractions.

Course Fee: None

Grade: 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Senior Math B (MTH242)

Prerequisite: Senior Math A

This course is a continuation of the Senior Math A course, focusing on fractions, decimals, percents, ratios, proportions, probability, geometry, taxes, and interest.

Course Fee: None

Grade: 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Statistics (MTH251)

Prerequisite: Algebra 2

This course is designed to provide the student with a comprehensive overview of introductory statistics and probability in areas such as sociology, business, ecology, economics, education, medicine, psychology, and mathematics. A special effort is made to make concepts of statistics available to students who are not prepared for elaborate symbolism or complex arithmetic.

Course Fee: None

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: A graphing calculator (preferably TI-83 or newer) is recommended (not required).

Math 4 (MTH252)

Prerequisite: Algebra 2

This course is offered as a transition to college mathematics for students needing basic review of Algebra 1 & 2. Upon completion of this course, a student should be prepared to take the college entrance exam or placement test. Students will study trigonometric functions, the Pythagorean Theorem, geometric figures, quadratic equations and inequalities, calculator functions, linear equations, and graphing.

Course Fee: None

Grade: 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Discrete Math (MTH253)

Prerequisite: Algebra 2

This elective mathematics course is designed to cover topics different than those in other mathematics courses offered. These topics include vectors, matrices, logarithms, logic, number systems, graph theory, and statistics.

Course Fee: None

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

MUSIC

Marching Band (MUS601)

Prerequisite: Previous participation in instrumental music and/or permission of the instructor.

This is the first trimester of the full-year band sequence. All band students are required to enroll in all three trimesters of band each year. The course will encompass fundamentals of playing and marching, and performance of a variety

Course Fee: \$20.00

Grade: 9, 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: All students must attend band camp during the summer unless they have received permission from the instructor to be absent. All students will be required to attend rehearsals and performances outside of school hours.

Concert Band A (MUS602)

Prerequisite: Permission of instructor

This is the 2nd trimester of the three-trimester band sequence. Students will perform a variety of concert band literature from multiple style periods and will study the fundamentals of their instrument as well. The course includes some mandatory co-curricular performances and rehearsals.

Course Fee: None

Grade:

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Concert Band B (MUS603)

Prerequisite:

This is the 3rd trimester of the three-trimester band sequence.

Course Fee: None

Grade:

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Jazz Band A (MUS604)

Prerequisite:

This course will meet second trimester and will be an introduction to performance in a variety of jazz styles with an emphasis on improvisation. The size of the ensemble will determine the format of the course with respect to the literature studied and the type of ensemble formed.

Course Fee: None

Grade:

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Jazz Band B (MUS605)

Prerequisite:

This course will meet third trimester and will include performance in a variety of jazz styles with an emphasis on improvisation. The size of the ensemble will determine the format of the course with respect to the literature studied and the type of ensemble formed.

Course Fee: None

Grade:

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Freshmen Choir A (MUS611)

Prerequisite: The desire to sing and perform with a group of mixed voices.

This course is intended to offer freshmen ample opportunity for proper development of the singing voice and to function as a training choir in preparation for the A Cappella Choir and/or Chamber Choir. Students will develop an understanding of skills and fundamentals required for proper singing, increase music reading ability, perform two-, three-, and four-part accompanied singing, and be introduced to A Cappella (unaccompanied) singing.

Course Fee: None

Grade: 9

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: No audition or tryout is required for membership. Annual performances: Fall Concert, Christmas Concert, Choral Competition, Spring Concert, and Spring Musical.

Freshmen Choir B (MUS612)

Prerequisite: Freshmen Choir A

This course is the 2nd of a three-trimester freshmen choir program.

Course Fee: None

Grade:

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Freshmen Choir C (MUS613)

Prerequisite: Freshmen Choir B

This course is the 3rd and final course in the three-trimester freshmen choir program.

Course Fee: None

Grade:

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

A Cappella Choir A (MUS621)

Prerequisite:

This course is intended to provide students in grades 10 – 12 who possess above average vocal music ability an opportunity to sing and perform with a large mixed-voice choir. This course will provide an opportunity to further develop expressive vocal quality, increase music reading ability, sing a variety of choral music ranging from the light secular to the more demanding sacred and contemporary works, and develop a clearer understanding of choral form and style.

Course Fee: \$3.00

Grade: 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: Open to grades 10 – 12 (audition only).

Cost - \$3.00 robe fee for dry cleaning and repairs.

Annual performances: Fall Concert, Christmas Concert, Choral Competition, Spring Concert, and Spring Musical. Private voice instruction is encouraged.

A Cappella Choir B (MUS622)

Prerequisite: A Capella Choir A

This course is the 2nd of a three-trimester A Cappella choir program.

Course Fee: None

Grade:

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

A Cappella Choir C (MUS623)

Prerequisite: A Capella Choir B

This course is the 3rd and final course in the three-trimester A Cappella choir program.

Course Fee: None

Grade:

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Chamber Choir A (MUS631)

Prerequisite: AUDITION ONLY - advanced or outstanding vocal music ability. It is encouraged that the students participate in private voice instruction.

This course is intended to provide an opportunity for students who possess advanced vocal music ability to sing the more challenging and demanding choral compositions. This choir will be comprised of a small group (16 – 24 singers including accompanists) of dedicated vocal students who show sincerity in striving for perfection of performance. The literature consists of music from the early Renaissance to very contemporary styles. Madrigals, motets, ballads, art songs, and sacred and secular material are rehearsed and presented. During the fall the annual dinner theater production is rehearsed and presented.

Course Fee: None

Grade: 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: Approximate cost (depending upon choice by the students) - \$60.00 to \$120.00. Annual performances: Fall Concert, Dinner Theatre, Christmas Concert, Choral Competition, Spring Musical, and Spring Concert which can include up to sixteen weeks of after-sch

Chamber Choir B (MUS632)

Prerequisite: Chamber Choir A

This course is the 2nd of a three-trimester chamber choir program.

Course Fee: None

Grade:

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Chamber Choir C (MUS633)

Prerequisite: Chamber Choir B

This course is the 3rd and final course in the three-trimester chamber choir program.

Course Fee: None

Grade:

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Guitar Class (MUS651)

Prerequisite:

This is an introductory level course designed for students who have never played the instrument before.

Course Fee: None

Grade:

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: Some instruments will be available on loan for this course.

History of Pop Music (MUS640)

Prerequisite:

The phenomenon of 'popular music' (as opposed to art or classical music) is a comparatively recent development in western cultures. This course will cover all forms of American popular music from the late 1890s to present day, including Military Bands, Tin Pan Alley composers, Jazz, Blues, Rhythm & Blues, Country, Rock, and others. Distinct emphasis will be placed on societal, geopolitical, cultural, and technological developments and their effects on the music of the times, and vice versa.

Course Fee: None

Grade:

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Music Theory I (MUS641)

Prerequisite: Permission of Instructor

This course is a study of the 'nuts and bolts' of how music is put together. This course will cover basic notation, concepts of meter, rhythm, scales, keys, modes, tonality, and chord structure. Also included will be basic piano skills and sight-singing. This rigorous course is designed to prepare perspective college music majors for college level study.

Course Fee: None

Grade:

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: Prior musical experience including the ability to read music is highly recommended, but not required.

Music Theory II (MUS642)

Prerequisite: Music Theory I and permission of instructor

This course is the continuation of Music Theory I and will cover chord progressions, voice leading, compositional form, basic orchestration, and basic compositional technique through the study and imitation of master composers of various musical style periods. This rigorous course is designed to prepare perspective college music majors for college level study.

Course Fee: None

Grade:

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Applied Instrumental Music (MUS699)

Prerequisite: Enrollment in Band, permission of instructor

This course will cover in-depth techniques specific to each of the band instruments in small group and individual instruction settings, going beyond what is possible in a large ensemble. Study of technical exercises and etudes, as well as chamber music and solo literature will be included.

Course Fee: None

Grade:

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Introduction to Chemistry (SCI313)

Prerequisite: None

This course is designed to introduce students to the science that deals with the composition, structure, and properties of substances and of the transformations that they undergo. Students will engage in hands-on science through laboratory investigations. Students have opportunities to gain knowledge and understanding of various chemistry topics including the classification of matter, properties of atoms and the periodic table, chemical bonds, chemical reactions, solutions, acids and bases, and nuclear change.

Course Fee: \$10.00

Grade: 9

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: This course is required for all CHS students except those pre-selected for other science courses.

Introduction to Physics (SCI314)

Prerequisite: None

This course is designed to introduce students to the science that deals with matter and energy and their interactions in the fields of mechanics, optics, heat, electricity, magnetism, radiation, atomic structure, and nuclear phenomena. Students will engage in hands-on science through laboratory investigations. Students have opportunities to gain knowledge and understanding of various physics topics including motion, acceleration, force, laws of motion, energy, heat and state of matter, waves, electricity, and electromagnetic radiation.

Course Fee: \$10.00

Grade: 9

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: This course is required for all CHS students except those pre-selected for other science courses.

Practical Biology A (SCI321)

Prerequisite: Intro to Physics and Intro to Chemistry

This course is intended to promote an appreciation, awareness and general understanding of biology. An emphasis is placed on student mastery of the basic scientific concepts and skills necessary to meet state mandated science standards. This course will focus on cellular biology and ecology, emphasizing a variety of themes including scientific inquiry, diversity, energy, homeostasis, and change.

Course Fee: \$23.00

Grade: 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: This course is designed for students not planning any post-secondary studies or who are considering some kind of technical or vocational program

Practical Biology B (SCI322)

Prerequisite: Practical Biology A

This course is the 2nd half of the practical biology curriculum and will focus on genetics and the history of biological diversity, emphasizing a variety of themes including scientific inquiry, diversity, energy, homeostasis, and change.

Course Fee: \$23.00

Grade: 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Biology A (SCI323)

Prerequisite: Freshmen Science

This course is designed to present scientific facts, concepts and principles relating to biology, placing emphasis on laboratory work to allow students to discover science rather than learn only the facts, developing the powers of critical reasoning. Content will include cellular biology and ecology while emphasizing a variety of themes including scientific inquiry, diversity, energy, homeostasis, and change.

Course Fee: \$21.00

Grade: 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: Recommended for grade 10

Biology B (SCI324)

Prerequisite: Biology A

This course is the 2nd half of the biology curriculum and will focus on genetics and the history of biological diversity, emphasizing a variety of themes including scientific inquiry, diversity, energy, homeostasis, and change.

Course Fee: \$21.00

Grade: 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: Recommended for grade 10

Honors Biology A (SCI315)

Prerequisite: An A- or above in 8th grade science and recommendation of 8th grade science teacher

This course is an advanced level of biology intended for freshmen students who have a particular interest in science. This course is designed to present scientific facts, concepts and principles relating to biology, placing emphasis on laboratory work to allow students to discover science rather than learn only the facts, developing the powers of critical reasoning. Content will include cellular biology and ecology while emphasizing a variety of themes including scientific inquiry, diversity, energy, homeostasis, and change.

Course Fee: \$21.00

Grade: 9

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: This course has a substantial laboratory component. Students enrolled in Honors Biology are expected to take Introduction to Physical Science (IPS) before they begin chemistry.

Honors Biology B (SCI316)

Prerequisite: Honors Biology A

This course is the 2nd half of the honors biology curriculum intended for advanced freshmen and will focus on genetics and the history of biological diversity, emphasizing a variety of themes including scientific inquiry, diversity, energy, homeostasis, and change.

Course Fee: \$21.00

Grade: 9

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

IPS (SCI317)

Prerequisite: Algebra I or concurrent enrollment in Algebra I and recommendation of 8th grade science teacher.

This course is designed to allow strong freshmen science students the opportunity to complete the prerequisites for Chemistry during the freshmen year. The course will include an introduction to the basic physical science concepts of matter and its properties. The course is primarily a laboratory class utilizing inquiry and exploration as the main methods to learning. Collaboration and teamwork are incorporated into all laboratory investigations.

Course Fee: \$37.00

Grade: 9

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: Freshmen students enrolled in Honors Biology should also enroll in this course.

Integrated Science 1 (SCI331)

Prerequisite: 1 credit of Freshmen Science and 1 credit of Biology

This course is intended to provide the student with a general knowledge of chemical, physical, geological, and life sciences for those students not pursuing a college preparatory course of study. Students will cover the topics of fossil and rock records, the Precambrian Era, Paleozoic Era, Mesozoic Era, Cenozoic Era, cells, mitosis, meiosis, diffusion, osmosis, and genetics.

Course Fee: \$16.00

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: This is not a college prep course

Integrated Science 2 (SCI332)

Prerequisite: 1 credit of Freshmen Science and 1 credit of Biology

This course will cover the topics of taxonomy, ecology and ecosystems, evolution, the periodic table, acids and bases, energy, and waves.

Course Fee: \$16.00

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: This is not a college prep course

Chemistry A (SCI333)

Prerequisite: Biology, and Algebra I.

This course is intended to provide the student with a general overall view of the field of chemistry, the study of matter, and its changes. Students will cover the topics of atoms, periodicity, bonding, formula writing, nomenclature, quantities, and chemical reactions. Special emphasis will be placed on lab work.

Course Fee: \$24.00

Grade: 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: A graphing calculator is required

Chemistry B (SCI334)

Prerequisite: Chemistry A

This is the 2nd half of the Chemistry curriculum. Topics covered will include Stoichiometry, phases of matter, water, mixtures, solutions, equilibrium, oxidation-reduction, and acid-base. Special emphasis will be placed on lab work.

Course Fee: \$24.00

Grade: 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: A graphing calculator is required

Biotechnology (SCI341)

Prerequisite: Biology and Chemistry or Physics

This course is intended to provide an overview of the basic practices and analysis techniques used in biological sciences. The fundamental objective is to teach the basic processes and principles of scientific thinking and apply them to problem solving. This lab centered program will include modern techniques used by biotechnologists and will develop skills in the use of electronic laboratory instrumentation and record keeping.

Course Fee: \$15.00

Grade: 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Forensics (SCI342)

Prerequisite: Biology

This course is designed to provide an overview of the basic practices and analysis techniques used in biological sciences. The fundamental objective is to teach the basic processes and principles of scientific thinking and problem solving. This lab centered program will include the use of modern techniques used by forensic scientists and will develop skills in evidence collection, preservation, analysis, and documentation in a legal scientific notebook.

Course Fee: \$15.00

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Physics A (SCI343)

Prerequisite: Freshmen Science and Biology

This course is intended to give a general view of the topics of physics -- the study and measurement of the relationship between matter and energy. Topics will include motion, force, momentum, energy, heat, wave transfer of energy, physical optics, electricity, and nuclear energy.

Course Fee: \$23.50

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: A graphing calculator is required

Physics B (SCI344)

Prerequisite: Physics A

This is the 2nd half of the Physics curriculum.

Course Fee: \$23.50

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: A graphing calculator is required

Sports Physiology 1A (SCI351)

Prerequisite: Biology

This course is intended to introduce the principles of sports medicine to students that have a specific interest in the field of medicine and/or athletic training. The course is designed to cover the LOWER body anatomy and injuries to these areas. Concepts and applications emphasized throughout the course will include: body characteristics and mechanisms of injury; recognizing and evaluating injuries; tissue healing and pain; emergency procedures in sports; taping and orthotics; therapeutic modalities; and basics in exercise rehabilitation.

Course Fee: \$4.00

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: Students must be available to train during enrollment in this class.

Sports Physiology 1B (SCI352)

Prerequisite: Sports Physiology 1A

This course is the 2nd half of the Applied Physiology 1 course and is designed to cover the UPPER body anatomy and injuries in these areas.

Course Fee: \$4.00

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: Students must be available to train during enrollment in this class.

Sports Physiology 2A (SCI353)

Prerequisite: Sports Physiology

This course is intended to expand on the content from Sports Physiology 1A, emphasizing the rehabilitation aspects of athletic injuries of the LOWER body. Students will focus on developing an understanding of the rehabilitation techniques of athletic injuries and applying them in the training room.

Course Fee: \$4.00

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: Students must be available to train during enrollment in this class.

Sports Physiology 2B (SCI354)

Prerequisite: Sports Physiology 2A

This course is the 2nd half of the Sports Physiology 2 course, and is intended to expand on the content from Sports Physiology 1B, emphasizing the rehabilitation aspects of athletic injuries to the UPPER body.

Course Fee: \$4.00

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: Students must be available to train during enrollment in this class.

AP Biology A (SCI391)

Prerequisite: B+ or above in Biology, Chemistry and Algebra. Comparative Anatomy and Physiology also recommended. Recommendation from Chemistry and Biology teacher required.

This course is the first of a three part AP Biology curriculum open only to selected Juniors and Seniors and is designed to allow students an opportunity to take an introductory college biology course while still in high school. Students will cover a typical freshman college level biology curriculum with a substantial laboratory component.

Course Fee: \$32.50

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: At the conclusion of the third trimester, students have an opportunity to take the Advanced Placement Exam for an additional cost. A high score on this exam can earn the student college credit at many colleges and universities.

AP Biology B (SCI392)

Prerequisite: AP Biology A

This is the 2nd course in the three part AP Biology series.

Course Fee: \$32.50

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

AP Biology C (SCI393)

Prerequisite: AP Biology B

This 3rd and final course in the AP Biology series will prepare the student for the AP exam that will be taken at the end of the course.

Course Fee: \$50.00

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: Fee will cover the cost of the AP exam.

AP Chemistry A (SCI395)

Prerequisite: B+ or above in Biology, Chemistry, and Algebra. Recommendation from Chemistry and Mathematics teacher. Must have completed or be enrolled in Algebra II.

This course is the first of a three part AP Chemistry curriculum open only to selected juniors and seniors interested in preparing for the AP Chemistry Exam. The course is designed to allow junior and senior science students an opportunity to take an introductory college chemistry course while still in high school and obtain possible college credit. Students will cover a typical freshman college level chemistry curriculum.

Course Fee: \$32.50

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: Enrollment is by instructor's approval through an application process which may include an interview. A graphing calculator is required.

AP Chemistry B (SCI396)

Prerequisite: AP Chemistry A

This is the 2nd course in the 3 part AP Chemistry curriculum.

Course Fee: \$32.50

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

AP Chemistry C (SCI397)

Prerequisite: AP Chemistry B

This is the 3rd course in the 3 part AP Chemistry curriculum and is designed to prepare students for the AP Chemistry Exam which, upon successful completion, may afford the student college credit for chemistry.

Course Fee: \$50.00

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: Fee will cover the cost of the AP exam.

Human Anatomy (SCI355)

Prerequisite: 2 units of Biology with a grade of C or higher

This course is intended for students interested in the branch of science that provides an extensive and detailed study of the numerous organ systems of animals. This rigorous course explores an introductory understanding of anatomical structures and physiological interactions of animal body systems. Students will be working with specific organ dissection and the systematic dissection of a mammal.

Course Fee: \$20.00

Grade: 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: This course is recommended to any student who is planning to take Advanced Placement Biology.

Earth and Space Science (SCI356)

Prerequisite: None

This course is intended to provide the student a study of the earth's lithosphere, atmosphere, hydrosphere, and its celestial environment, emphasizing the study of energy at work in forming and modifying earth materials, landforms, and continents through geological time. Students will have the opportunity to gain an understanding of the history of the development of the earth and space sciences, to explore the uses of knowledge of the earth and its environment in various careers, and to cope with problems related to personal needs and social issues.

Course Fee: \$10.00

Grade: 9, 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: This course is designed to present Earth and Space standards in order to prepare 9th and 10th graders for the Ohio Graduation Test.

Zoology (SCI357)

Prerequisite: Biology

This course will introduce the student to the Domain of animals, from invertebrates to the mammal. Starting with the classification of animals, this class will explore the diversity of each animal phyla, covering unique evolutionary adaptations, comparative anatomy, energy requirements, methods of homeostasis and functions of the body systems.

Course Fee: None

Grade: 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: This class will have an extensive dissection component. This class is recommended for any student planning to take AP Biology.

Ecology (SCI358)

Prerequisite: Biology

This class is an interdisciplinary study, combining ideas and information from natural sciences and social sciences to gain an understanding of environmental and resource problems and possible solutions. This course is designed to be an integrated study of environmental problems and solutions. Themes covered will be ecosystem structure and function, resource usage, biodiversity, pollution, population studies, waste management and human interactions with the environment.

Course Fee: None

Grade: 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

SOCIAL STUDIES

American History A (SST413)

Prerequisite: None

This course will provide a better understanding of American History from the American West in the 1860s to recovering from World War I in the 1920s. The course will cover the United States through the Industrial Revolution into Imperialism and ultimately into the US involvement in WWI.

Course Fee: None

Grade: 9

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

American History B (SST414)

Prerequisite: American History A

This course will provide students with a better understanding of the present and future by studying historical events ranging from the post World War I period to the prelude of World War II. Topics emphasized will include the prosperity and rebellion of the Roaring Twenties, the Great Depression and the efforts to remedy the economic problems through the New Deal.

Course Fee: None

Grade: 9

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

American History C (SST423)

Prerequisite: American History B

This course will provide students an opportunity to examine the causes related to the outbreak of World War II. Having reviewed the nature in which the war was waged and its consequences, students will identify the roots of the Cold War.

Course Fee: None

Grade: 10

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

American History D (SST424)

Prerequisite: American History C

In this course, students will examine the motivation and goals associated with the civil rights movement of the 1950s and 1960s. They will then analyze causes and outcomes of the Vietnam War as well as the roots of social change embodied by the counter-culture movement and the conservative era. The course will conclude with a review of contemporary history and culture.

Course Fee: None

Grade: 10

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

American Government (SST447)

Prerequisite: American History A, B, C, and D

This course is an examination of the foundation and framework of the American governmental system. Content includes a study of the three branches of the government and a look at the rights and responsibilities of American citizens. The primary goal is to get students involved in the political process.

Course Fee: None

Grade: 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes: Required for Graduation

Psychology (SST451)

Prerequisite: None

This course is designed to provide students a survey of psychology that will be personally interesting and useful to individual students. Anyone interested in the human mind and how it works will find this course interesting. Topics will include I.Q., personality, para-psychology, hypnosis, learning, and conditioning among others.

Course Fee: None

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Sociology (SST452)

Prerequisite: None

This course is intended to help the student understand society and social behavior and is strongly recommended for students interested in the legal, social work, law enforcement, medical, or education fields. Topics include social change, values, personality development, family, domestic violence, peer groups, mass media, dating, teenage problems, deviance, crime, suicide, social class, poverty, race, violence, religion, economy, politics, science, sports, and communication skills.

Course Fee: None

Grade: 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Civil War History (SST453)

Prerequisite: American History A and B

This course is intended to present a background in the causes and effects of the American Civil War, as well as the conflict itself and the social, political, and economic ramifications of the war.

Course Fee: None

Grade: 10, 11, 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

Economics (SST454)

Prerequisite: None

This course is designed to provide a general survey of basic American economic theory, an overview of the various economic systems of the world, and a comparison of world cultures and their relationship to economics. Topics include macroeconomics, microeconomics, supply and demand, demand management theory, supply side theory, and an examination of the American free enterprise system.

Course Fee: None

Grade: 11 & 12

Credit: 1/2 credit

Length: 1 Trimester

Special Notes:

AP Government A (SST491)**Prerequisite:** Permission of instructor

This is a challenging political science course, designed to be equivalent to a freshmen college course of similar content. The basic American system of government will be examined. Topics covered will include political power, democracy, the Constitution, and the Bill of Rights.

Course Fee: None**Grade:** 12**Credit:** 1/2 credit**Length:** 1 Trimester**Special Notes:****AP Government B (SST492)****Prerequisite:** AP Government A

This course is a continuation of AP Government and will include an in depth study of topics such as The Presidency, the Bureacracy, and the Court System. In addition, Supreme Court cases will be studied and other writings will be required.

Course Fee: \$50.00**Grade:** 12**Credit:** 1/2 credit**Length:** 1 Trimester**Special Notes:** College credit can be received for proficiency on the AP Exam. Fee will cover the cost of the AP exam.

EDUCATIONAL OPTIONS

Intervention 1st Trimester (EDO100)

This course will allow time for students to receive help with assignments and to develop study and organizational skills.

Course Fee: none

Grade:

Credit: 1/4 credit

Length: 1 Trimester

Special Notes:

Intervention 2nd Trimester (EDO200)

This course will allow time for students to receive help with assignments and to develop study and organizational skills.

Course Fee: none

Grade:

Credit: 1/4 credit

Length: 1 Trimester

Special Notes:

Intervention 3rd Trimester (EDO300)

This course will allow time for students to receive help with assignments and to develop study and organizational skills.

Course Fee: none

Grade:

Credit: 1/4 credit

Length: 1 Trimester

Special Notes:

Office Worker (EDO450)

Students in this course will spend one period working in the office (Guidance, Attendance, or Front), learning various managerial, organizational, and interpersonal skills.

Course Fee: none

Grade:

Credit: 1/4 credit

Length: 1 Trimester

Special Notes:

Media Center Worker (EDO460)

Students in this course will spend one period working in the media center, learning various managerial, organizational, and interpersonal skills.

Course Fee: none

Grade:

Credit: 1/4 credit

Length: 1 Trimester

Special Notes:

Weightlifting 1st Trimester (EDO501)

This course is designed to develop the student athlete, incorporating weightlifting, speed, and agility drills.

Course Fee: none

Grade:

Credit: 1/4 credit

Length: 1 Trimester

Special Notes:

Weightlifting 2nd Trimester (EDO502)

This course is designed to develop the student athlete, incorporating weightlifting, speed, and agility drills.

Course Fee: none

Grade:

Credit: 1/4 credit

Length: 1 Trimester

Special Notes:

Weightlifting 3rd Trimester (EDO503)

This course is designed to develop the student athlete, incorporating weightlifting, speed, and agility drills.

Course Fee: none

Grade:

Credit: 1/4 credit

Length: 1 Trimester

Special Notes:

Peer Tutor (EDO600)

This course is in place for students interested in tutoring other students during one period of the day. Activities may include assisting teachers, helping with homework, and tutoring after school.

Course Fee: none

Grade:

Credit: 1/4 credit

Length: 1 Trimester

Special Notes:

Teacher Assistant (EDO700)

This course is intended for members of Future Teachers of America (FTA). Students will be assigned one period during one trimester to assist a teacher -- possibly in another building.

Course Fee: none

Grade:

Credit: 1/4 credit

Length: 1 Trimester

Special Notes:

Please note: students may only take ONE Educational Options course per trimester with a maximum of three per year.

In addition, students may take only one of the following courses per year: Office Worker, Media Center Worker, Peer Tutor, and Teacher Assistant

