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# HIGH SCHOOL GRADUATION REQUIREMENTS

## CRESTVIEW HIGH SCHOOL
## *MINIMUM* GRADUATION REQUIREMENTS

**21 REQUIRED CREDITS**

COURSES: The following courses must be successfully completed by Crestview High School students:

| | 2011-2013 | 2014 and Beyond |
|---|---|---|
| Electives | 6 Credits | 5 Credits |
| English | 4 Credits | 4 Credits |
| Mathematics | 3 Credits | 4 Credits |
| Social Studies | 3 Credits | 3 Credits |
| Science (at least l Physical and 1 Biological Science) | 3 Credits | 3 Credits |
| Business/Technology, Fine Arts, or Foreign Language | 1 Credit | 1 Credit |
| Health | ½ Credit | ½ Credit |
| Physical Education | ½ Credit | ½ Credit |

### NOTE TO PARENTS AND STUDENTS REGARDING GRADUATION REQUIREMENTS

The student has the responsibility to see that requirements for graduation are met. The high school personnel make every effort to keep current records and to keep students and parents informed about the student's progress toward completing the work necessary to meet these requirements. The student, however, must make sure that he or she is acquainted with the necessary requirements to meet this goal. This task is ultimately the student's responsibility. All students must pass all parts of the Ohio Graduation Test to graduate, including: Reading, Math, Writing, Science, and Social Studies. All graduation requirements must be completed prior to graduation. Please note that graduation requirements are minimum requirements. Most students will have earned more than the minimum credits by the end of their senior year.

## OHIO'S STATEWIDE HIGH SCHOOL GRADUATION TEST

The Ohio Graduation Test (OGT) consists of Reading, Math, Writing, Science, and Social Studies. All students are required to pass all five tests to graduate. Students will be administered these tests for the first time in March of their sophomore year. Students who do not pass all five tests the first time will be able to take the test(s) that they have failed again in October of their junior year. They will continue to take any failed test(s) until they have successfully passed all five tests or until they have exhausted the number of times permitted to take the test.

# CLASS STANDING

The class standing of students is currently determined as follows:

| | | |
|---|---|---|
| 9th Grade | Freshman | Fewer than 5 credits |
| 10th Grade | Sophomore | 5 - 9 credits |
| 11th Grade | Junior | 10 - 14 credits |
| 12th Grade | Senior | 15 credits (minimum) |

# CREDIT FLEXIBILITY

Credit Flexibility applies to any alternative coursework, assessment and/or performance that demonstrate proficiency qualified to be awarded equivalent graduation credit as applied for and approved in advance by the school district. Approved credit awarded through this policy will be reflected on the student's transcript and counted toward student grade point average, class rank, and as graduation credit in the related subject area or as an elective. Credit Flexibility policy will be posted on the district website and in the student handbook.

Application: Any student may apply for credit to be awarded through Credit Flexibility. The student will submit an application on the *Application for Credit Flexibility Form*, located in the Guidance Office. All required information must be provided. The student may be required to provide supporting documentation as determined by the Counselor and/or Principal. Application must be received by May 1 and/or December 1 to be considered for approval by the Credit Flexibility Panel.

# AWARD OF MERIT

The requirements listed below have been adopted for the "Award of Merit." This certificate will be awarded by the State Board of Education to all those who meet the criteria specified in **A and C or B and C below.**

***A. College Prep Requirements*** **-** complete the following requirements

1. English - 4 units (May include 1 unit of fundamentals of speech.)
2. Mathematics - 3 units (Must include 1 unit of algebra and 1 unit of geometry.)
3. Science - 3 units (Must include 2 units from among biology, chemistry and physics.)
4. Social Studies - 3 units (Must include 2 units of history and ½ unit of civics or Government.)
5. Foreign Language - 3 units (3 units of one language or 2 units each of two languages.)
6. Complete 2 units from one or more of the following, or 2 additional units from one or more of the areas listed in A.1 through A.5 above.
   a. Business
   b. Computer Science
   c. Visual or Performing Arts

***B. Career-Technical Curriculum Requirements***

1. Complete a career technical occupational preparation program
2. Complete the following curriculum requirements
   a. English - 4 units
   b. Mathematics - 3 units
   c. Science - 3 units
   d. Social Studies - 3 units

   Applied academic credits earned via Career Technical Education shall apply to the criteria for the "Award of Merit".
3. Complete two units from one or more of the following, or two additional units from one or more of the areas listed in B.2 above.
   a. Business
   b. Computer Science
   c. Foreign Language
   d. Visual or Performing Arts

***C. Performance Criteria (applies to both curricula)***

1. Maintain above average attendance for grades nine through twelve (compared to a rolling four-year state average). For 2010, the four-year state average is 94.17 percent attendance.
2. Demonstrate outstanding achievement in the curriculum as evidenced by earning one of the following: the equivalent of an overall grade point average of 3.25 on a four point scale for grades nine through twelve; earning the equivalent of an overall grade point average of 3.5 on a four point scale for grades eleven and twelve; or ranking in the top 25 percent of the class, whichever is more inclusive.
3. Participate in co-curricular, extracurricular or community activities in accordance with procedures established by the district board of education.
4. Demonstrate outstanding citizenship/character traits in accordance with criteria established by the district board of education.

# DIPLOMA WITH HONORS

## CRESTVIEW HIGH SCHOOL STUDENTS

To receive a Diploma with Honors the student who attends Crestview High School must complete the college preparatory curriculum in high school and meet seven of the following eight criteria for the Class of 2011 and beyond:

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 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 test'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).

# DIPLOMA WITH HONORS

## PIONEER CAREER AND TECHNOLOGY CENTER STUDENTS

To receive a Diploma with Honors the student who attends Pioneer Career and Technology Center must complete an intensive career-technical education curriculum and must meet seven of the following eight criteria for the Class of 2011 and beyond:

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 of 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.
7. Maintain an overall high school grade point average 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 or 1210 on the college board's SAT verbal and mathematics sections (excluding the score obtained on the required writing section).

# RECOMMENDED COLLEGE PREPARATORY PROGRAM

Students who plan to attend a four-year college should strongly consider the following college preparatory course work:

| | | |
|---|---|---|
| English | 4 credits | English 9,10,11,12 |
| Mathematics | 4 credits | Algebra I, Algebra II, Geometry, Pre-Calculus, Calculus (Algebra I taken at 8th grade level counts at most colleges for admission purposes) |
| Science | 4 credits | Physical Science, Biology I, Chemistry, Anatomy and Physiology, Physics |
| Social Studies | 4 credits | World History, American History, Political Thought, American Government |
| Foreign Language | 3 or 4 credits | 2 years of 2 languages or 3 years of 1 language |
| Visual/Performing Arts | 1 credit | choir, band, art |

These courses may not be required by all colleges; however, they are highly recommended by all colleges. Many state universities do require this type of course work for "unconditional" acceptance. If a student has deficiencies in these recommended high school courses, he/she may have to take college courses at his/her own expense that do not count toward the college degree. Moreover, the above recommended course work will help to prepare a student for standardized testing and college admissions testing. Students considering specialized courses of study should check the pre-requisites for admission to these particular fields. For example, nursing programs require chemistry, algebra I, and usually four credits of English as a minimum for admission. Engineering programs usually require four credits of English, science (through physics), and math (through calculus).

# OHIO HIGH SCHOOL ATHLETIC ASSOCIATION

The Ohio High School Athletic Association and Crestview High School require that a student be currently enrolled in a minimum of five one credit courses, or the equivalent, and have passed the same in the immediately preceding grading period to be eligible for athletic participation. Semester and yearly grades have no effect on eligibility.

# RECOMMENDED
# PIONEER CTC SCHOOL PROGRAM

The 35 educational programs at PCTC are designed to prepare students for entry into various occupations and/or to prepare students for specialized post-secondary education/training. Eleventh and twelfth grade students are eligible to attend PCTC. Each student must complete an application form, secure parental permission, and obtain the approval of the Guidance Department before admission to PCTC. Admission will be determined on the basis of the applicant's achievement, interest, and physical condition. Students who attend Pioneer are eligible to participate in all extra-curricular activities at Crestview. Pioneer students graduate from Crestview High School.

Pioneer students are eligible to attend 2-year technical college and many 4-year colleges after graduation.

It is strongly recommended that the Crestview student should have completed all of the following 9 credits of required course work at Crestview High School during the 9th and 10th grades before application to PCTC. Students may earn a maximum of 14 credits at Pioneer.

**PIONEER CAREER AND TECHNOLOGY PROGRAM ENTRANCE REQUIREMENTS**

| | |
|---|---|
| English | 2 Credits |
| Mathematics | 2 Credit |
| Social Studies | 2 Credits |
| Science | 2 Credits |
| Health | ½ Credit |
| Physical Education | ½ Credit |

Students who do not earn all of the required PCTC entrance credits may be eligible to attend PCTC, but must complete the credits prior to high school graduation. This must be coordinated through the guidance counselor.

# RECOMMENDED FOUR YEAR PIONEER CTC OUTLINE

9TH GRADE

English 9
Pre-Algebra or Algebra I*
Physical Science
World Studies
Health
Physical Education
Keyboarding*

10TH GRADE

English 10
Pre-Algebra, Algebra I or II
Biology 1
American Studies
Physical Education
Fine Arts, Foreign Language
or Business/Technology

11th GRADE

English 11
Int. Math III, Geometry, Algebra I or II
Int. Science III, Anatomy, Chemistry or Physics
Elective
Pioneer Career Technology Program

12TH GRADE

English 12
Int. Math IV, Adv. Math
or PSEO Math
Government
Elective
Pioneer Career Tech Program

* Algebra I is a required course for entrance into all Tech Prep Programs.
* Keyboarding is a required course for entrance into some PCTC programs.

# PIONEER CAREER TECHNOLOGY PROGRAMS

ENVIRONMENTAL AND AGRICULTURAL SYSTEMS
- Horticulture
- Meat Processing
- Agribusiness (Crawford County)

BUSINESS & MANAGEMENT PROGRAMS/ OCCUPATIONS
- Web Page Design/Programming (Tech Prep)
- IT Support (Tech Prep)
- High School of Business (Similar to College NOW)
- Marketing Education (Seniors Only) - Ontario High School

CONSTRUCTION TRADES PROGRAMS/ OCCUPATIONS
- Building Maintenance Trades
- Carpentry
- Home Remodeling
- Masonry Trades

INDUSTRIAL & ENGINEERING PROGRAMS/ OCCUPATIONS
- Career Based Intervention (Seniors Only)
- CADD Technician (Tech Prep)
- COLLEGE NOW-Engineering Technology
- Precision Machining Technologies
- Welding

MECHANICAL PROGRAMS/ OCCUPATIONS
- Collision Repair
- Automotive Technology (Tech Prep)
- Industrial Diesel Mechanics
- Power Equipment Mechanics

HEATLH ACADEMY
- Medical Technology (Tech Prep)
- Medical Office
- Medical/Dental Careers
- Health Assistant (Special Needs)
- Exercise Science/Sports Medicine

HUMAN SERVICE PROGRAMS/ OCCUPATIONS

- Cosmetology
- Criminal Justice (Tech Prep)
- Culinary Arts
- Facility Services (Special Needs)
- Early Childhood Education
- Hospitality (Special Needs)
- Teaching Professions (Tech Prep) At Shelby or Ontario High School

ARTS & COMMUNICATION

- Graphic Arts
- Performing Arts
- Media Communications (Tech Prep)

# TECH-PREP PROGRAM

Thirteen (13) Tech-Prep Programs are available to Crestview High School students at three different sites. These programs articulate directly to two-year associate degree programs and many of the two-year programs articulate to four-year bachelor degree programs. (Certain Tech Prep courses count for both high school credit as well as college credit.) A student is eligible for the Tech Program after completing a two year program which includes a math requirement through at least Algebra II with a "C" average or better. Students interested in exploring Tech-Prep should see the guidance counselor.

# SENIOR COOPERATIVE EDUCATION PROGRAM

Crestview offers a senior cooperative education program. This program is designed to offer the senior both required course work and supervised employment experience. More information is available through the Guidance Department.

<u>SENIOR COOPERATIVE EDUCATION PROGRAMS:</u>

- CBI
- PCTC

# POST-SECONDARY ENROLLMENT OPTIONS

The Post-secondary Enrollment Options program is available to qualified students to earn college and high school credit. Crestview High School will hold a mandatory informational meeting for parents and students before March 1, 2011. Students and their parents are required to inform the school district of intentions of participating in the program for the following academic year. The planning form must be completed (signed by the parent and the student) and returned to the school by the March 30th deadline.

The informational meeting will ensure that parents and students are fully aware of the possible risks and consequences of participation. Items to be addressed at the meeting will include:

1. Program eligibility;
2. The process for granting academic credits;
3. Financial arrangements for tuition, books, materials, and fees;
4. Criteria for any transportation aid;
5. Available support services;
6. Scheduling;
7. The consequences of failing or not completing a course which the student enrolls, and the effect of the grade attained in the course being included in the student's grade point average, if applicable;
8. The effect of program participation on the student's ability to complete the district's graduation requirements;
9. The academic and social responsibilities of students and parents under the program;
10. Athletic eligibility;
11. Information about and encouragement to use the counseling services of the college in which the student intends to enroll.

Parents and students who have any questions regarding this program should speak with Mr. Sharick, the Dean of Students.

Parents/Student:
I have attended the mandatory Post-Secondary Enrollment Options meeting and have been made aware of the risks and consequences.

_____

Parent date

_____

Student date

Present grade of student _____

# CLASS SCHEDULING PROCEDURES

Registration for courses is one of the most important parts of a student's educational experience. Care and consideration must be given to selecting the schedule that will best prepare the student for post high school - entering college, pursuing vocational training, or seeking employment.

**SCHEDULE GUIDELINES**:

1. The maximum number of classes that can be taken is 8.
2. A student may have no more than one study hall during any one semester.
3. All required courses must be taken and passed in sequence.

**COURSE SELECTIONS**:

COURSE SELECTIONS MUST BE DEFINITE! Students should consult with parents, teachers, and counselors before making final course decisions.

Selection of courses should be based upon:

1. Specific courses and numbers of credits required for graduation
2. Prior successes and failures
3. Special interests and aptitudes
4. Future college, vocational, and career plans

Selection of courses determines:

1. The number of class sections needed for a particular course
2. Whether or not a specific course will be offered
3. The final Master Schedule
4. Staffing (the number of teachers needed)
5. Textbooks (the number of texts purchased)

**SCHEDULE CHANGES**:

Schedule changes will not be made except under unusual circumstances. Such changes will be allowed during the two weeks prior to the first day of school only. After the two weeks, **any schedule change will require parental permission and administrative permission provided it meets the following reasons:**

1. Schedule conflicts or errors.
2. Educational reasons: prerequisite deficiencies, credit deficiencies, required course needed.
3. Changes required due to completion of pre-approved summer course work.
4. Scheduling opportunity: an original selection, which was unavailable, becomes available.
5. Courses may be dropped and study hall substituted during the first two weeks of school with the permission of the principal and parents.

# CRESTVIEW HIGH SCHOOL CURRICULUM

## COURSE DESCRIPTIONS

### AGRICULTURAL EDUCATION CURRICULUM

The Agricultural Education curriculum provides an opportunity for the students to experience a broad base of agriculture and an opportunity to participate in the FFA organization. All classes except Agricultural Science 100 and Ag Production CO-OP Senior are semester long. Students not enrolled in Agricultural Science 100 should enroll in a fall and a spring semester class. All students are required to have a Supervised Agricultural Experience, which will provide an additional ¼ credit per year. All students are expected to become members of the FFA and take an active role in this organization. FFA dues must also be paid during the first grading period in which a student is enrolled in agricultural education.

**Agricultural Science 100** (930) 1¼ credits full year course

Agricultural Science 100 will familiarize students with the agriculture industry. Students will develop skills that will prepare them for careers in agricultural related fields. Areas of study will include: agricultural careers, agriculture and FFA history, parliamentary procedure, FFA opportunities, SAE opportunities, public speaking, livestock breeds, livestock management, woodworking and shop and farm safety.

**Agricultural Science 200** (940) 5/8 credit semester course
pre-requisite: Ag Science 100

Agricultural Science 200 will expand on Ag Science 100. Areas of study will include soils science, concrete and masonry, public speaking, arc welding, oxyacetylene welding and cutting, shop skills, greenhouse planning, current events in agriculture, record keeping and FFA activities.

**Agricultural Production 300/400** (950) 5/8 credit semester course
pre-requisite: Ag Science 200 except for seniors

Agricultural Production 300/400 will include areas of soil and water conservation, electricity, building and construction, sales and marketing, public speaking, current events in agriculture, record keeping, crop production, agronomy, and FFA activities.

**Agricultural Communication** (951) 5/8 credit semester course
pre-requisite: Ag Science 100

Agricultural Communication will focus on preparing students for post-secondary education. Assignments will focus on speech writing, group projects, and class presentations. Students will be working on creating and maintaining a chapter web page, chapter newsletter, and development of power point presentations for agricultural sales. This course will also focus on applying for agriculturally related scholarships.

**Agricultural Welding** (958) 5/8 credit 1st semester course
Pre-requisite: Ag. Science 200

This course will focus on metal fabrication utilizing the principles or arc, mig, tig, and oxy-acetylene welding. The students will be expected to participate in the construction of projects in the second half of the course.

**Agricultural Mechanics** (955) 5/8 credit 2nd semester course
pre-requisite: Ag Science 200 or currently enrolled in Ag 200

Agricultural Mechanics will provide students an opportunity to further develop technical skills in which they are interested. Students will be required to have projects throughout the course. Projects may include metal fabrication, woodworking, small engines and machinery restoration.

**Greenhouse Production and Management** (945) 5/8 credit semester course

This course will focus on the production and marketing of annual and perennial bedding plants and hanging baskets. Students study areas of plant physiology, nutritive needs and greenhouse construction and management. The course will provide students an opportunity to spend a considerable amount of time in the greenhouse laboratory. In the greenhouse students will gain hands on experience with bedding plants and conduct experiments related to the management of plants.

**Power Equipment Repair and Maintenance** (956) 5/8 credit semester course
pre-requisite: Ag Science 200

This course will focus on small gas engines, diesel engines, machinery maintenance and lawn and garden equipment maintenance. Students will be required to have projects for hands on experience.

**Adv. Livestock Production and Nutrition** (965) 5/8 credit semester course
pre-requisite: Ag. Science 100

This course will focus on commercial livestock production. Students will study the areas of animal health, nutrition, animal reproduction systems, embryo transfer, livestock evaluation and livestock marketing. Dual enrollment through the University of Findlay is being pursued for this course.

**Agricultural Education Independent Study** (9791) 5/8 credit semester course
pre-requisite: Ag. Science 100

Agricultural Education Independent Study will be offered on an instructor's permission basis only. **This is intended as a last resort for students who wish to be enrolled in Agricultural Education but cannot otherwise fit an Agricultural Education course into their schedule.** Students enrolling in Agricultural Independent Study should realize that they will be expected to participate in all activities of the class during the period that they are scheduled.

**Agricultural Production CO-OP Senior** (9792) 3 credits full year course
Pre-requisite: Ag Science 200 and enrollment in Ag Production 300/400

In Agricultural Production CO-OP, students may be approved for an agricultural job site placement. A training plan must be completed prior to placement and the principal, instructor, and parent/guardian must grant permission for placement. Evaluation of the job site placement is done in cooperation with the employer and instructor. The student must complete a minimum of 125 hours of work each grading period. It is a privilege to be in an Agricultural Production CO-OP program, and a student can be removed if there are academic problems in other classes or if there are any behavior problems. Any student that would like to be in Agricultural Production CO-OP needs to be in at least four other classes each semester.

## ARTS CURRICULUM

**Art I** (680) 1 credit full year course

Art I is designed to introduce students to various basic art media, techniques, and methods, as well as art history, art appreciation, and criticism. The course encourages imaginative responses to specific assignments, while fostering a greater understanding of the role of art and the artist in society, past and present. The curriculum involves the study of both two and three dimensional media while utilizing varied art materials such as: paint, tempera and water color, ink, chalk, assorted papers, ceramic, etc.

**Art II** (682) 1credit full year course
pre-requisite: Art I
recommendation: Art I "C" average

Art II involves further exploration of basic art media and methods. There is a heavy emphasis on drawing, stressing different techniques and concepts (contour, gesture, sketching, directional line, pressure, value, shading, mass, etc.), and a variety of subject matter (still life, landscape, figure). Different media techniques are explored; such as, ink, charcoal, graphite, water colors, crayon, and collage. Design concepts are developed with projects in printing, ceramics, and painting. Study of art criticism, history, and appreciation is continued to develop further understanding of the role of art and the artist.

**Advanced Art I** (684) 1 credit full year course
pre-requisite: Students must have earned an "A" average in Art II and must submit a portfolio of their work for review and acceptance to the program

Advanced students will work independently on studio projects. Students may use this class to further their personal artistic abilities and to develop college portfolios.

**Advanced Art** II (686) 1 credit full year course
pre-requisite: Students must have earned an "A" average in Advanced Art I

This course will be a continuation of Advanced Art I.

**Digital and Media Arts** (688) 1 credit full year course

Digital Media Arts will focus on the basics of photography, video, and digital editing. We will explore basic animation and movie making as well as claymation. Students need to be available for some after school and evening extra curricular events. This class requires an application and the permission of the instructors. Only students who are self-directed need apply.

**Band** (982) 1 credit 5 days/week, full year course

Band is available to all students who: 1) have participated in a comprehensive band program, either here or at another school and 2) have obtained the written permission of the instructor. Students electing to participate in band MUST be aware that a certain amount of vacation and after-school time is necessary to successfully complete this course.

Band at the high school level is comprised of both marching and concert groups. Fundamental musicianship, ensemble skills, and social growth are stressed in both groups. PARTICIPATION IN BOTH MARCHING AND CONCERT BAND IS REQUIRED. (Exceptions may be made for varsity football players, due to a direct conflict in rehearsal and performance time.) Solo and Ensemble, County, and District festivals provide opportunities for band members to excel individually.

Registration in band for credit is prerequisite to jazz ensemble participation, including rhythm section personnel, and also for participation in color guard, the implementation of which will take place at the discretion on the band director.

**Choir** (987) 1 credit 5 days/week, full year course

Choir is available to all students who are committed to the task. Students must complete the required audition. This is a performance class, and daily participation is essential. Performances are scheduled throughout the school year. A wide variety of choral literature will be introduced. Students must recognize that a fair amount of after-school and out-of-school time is necessary to successfully complete this course.

**Origins of Music Theory** (988) ½ credit semester course

Origins of Music Theory is available to all students interested in the development of music over time and how it is created. Students will cover the basics in music notation, melody, rhythm, and how music is constructed. Students will learn how to read music, basic keyboard skills and knowledge, and the proper method to write, read and listen to music. Methods employed include singing, melodic and rhythmic dictation, drill and practice, composition, etc.

**Origins of Music History** (989) ½ credit semester course

Origins of Music History is available to all students interested in the development of music over time and how it is created. Students will learn and review the Basic Instrument Families (woodwind, brass, strings, and percussion) and Musical Time Periods (Medieval, Renaissance, Baroque, Classical, Romantic, Expressionistic/Impressionistic, and 20$^{th}$ Century), as well as a study of American Music such as Jazz, Broadway, Rock, and many others. Students will look at the way music affects their daily lives and culture, as well as the way a culture affects the music within it.

## BUSINESS COMMUNICATIONS CURRICULUM

**Business Design** (740) ½ credit semester course

Business Design focuses on recognizing a business opportunity, starting a business based on the recognized opportunity, and operating and maintaining that business. As entrepreneurs, students will create a product or service, write a business plan, and present their business idea as their class project.

**Basics of Law** (741) ½ credit semester course

A general knowledge of business law is useful for all students because all students will become citizens, workers and consumers and may become employed by businesses doing business in the global world. Some of the topics covered are Ethics and Law, Sources of Law, Court System Structure, Classification of Procedural and Substantive Law, and Consumer Law.

**Personal Finance Fundamentals** (743) ½ credit semester course

The American economy is based on a private enterprise system, in which the millions of individual choices made by consumers, workers, and citizens affect the decisions made by business owners and government officials. Topics to be covered include: income sources, purchasing power, financial planning, risk management, budgeting, checkbook maintenance, use of credit, and saving and investing.

**Accounting** (751) 1 credit full year course

Accounting is the language of business. It is an essential aspect of every business institution and organization. As future workers, small business owners, entrepreneurs, citizens, parents and investors, students will plan, record, analyze, and interpret financial information utilizing basic accounting principles and concepts to be better prepared to make decisions that will affect their own economic futures or those of their employers.

## COMPUTER SCIENCE CURRICULUM

**Computer Applications: Office** (279) ½ credit semester course

Do you want to control the computer software? Survive the computer applications jungle? Take charge of your computing life by joining this class. Computer Apps: Office provides a strong foundation in the use of software used for communicating at home, work, school, and college. Note: Most classes offered at Crestview High School require the use of productivity software. Taking this course will mean that YOU control the computer software and your regular class room assignments will take less time.

Students will attain beginning skills in communicating with spreadsheet (numbers), word processing, presentation, and publication software. Some of the programs used are: MS Word, MS Excel, and MS Power Point. Students will apply their knowledge by working through a variety of activities to produce finished products by using individual and multiple programs depending upon the project. Students will learn safe computing practices, how to save to a network, and how to create many different fun student designed projects.

**Computer Applications: Graphics and Web Design** (280) ½ credit semester course

Have you ever wanted to see your own work on the web? Do you want to learn how websites are designed and created? Graphics and Web Design will teach you how to use the tools necessary to get on the web.

Computer Apps: Graphics and Web Design will focus on the use of graphics applications and web design tools to create visually appealing web sites. There will be a strong graphic design element, in addition to the technical elements of creating a web page. Photoshop Elements and Microsoft Expression Web will be the tools of choice for this course. Juniors, Seniors, and students who have taken Computer Apps: Office get preferred placement in this course.

**Computer Applications: Programming Concepts through Games and Robotics** (281) ½ credit semester course

Have you ever wondered what it takes to make a game? Have you ever wondered how robots are programmed to perform their tasks? This course will help you understand the basics of game design and robotics design, while also allowing you to create the logical programming steps to make your creations function.

Computer Apps: Programming Concepts through Games and Robotics will teach game design technology and implementation. We will build working games that begin with basic 2D games and will move to more complex 3D environments. We will also use these concepts to work with basic robotics using the Lego Mindstorms NXT robotics platform. This will be a fun and exciting course, but it will also be very technical and challenging. This course requires a C+ or better in math, a 2.5 GPA, an application and approval from Mr. Davidson.

**Computer Applications: 3D Animation** (284) ½ Credit semester course

Did you love Toy Story, Wall-E and Tron: Legacy? Would you like to learn more about how to create your own 3D animations? Take a step into the world of animation and special effects with this course.
Computer Apps: 3D Animation begins with a focus on traditional 2D animation, and moves into animation using new tools on the computer to build environments and models in 3D. Juniors, Seniors, and students who have taken Computer Apps: Graphics and Web Design get preferred placement in this course.

**Video Production:** (285) 1 credit full year course

Students in this course will learn video production from live broadcasting to video editing. The course will cover media literacy and how the media impacts daily life. This class will focus on team building. Video Production requires an application and permission from the instructor.

**Yearbook: Independent Study** (286) 1 credit full year course

Do you want to photograph events? Publish and market the High School yearbook? Communicate with the public? Work independently? Take responsibility? Run a small business? Yearbook is for you. Students will learn to use the digital camera, photograph events, select, modify and upload photos, write copy, and finally, design and create a completed yearbook over the internet.
To accomplish this, students are required to complete the following tasks: Attend class production meetings, production planning goals (student assignments) will be determined during these meetings. The frequency of the production meetings will be on an as needed basis. Assignments are completed during non school hours. Required assignments include selling yearbook business ads and working on other fundraisers to acquire the funds to lower the cost of the yearbook to all students. Students are expected to discuss ideas, photo shoots, marketing, production planning in a fun and thoughtful manner. Final approval of all pages, activities, and planning events rests with the instructor.

## ENGLISH CURRICULUM

**English 9** (030) 1 credit full year course

English 9 is the study of grammar, mechanics, and structure. Students will study the writing process, writing conventions, and vocabulary development throughout the year. During the course, students will demonstrate their ability to draft, edit, and publish the various types of writing applications. Students taking this course will be required to study thematic units in order to make connections between literature and life. In addition, students will build on existing reading comprehension skills and further their ability to analyze and evaluate fiction and nonfiction texts. Students will utilize writing to respond to literature. Each student will be expected to incorporate the skills learned in this course into his/her writing

**English 10** (040) 1 credit full year course

English 10 is a comprehensive course designed to prepare students for the requirements of upper-level high school English courses. This course includes comprehensive study of American literature and authors in an effort to develop an appreciation for American literature and culture. Students will demonstrate knowledge of the literary elements, creative expression, and organizational skill through writing assignments and various class activities such as speeches, presentations, essays, and literary analysis, etc. Students will study and analyze one to two significant American novels and/or plays. Additionally, this course will include an extended study of grammar, mechanics and structure, as well as an in-depth study of the writing process and vocabulary development. The student will be asked to incorporate the skills learned in this course into his/her writing. In an attempt to have the student demonstrate his/her knowledge, the student will complete one formally typed essay or report for each of the four types of writing, which will include the study and use of proper MLA Citation.

**British Literature 11** (050) 1 credit full year course

This course is a comprehensive study of British literature and authors in an effort to develop an appreciation for British literature and culture and how it relates to our American society. Students will be exposed to several types of writing such as poetry, novels, plays, and short stories. Students will be responsible for knowing and utilizing the MLA style of writing and will express their understanding through the writing of research assignments.

**World Literature 12** (060) 1 credit full year course

This comprehensive course is designed to review material taught in four years of high school English and to teach current twelfth grade indicators. This course explores literature of the world. It focuses on authors and their works through a wide period of time and space. The lessons are designed to introduce students to not only literature but the essentials needed in post-secondary life. It will give college-bound students an introduction to the work expected of them at the collegiate level and will give all students skills necessary for their entrance into the work force of their choosing. Students must comfortably have the ability to write using the MLA format while researching and writing for this class.

**Advanced English 9** (031) 1 credit full year course

Requirements: Two of the three criteria must be met:

1. Must have a semester grade average of an "A" or "B" in eighth grade Language Arts
2. Must have scored accelerated or above on the seventh grade Ohio Achievement Test
3. Teacher recommendation and signature required

This is an honors program for qualified freshmen who intend to pursue post secondary education. This course is vertically aligned with the Advanced English 10, Advanced English 11, and the Advanced Placement Literature and Composition course, which students are encouraged to take their senior year.

Students enrolled in this program will cover differentiated and/or supplemental material, focusing on content at an accelerated level and pace. Additional activities may include but are not limited to: literature circles, individual and group class projects, creative presentations, class discussions and independent reading assignments to be completed outside of class. The focus of this course is to introduce and acquire the analytical skills students will build on during Advanced English 10, Advanced English 11, and Advanced Placement Literature and Composition. Students are expected to actively participate in class on a daily basis.
**A fee for additional novels may be charged.**

**Advanced English 10** (041) 1 credit full year course

Requirements: For placement in Advanced 10 a student must meet the following requirements:

1. A semester average of an "A" or a "B" in Advanced 9
2. Positive work habits, attitudes and abilities
3. Teacher recommendation and signature required

This is an honors program for qualified sophomores who intend to pursue post secondary education. This course is vertically aligned with the Advanced English 11, and the Advanced Placement Literature and Composition course, which students are encouraged to take their senior year.

Students enrolled in this program will cover differentiated and/or supplemental material, focusing on content at an accelerated level. The primary focus will be the analysis of literature, poetry and prose, and drama, through class discussion and analytical essays. Additional activities may include, but are not limited to: literature circles, individual and group projects, creative presentations, and independent reading assignments completed outside of scheduled class time.

A required summer reading assignment will be assigned at the end of Advanced English 9 and Literature 9 for those students enrolling in Advanced English 10 the following school year. It is the student's responsibility to obtain the summer reading assignment from the instructor, acquire the supplemental texts, and complete the assignments. Students are expected to complete the summer reading assignment and to come prepared to discuss and be assessed the first two weeks of their Advanced English 10 class.
**A fee for additional novels may be charged.**

**Advanced English 11** (051) 1 credit full year course

Requirements: For placement in Advanced 11 a student must meet the following requirements:

1. A semester average of an "A" or a "B" in Advanced 10
2. Positive work habits, attitudes and abilities
3. Teacher recommendation and signature required

This honors program is designed for qualified juniors who intend to pursue post secondary education. This course is vertically aligned with the preceding Advanced 9 and 10 courses as well as the Advanced Placement English course, which students are encouraged to take their senior year.

Students enrolled in this program will cover differentiated and/or supplemental material, focusing on content at an accelerated level. The primary focus will be the analysis of literature, both poetry and prose, through class discussion and analytical essays. Additional activities may include, but are not limited to: literature circles, individual and group class projects, creative presentations, and independent reading assignments completed outside of scheduled class time.

A required summer reading assignment will be assigned at the end of Advanced English 10 and American Literature 10 for students enrolling in Advanced English 11 the following school year. It is the student's responsibility to obtain the summer reading assignment from the instructor, to obtain the supplemental tests, and to complete the assignment. Students are expected to complete the summer reading assignment and to come prepared to discuss, analyze, and be assessed during the first two weeks of their Advanced English 11 class.

**Advanced Placement English 12** (061) 1 credit full year course

Requirements:

1. "A/B" average in Advanced English 11
2. Teacher permission
3. Student/Parent signature at the end of Advanced English 11 showing awareness of AP English class requirements/syllabus

AP Literature and Composition engages students in the careful reading of literary works. Through such study, they sharpen their awareness of language and the writer's craft, and develop critical standards. According to the College Board's *English Literature Course Description* (May, 2008), "the examination tests the student's ability to read selected poems and prose passages analytically and to write critical or analytical essays based on poems, prose passages, and complete novels." Recognizing the objectives of the tests, students will do the following:

1. analyze (i.e. read on *two* levels - literal and figurative versus memorize or point out information)
2. recognize how language works structurally and stylistically
3. interpret theme(s) within a work and identify/analyze specific literary elements
4. reflect on the work's representation of historical and social values, as well as its current relevance
5. provide ample practice for the mastery of writing skills
6. experience the rigorous and laborious demands of college work.

A required summer reading assignment will be assigned at the end of Advanced English 11 for students enrolling in Advanced Placement English 12 the following school year. It is the student's responsibility to obtain the summer reading assignment from the instructor, to obtain the supplemental texts, and to complete the assignment. Students are expected to complete the summer reading assignment and to come prepared to discuss, analyze, and be assessed during the first two weeks of their Advanced Placement English 12.

A student may choose to take the Advanced Placement Exam in Literature which awards college credit depending on a student's score and individual college's admission policy.

## FAMILY AND CONSUMER SCIENCES CURRICULUM

**Nutrition and Wellness** (550) 5/8 credit semester course

Develop an understanding of basic nutrition and how it fits into your fast food lifestyle. This lab class consists of a broad spectrum of topics including purchasing and storage of food, safety and sanitation, label reading, and weight management. A study of food groups and various cooking/baking methods will also be included. The course includes one and two-day laboratory practices in basic food preparation.
Recommended Grades: 9-12

**Child Development** (551) 5/8 credit semester course

Identify skills for building healthy families where children thrive. Areas of study include reproduction, prenatal development, birth and meeting the developing needs of children. Discussion based course includes hands-on experience working with children in a classroom setting.
Recommended: Grades 10-12

**Healthy Living** (558) 5/8 credit semester course

Incorporate food, fun and fitness into your life. Students will get their bodies moving on a regular basis by participating in Tae Bo and aerobics. Basic nutrition principles along with a host of other topics will also be addressed in this class.
Recommended: Grades 9-12

**Personal Finance** (553) 5/8 credit semester course

Learn to make the most of your money. Money management is a key focus and includes evaluating financial institutions, budgeting, checking and saving account management, credit, investments (stocks, mutual funds and exchange traded funds), income taxes, retirement options and the pros and cons of insurance.
Recommended: Grades 11-12

**Personal Finance w/Stock Market Game** (559) 5/8 credit semester course

Take a ride on Wall Street as you master the skills for successful investing. Diversification, price fluctuation and market rotation are just a few of the topics discussed as we examine the fundamentals behind stocks, bonds and mutual funds. Manage a $100,000 portfolio in the Stock Market Game as you compete against other students in this hands-on class.
Recommended: Grades 10-12

**Career Search** (557) 5/8 credit semester course

Discover your own interests, skills and aptitudes through career exploration. Students will use the Ohio Career Information System to design an individualized academic and career plan. Areas of study will include various interest inventories, career research; resume development, job shadowing, interview skills and an academic plan to help you get to where you are going in life.
Recommended: Grades 10-11

**College Life Skills** (560) 5/8 credit 1st semester course

Explore what it takes to get into college and what to expect once you get there. College selections, applications, financial aid, scholarships, grant/loans, campus life, nutrition and survival skills will be discussed. In addition to college planning, ACT/SAT preparation is included.
Recommended: Grades 11-12

**Sewing and Needle Crafts** (554) 5/8 credit 2nd semester course

Address sewing fundamentals through the completion of small projects. Sewing experience is helpful, but not necessary. Project expense: $30.
Recommended: Grades 9-12

## FOREIGN LANGUAGE CURRICULUM

## SPANISH LANGUAGE CURRICULUM

**Spanish I** (430) 1 credit full year course
recommendation: "C" average or better in English

Spanish I is an introduction to the Spanish language employing the four basic skills: listening, speaking, reading, and writing. The student will be introduced to various facets of life in Spanish-speaking countries. Audio discs are used to introduce students to the native speaker as they communicate regarding real life situations. Cultural highlights include the United States, Mexico, and the Caribbean.

**Spanish II** (440) 1 credit full year course
pre-requisite: Spanish I
recommendation: "C" average or better in Spanish I

In Spanish II students continue to develop their listening, speaking, reading, and writing skills. Using expanded grammatical structures, the students will function in the language to improve their communication skills. Cultural awareness is stressed through the study of traditions and the similarities and differences of the home and target cultures. A cultural focus is placed on Spain and Mexico.

**Spanish III** (450) 1 credit full year course
pre-requisite: Spanish II
recommendation: "C" average or better in Spanish II

Spanish III provides a review of basic grammatical and conversational patterns and vocabulary before expanding to include more advanced grammatical structures and vocabulary to help the student reach greater mastery. Self-expression, both written and spoken, will be emphasized. Cultural study will be done related to artists, authors, and important historical figures with an emphasis on Central and South America.

**Spanish IV** (460) 1 credit full year course
pre-requisite: Spanish III
recommendation: "C" average or better in Spanish III

Spanish IV includes a thorough review of grammatical structures learned at earlier levels together with continued emphasis on vocabulary expansion and conversation skills. The course incorporates some works from literature as well as a study of current social issues and history of the Hispanic world.

**Alternative Foreign Language**
Alternative foreign language courses are offered based upon interest and availability of courses and/or facilitation of courses. Credit varies.

## HEALTH AND PHYSICAL EDUCATION CURRICULUM

**Health** (832) ½ credit semester course
9th grade requirement

Health at Crestview High School will include the following areas: personal health, mental and emotional health, mental disorders, healthy and unhealthy relations, decision making process and healthy choices, sexuality and current sexual issues, various abuses in relationships, O.T.C. drugs and substance abuse, tobacco use and alcohol abuse. These areas will be discussed on how they effect us as individuals, as family, and on a community level.

**Physical Education 9 & 10** (830) ¼ credit semester course
9th and 10th grade requirement

Physical Education at Crestview High School has a two part focus. The first focus is strengthening our body. The second focus is increasing physical fitness through various aerobic experiences and agility maneuvers. Students will also experience various team activities and recreational experiences.

**Personal Fitness I & II** (850 & 860) ¼ credit semester course
pre-requisite: 11th or 12th grade status

This course is an advanced fitness class designed for juniors and seniors wishing to increase their strength and conditioning. This class requires lifting four days a week and cardiovascular conditioning each day of class.

## INDUSTRIAL TECHNOLOGY CURRICULUM

**Wood Technology** (630) 1 credit full year course

This course is designed as an introduction to the wood industry for students in the 9th through 12th grades. Emphasis will be placed on safety, reading plans, and getting acquainted with wood working tools and machines. Students will be required to build 3 projects made from a variety of woods with the aid of drawings and plans. Students are responsible for planning their 3rd project idea. Project ideas will be approved by the teacher and kept to a minimum (No Entertainment Centers for first year students). Students will be encouraged to finish all final projects in order to be better prepared for more advanced projects in Advanced Woods I and II classes. This is a lab course where safety glasses will be used. Students can purchase their own to leave in the classroom. **All students must pay for all materials being used in their final projects.**

**Metal Technology** (640) 1 credit full year course

This course is designed as an introduction to the metals industry for students in the 9th through 12th grades. The student will learn how different metals are produced and the different occupations that work in the metals industry. Emphasis is made to show what skills are necessary to work in these areas. The course develops in the student an understanding of the terminology of metalworking, production methods, machining processes, and heat treatment processes used in the metal working industry. This course should help students interested in vocational school which use metals and metal working equipment. **Some materials must be purchased for projects, such as the construction of a tool box for $10.00.** Safety goggles are needed but their purchase is optional.

**Advanced Wood Technology** I (650) 1 credit full year course
pre-requisites: Wood Technology, 10th, 11th, or 12th Grade Status

Advanced Wood Technology I is presented to allow students to expand on skills begun in previous Wood classes. Specific emphasis is placed on learning by planning, designing, and constructing projects. This course will allow students to build that bigger project in their budget and work at a productive pace. Students are responsible for planning their project idea. A materials list will be developed or copied from a magazine or website. Good work habits are recommended. **All students must pay for all necessary materials being used in their final projects.** If time permits students are encouraged to take advantage of their resources and make as many projects as possible.

**Advanced Wood Technology II** (660) 1 credit full year course
pre-requisites: 11th or 12th grade status, must have earned an "A" all year in Advanced Woods I and completed project, teacher signature

Advanced Wood Technology II allows the student to further develop the skills learned in Advanced Wood Technology I through the planning, designing, and construction of more complex projects. The purchase of goggles is optional, **but students must pay for the materials for all construction projects.** Students will construct a project of hardwood, with three different kinds of jointery, raised panels and a hand cut dovetail. The project can be designed by the student or from pre-designed plans.

**Modern Technical Drawing I** (670) 1 credit full year course

Modern Technical Drawing I is a study of the use of drawing tools and the techniques of graphic communication in industry. The basic activities include such areas as the use of tools, sketching, multi-view drawing, dimensioning, pictorial drawing, sectioning, auxiliary views, and beginning architectural areas of drawing. Most of the class time will be spent working on drawing with each person expected to work at his/her own pace. This course should be helpful to students interested in vocational training, as well as, those interested in engineering and architectural careers after high school.

**Modern Technical Drawing II** (671) 1 credit full year course

Modern Technical Drawing II builds on skills and techniques used in Modern Technical Drawing I. Emphasis is placed on architectural drawings. In addition to developing floor plans, elevation drawings, etc., students will gain knowledge of standard building materials and the legal aspects of building.

**Home Repair and Maintenance** (673) ½ credit semester course

This is a valuable, hands-on, practical course for anyone who plans to own or rent a home. Students study the maintenance, repair and upkeep of the home and products associated with the home.

# MATH CURRICULUM

**Pre Algebra** (220) 1 credit full year course

Pre Algebra serves as an introductory math course intended to prepare students for Algebra I. This course is also designed for the student who requires additional preparation for the mathematics portion of the Ohio Graduation Test. Such topics as data analysis, operations on integers, probability, fractions, equations, and plane geometry are covered.

**Algebra I** (230) 1 credit full year course

For incoming freshman, 2 out of the 3 criteria must be met to take Algebra I

1. Must have a semester grade average of an "A" or "B" in eighth grade math
2. Must have scored accelerated or above on the 7th grade Ohio Achievement Test
3. Teacher must recommend

Algebra I provides a complete development of the real number system. Through the use of symbols and logical thinking, students should realize the power of the equation. The aim is to develop faster ways for solving problems through better comprehension of what problems involve. Emphasis should be placed on practical application once basic concepts are studied. Graphing topics will also be studied. A "C" average in Algebra I is a prerequisite for all Tech Prep Programs at Pioneer CTC.

**Algebra II** (235) 1 credit full year course
Pre-requisite: Algebra I

In this second year of Algebra the student will continue the study of fundamental skills to Algebra. It extends the introduction and understanding of basic Algebra and Geometry concepts. The course covers such topics as properties of real numbers, exponents and radicals, linear and quadratic functions, algebraic expressions, logarithms, trigonometry, and complex numbers. A continuation of preparation for the Ohio Graduation Test is also included. A "C" average in Algebra II is a prerequisite for all Tech Prep Programs at Pioneer CTC.
*Note: Not available to students who have credit for Algebra II Enriched.*

**Algebra II Enriched** (250) 1 credit full year course
pre-requisite: "B" average minimum in Algebra I

Algebra II Enriched reviews and extends many topics covered in Algebra I, deepening the student's understanding of the use of variables and his insight into more intricate problems. This accelerated pace course involves solving linear and more advanced quadratic equations, properties of real numbers, and exponents and radicals. In addition, new ideas such as logarithms, conic sections, trigonometry, matrices and complex numbers are included.
*Note: Not available to students who have credit for Algebra II.*

**Geometry** (240) 1 credit full year course
pre-requisite: Algebra II or Algebra II Enriched

Geometry is an integrated course of both solid and plane geometry emphasizing inductive and deductive reasoning. It familiarizes the student with relationships between lines, planes, angles, characteristics of polygons in general, and, in particular, triangles, rectangles, squares, and trapezoids through proofs and related exercises. Analytical geometry topics will also be studied. Geometry shows the student methods of logical reasoning as they pertain to mathematical concepts.

**Pre-Calculus** (260) 1 credit full year course
pre-requisite: Algebra II or Algebra II Enriched and Geometry minimum "C" average

Pre-Calculus unifies the previous secondary mathematics courses. Concepts and operations from algebra and geometry are reviewed and studied in greater depth and more abstractly. New concepts in trigonometry, analytic geometry, probability, and mathematical analysis are introduced. Pre-Calculus unifies the student's concept of mathematics and provides preparation for college mathematics. This course is designed for the truly competent and earnest math students.

**Calculus** (270) 1 credit full year course
pre-requisite: Pre-Calculus minimum "C" average

Calculus is intended for the high-achieving college-bound student who has plans on taking Calculus courses in college. The course topics will be a Pre-Calculus review, limits and continuity, finding derivatives, applications of derivatives, evaluating integrals, applications of integrals, transcendental functions, and techniques of integration. Calculus is designed to cover material equivalent to what is covered in a college Calculus I course and a portion of the college Calculus II course.

**Advanced Calculus** (271) 1 credit full year course
pre-requisite: Calculus minimum "C" average

Advanced Calculus is an independent study course intended for the high-achieving college bound student who has taken Calculus before his or her senior year. Topics covered in this course will be decided upon by the students and the teacher to expand upon and enhance the students' mathematics education. The topics may include, but are not limited to, advanced differentiation and integration techniques, differential equations, infinite series, vectors, and multi-variable calculus. Other topics may include propositional calculus, linear algebra, and analysis.

MATHEMATICS FLOWCHART

| 9th grade | 10th grade | 11th grade | 12th grade |
|---|---|---|---|
| Pre Algebra | Algebra I | Algebra II<br>Algebra II Enriched | Geometry |
| Algebra I | Algebra II<br>Algebra II Enriched | Geometry | Pre-Calculus |
| Algebra II<br>Algebra II Enriched | Geometry | Pre-Calculus | Calculus |
| Geometry | Pre-Calculus | Calculus | Advanced Calculus |

## SCIENCE CURRICULUM

**Physical Science** (331) 1 credit full year course
Grade 9
Physical Science is a three-unit course with inquiry-based laboratory experience that engages students in asking valid scientific questions and gathering and analyzing information.
This course introduces students to key concepts and theories that provide a foundation for further study in other sciences and advanced science disciplines. Physical Science comprises the systematic study of the physical world, as related to chemistry, physics and earth/space science.

**Honors Physical Science** (333) 1 credit full year course
Grade 9
pre-requisite: 80th percentile or above on EXPLORE assessment, concurrent enrollment in Algebra I or higher, "A-" or higher in previous science course, and teacher recommendation

The content of this course includes an introduction of physics (motion, forces, and energy) and to chemistry (properties and interaction of matter). It is recommended for the student with a strong background and/or interest in science concepts and careers, especially those related to physics and chemistry. Laboratory activities will introduce, support, and apply concepts. The Honors curriculum will challenge the student to acquire knowledge independently, to master abstract concepts, and apply content to new situations. An independent project may be required outside class each quarter.

**Biology I** (332) 1 credit full year course
Grade 10, 11, 12
Biology I is a three-unit course with inquiry-based laboratory experience that engages students in asking valid scientific questions and gathering and analyzing information. This course investigates the composition, diversity, complexity and interconnectedness of life on Earth. Fundamental concepts of heredity and evolution provide a framework through inquiry-based instruction to explore the living world, the physical environment, and the interactions within and between them.

**Honors Biology** (334) 1 credit full year course
Grade 10, 11, 12
pre-requisite: "A-" or above in Physical Science or "B" or above in Honors Physical Science, teacher recommendation

This course investigates the composition, diversity, complexity and interconnectedness of life on Earth. Fundamental concepts of heredity and evolution provide a framework through inquiry-based instruction to explore the living world, the physical environment and the interactions within and between them.
Lab activities will introduce, support, and apply concepts. The Honors curriculum will challenge the student to master abstract concepts, and apply content to new situations. This course is strongly recommended for students planning to study the biological/biomedical sciences in college.

**Environmental Science** (337) 1 credit full year course
Grade 11, 12

The goal of the Environmental Science is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Environmental Science is interdisciplinary; it embraces a wide variety of topics from different areas of study.

**Chemistry** (340) 1 credit full year course
pre-requisite: Algebra I, Algebra II, or Enriched Algebra II minimum of "B" average

Chemistry is an advanced science course taught primarily as a college preparatory course. Chemistry is the study of how and why substances interact with each other. When appropriate, the course consists of labs that coincide with what is being studied. Included in the topics discussed are the scientific method, chemistry related mathematics, structures of atoms, formula writing, develop equation writing skills, gas laws, mole concept, reaction kinetics, solutions, equilibrium, oxidation-reduction, water chemistry, and organic chemistry. In this course, it is essential to have good study habits, strong Algebra background, and be able to dedicate a great deal of time for studying.

**Advanced Chemistry** (341) 1 credit full year course
Pre-requisite: $11^{th}$ or $12^{th}$ grade status, Chemistry "B" average, Algebra II or Enriched Algebra II, Pre-Calculus or Calculus are suggested

Advanced Chemistry is a college-prep, advanced science course and a continuation of Chemistry. It is an intensive study of matter and the changes that matter undergoes. Advanced Chemistry will explore in greater detail acids and bases, electron configurations, chemical bonds, redox reactions, electrochemistry, gas laws, reaction rates, nuclear chemistry, organism and biochemistry. When appropriate, the material will be supplemented with labs. In this course, it is essential to have good study habits, strong Algebra background, and be able to dedicate a great deal of time for studying.

**Anatomy and Physiology** (350) 1 credit full year course
pre-requisite: Biology, Chemistry

Anatomy and Physiology is intended for highly motivated students who have a strong interest in the biological/biomedical sciences. This course will include a year long program of intense anatomical and physiological study. The areas covered will include medical terminology, biochemistry, cell and tissue structure and the 11 systems of the human body (integumentary, skeletal, muscular, nervous, endocrine, circulatory, lymphatic, digestive, respiratory, urinary, and reproductive). Laboratory work will be required, including a detailed dissection of a house cat (*Fetis domesticus*) to compare its anatomy and physiology to that of a human.

**Physics** (360) 1 credit full year course
pre-requisites: 11th or 12th grade status, Chemistry, Algebra II or Enriched Algebra II and Geometry min. "B" average

Physics is an advanced science course taught primarily as a college preparatory course. It is designed to give the student an understanding of the scientific method of problem solving and an appreciation of the workings of the physical world. The course is based mostly on the mathematical concepts working in motion, force, energy, heat transfer, optics, and electricity. When appropriate, the material will be supplemented with labs and projects. In this course, it is essential to have good study habits, strong Algebra and Geometry background, and be able to dedicate a great deal of time for studying. Students may also do independent projects. The use of a CAD program (Rhino) may also be incorporated into the curriculum where students will learn the basics of using a CAD program, prototyping, 3D computer animation, and production of 3D models.

**Advanced Physics** (361) 1 credit full year course
pre-requisites: 12th grade status, Chemistry and Physics minimum "B" average,
Algebra II or Enriched Algebra II, and Pre-Calculus or Calculus are suggested

Advanced Physics is a college-prep, advanced science course and a continuation of Physics. Advanced Physics will explore in greater detail light, electricity, magnetism, circuits, atomic and nuclear physics, fluid dynamics, mechanical properties of matter, and modern physics (special relativity). When appropriate, the material will be supplemented with labs and projects. In this course, it is essential to have good study habits, strong Algebra and Geometry background, and be able to dedicate a great deal of time for studying. Students may also do independent projects. The use of a CAD program (Rhino) may also be incorporated into the curriculum where students will learn the basics of using a CAD program, prototyping, 3D computer animation, and production of 3D models.

## SOCIAL STUDIES CURRICULUM

**World Studies** (140) 1 credit full year course
**Required of all 9th grade students.**

World Studies is the study of world history from 1750 to the present, combined with the areas of study needed to meet state testing requirements.

**American Studies** (150) 1 credit full year course
**Required of all 10th grade students**

American Studies is the continuation of the chronological study of American History from 1860-present. This study incorporates each of the seven state content standards in preparation for the OGT. As students study historical eras they consider the geographic, cultural, economic, and governmental changes that have occurred. Students develop a deeper understanding of their role as citizens and continue to expand their command of social studies skills and methods.

**American Government** (160) 1 credit full year course
**Required of all 12th grade students**

American Government is the study of the U.S. legislative, executive and judicial branches at the federal, state, and local levels. This class includes study of the American economic system and current events. Throughout the course practical emphasis is placed on helping the student understand the workings of government and his/her responsibility as a member of society. This year will culminate with each student completing a senior project involving community service.

**Global Studies** (164) ½ credit semester course
Teacher or counselor permission only

Global Studies as a course introduces and explores contemporary would cultures and history, individual and global societies, geographic concepts, the effects of geography on human development, and the effects of globalization on societies and economics. Students will also learn about themes that are characteristic of all cultures: change, diversity, and movement.

**Political Thought** (170) 1 credit full year course
Elective for 11th and 12th grade students

This is an elective course designed for college bound juniors who have a two point GPA or better in World Studies, American Studies, and have a strong interest in social studies.
Course Objectives: Political Thought will examine the major political, economic, and social philosophies that have shaped the modern world. This course will provide an in depth study of historical causation of the major problems facing the United States and the world. Current events will be studied and discussed in detail to gain a better understanding of the world today.
Students will be required to read a variety of supplemental readings during the course of the class.

**Social Studies Electives for 12th grade students**

**Sociology** (165) ½ credit semester course

The class will study American culture and group behavior in society. In addition are units on socialization, family, crime, education, religion, and other relevant social issues. Emphasis is placed on students developing reasoning abilities in discussions and written work. This course is designed to help the student who plans to continue with his/her education.

**Economics** (166) ½ credit semester course

Economics involves studying the basic economic concepts of different economic systems, supply and demand, income, economic growth, consumer spending, and saving, fiscal policy, monetary policy, and international economics. Students will then incorporate these concepts into the development of their own economic venture in which they will create their own business. This course is designed to teach practical as well as theoretical economic information.

**Psychology** (167) ½ credit semester course

Psychology is the scientific study of behavior and mental processes, such as thinking, dreaming and remembering. The course provides a general survey of the major sub fields of psychology, including the biological bases of behavior, personality theories, memory, intelligence, motivation, learning theories, behavior disorders and their treatment, and developmental themes. In addition to the lecture format, teaching strategies will include the use of video tapes, demonstrations, role-playing, debates, discussions, and other active learning exercises. The study of psychology should give you a better understanding of yourself, why people act as they do, and perhaps more effective ways to handle, or help handle, the stresses of daily life.

## ACADEMIC INTERVENTION

Crestview High School is providing an opportunity for students with disabilities to receive instruction in the regular classroom with supplemental aids and services. The district is currently operating a **Model IV Program** designed to accommodate individual needs and emphasize success by incorporating inclusion in the classroom environment. The Model IV Program allows the flexibility to provide services where needed. Services are provided in the most appropriate and least restrictive environment. Classes may take place in the general education setting or in an intervention classroom. The academic intervention specialist and regular education teachers collaborate to determine needs based on an individual basis. The Rules for the Education of Handicapped Children are followed providing a full continuum of services.

## COGNITIVE DISABILITY PROGRAM

This program is designed to meet the unique needs of specially identified students. The program offers basic skills needed for future employment and survival in an ever-changing society.

An inclusionary and mainstreamed setting is available for regular class courses with the approval of the Academic Intervention Specialist/IEP Team.

## LEARNING DISABILITIES PROGRAM

The Academic Intervention Specialist/IEP Team schedules students with identified learning disabilities for appropriate course placement.

## MULTI-HANDICAPPED PROGRAM

This program is specially designed to meet the unique needs of special education students that are identified throughout the district. The program gives the students the basic skills and the ability needed to gain employment in the world today. Each class is specifically designed to maximize a student's potential for success.