

# **Fort Jennings High School Curriculum Guide**

**2009-2010**



# Fort Jennings High School Curriculum Guide Index

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## Purpose

Students at Fort Jennings are encouraged to set their goals high and always strive to do their best. Course selection is a very important aspect of a student's high school career and preparation for the future.

This Curriculum Guide is designed to aid Fort Jennings students and their parents in making wise decisions when scheduling courses for the upcoming year.

Any questions or concerns regarding course selection, requirements, or continuing education are encouraged by the staff. Please contact the High School Office for further help.

### Graduation Requirements (Graduating Class of 2010 and beyond)

\*Pass all Five Areas of the Ohio Graduation Test

English	4 units
Science	3 units
Mathematics	3 units (4 units starting with class of 2012)
Social Studies	3 units
Business/Technology, Fine Arts, or Foreign Language	1 unit
Health	.5 unit
Physical Education	.5 unit
Electives	<u>6 units</u> (5 units starting with class of 2012)
Total	21 units

#### \*Ohio Graduation Tests (OGT)

Ohio Graduation Tests (OGT) are a key part of Ohio's education reform to establish an aligned system of standards, assessments and accountability for Ohio schools. The testing requirements were established by the Ohio General Assembly in 2001 based on recommendations by the Governor's Commission for Student Success. Tests in reading, writing, mathematics, science and social studies make up the OGT. Students take the OGT for the first time in the spring of their sophomore year. Students can continue to take the tests in the fall and spring of their junior and senior years and during the summer.

#### Criteria for Alternative Pathway to Graduation

1. On the one [OGT]...for which the person failed to attain the designated score, the person missed that score by 10 points or less;
2. Has a 97 percent school attendance rate in each of the last four school years, excluding any excused absences;
3. Has not been expelled from school...in any of the last four school years;
4. Has a grade point average of at least 2.5 out of 4.0, or its equivalent as designated in rules adopted by the state board of education in the subject area of the [failed OGT];
5. Has completed the [state] high school curriculum requirements...in the subject area [of the failed test];
6. Has taken advantage of any intervention programs provided by the school district or school in the subject area [of the failed OGT]...and has a 97 percent attendance rate, excluding any excused absences, in any of those programs that are provided at times beyond the normal school day, school week, or school year or has received comparable intervention services from a source other than the school district or school;
7. Holds a letter recommending graduation from each of the person's high school teachers in the subject area [of the failed OGT]...and from the person's high school principal.

### Ohio Core Plan (Graduating Class of 2014 and beyond)

This is an education plan designed to increase high school requirements needed to get into most state-funded four-year colleges or universities.

- A. four units of English
- B. four units of Math, including Algebra II
- C. three units of Science: must be lab-based physical science, biology, and one of the following: chemistry, physics, advanced biology, engineering science, or biomedical science

- D. three units of Social Studies; one can be a new financial literacy requirement
- E. one half unit of Physical Education
- F. one half unit of Health
- G. five units of electives; can include foreign language, fine arts, business, technical education, and/or technology.

\*After their sophomore year students can opt out of Ohio Core coursework. Individual plans must be put into place that could lead these students to a two-year degree, industrial credential, or apprenticeship. Except for Youngstown State, Shawnee State, and Central State universities, four-year state colleges and universities cannot admit students who opt out of Ohio Core unless students complete 10 hours of course work at a technical, community, or branch campus.

## Grade Placement

Students are classified by grades according to the number of credits accumulated. The minimum credits toward graduation for grade classification are as follows:

### Assignment to Grade

9	Completion of Grade 8
10	5 units of credit
11	11 units of credit
12	16 units of credit
Graduation	21 units of credit

## Honors Diploma (Graduating Class of 2010)

Students who complete the college preparatory curriculum will qualify for an Honors Diploma by meeting any eight of the following nine criteria.

- a. four units of English
- b. three units of mathematics that include Algebra I, Algebra II, and geometry or complete a three-year sequence of courses that contain equivalent content.
- c. three units of science that develop concepts for physical, life, and earth and space sciences
- d. three units of social studies
- e. either three units of one foreign language or two units each of two foreign languages
- f. one unit of fine arts
- g. either one unit of business/technology and two additional units in (a) through (f) above or earn three additional units, in (a) through (f) above
- h. 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.
- i. obtain a composite score of 27 on the America College Testing (ACT) tests or an equivalent composite score of 1210 on the Scholastic Assessment Tests (SAT)

## Honors Diploma (Graduating Classes of 2011 and Beyond)

Students who complete the college preparatory curriculum will qualify for an Honors Diploma by meeting any seven of the following eight criteria.

- j. four units of English
- k. four units of mathematics that include Algebra I, Geometry, Algebra II or equivalent and another higher level course or a four year sequence of courses that contain equivalent content

- l. four units of Science, including physics and chemistry
- m. four units of Social Studies
- n. either three units of one foreign language or two units each of two foreign languages
- o. one unit of fine arts
- p. 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.
- q. obtain a composite score of 27 on the America College Testing (ACT) tests or an equivalent composite score of 1210 on the Scholastic Assessment Tests (SAT)

## ACT Testing

The ACT is America's most widely accepted college entrance exam. It assesses high school students' general educational development and their ability to complete college-level work.

- The multiple-choice tests cover four skill areas: English, mathematics, reading, and science.
- The Writing Test, which is optional, measures skill in planning and writing a short essay

It is recommended that all students take the ACT test at the end of their sophomore year or beginning of their junior year as a baseline. This will give students the opportunity to try the testing in a non-pressure situation. Students should take the ACT again late in their junior year. This will give them ample times to retest to increase their scores for admissions or scholarships. It is recommended that all students take the Writing option at least once either late their junior year or during their senior year. Many Ohio colleges are requiring the Writing option in place of their own placement test.

The ACT is given in October, December, February, April, and June of each school year. Registration may be completed through the mail or online. The registration deadline is approximately 5 weeks prior to the test date. Students should pick up registration packets in the guidance office and listen for announcements regarding registration deadlines. Check out [www.actstudent.org](http://www.actstudent.org) for more information.

## PSAT Testing

All Juniors will take the PSAT Test in October during school time. This test is an excellent preparation test for standardized tests such as the ACT and also is used as a qualifying exam for the National Merit Scholarship Program.

## PLAN Testing

All Sophomores will take the PLAN Test in early November during school time. This test is set up in the same format as the ACT and also includes an interest inventory and self-help section.

## Vantage Career Center Options

Fort Jennings High School who desire a vocational education have the option of attending Vantage Career Center during their junior and/or senior years. In order to be considered for admission a student must not be more than three academic credits deficient towards graduation and file an application with the guidance office at Fort Jennings during the month of February. The following program options are available:

### **Business and Marketing Academy**

**Interactive Media** – students will create, design, and produce multi-media product and services. His program emphasizes the development of digitally-generated and computer enhanced media.

**Medical Office Management**– students learn basic business skills, accounting, computer software, medical terminology, document formatting and office procedures.

**Network Systems** – students learn software applications, programming, how to make basic repairs, troubleshooting, and network management \*must have successfully completed Algebra I

### **Service Occupations**

**Cosmetology** – students are trained in the care of hair, nails, and skin. A variety of hair care services such as hair coloring, permanent waving, cutting, and styling are included in this program.

**Culinary Arts** – the program provides students with knowledge and experience in planning, preparing, and serving restaurant-quality foods..

**Early Childhood Education** – designed to provide training to qualify students to work in a licensed child-care facility, operate his/her own daycare facility, or become a nanny or teacher of young children.

**Food Careers** – training concentrates on the development of skills and attitudes necessary for successful employment in the food service industry

**Health Careers** – students are taught a variety of patient health care skills.

### **Trade and Industry**

**Ag Diesel Mechanics** – students learn the techniques for the maintenance, service, repair, and operation of industrial diesel equipment and agricultural equipment. Servicing and troubleshooting skills are stressed.

**Auto Body Repair**– students learn how to recondition, weld, repair sheet metal, and replace trim, glass panels and bumpers. They also learn how to prepare vehicles for painting.

**Auto Technology** –Students learn the skills required to inspect, repair, and adjust vehicles.

**Building and Grounds Maintenance** – students learn the wide variety of skills necessary to keep buildings and their surrounding areas in good condition.

**Carpentry** – organized to teach the skills of the construction building trades.

**Electricity** – provides entry-level training ranging from residential wiring to industrial electrical applications.

**Industrial Mechanics** – students learn a variety of skills to perform preventative and corrective industrial maintenance and the adjustment and set up of plant machinery.

**Precision Machining Technology** – students learn blueprint reading, computer aided drafting (CAD) and manufacturing processes..

**Welding Fabrication Technology** – students are trained in the arts of different types of welding.

## **Graduation Requirements for Students Attending Vantage**

### **Classes of 2010 and beyond**

Pass all five areas of the Ohio Graduation Test

English	4 units
Science	3 units
Mathematics	3 units (4 units starting with the class of 2012)
Social Studies	3 units
Business/Technology, Fine Arts, or Foreign Language	1 unit
Health	.5 unit
Physical Education	.5 unit
Electives	<u>6 units</u> (5 units starting with class of 2012)
Total	21 units

## **Vocational Honors Diploma (Graduating Class 2010)**

The student who completes an intensive career-technical education curriculum at Vantage Career Center must meet any nine of the following ten criteria:

- four units of English which may include one unit of applied communications

- b. three units of mathematics which should include Algebra and Geometry or a sequence of courses that contain equivalent content
- c. three units of science that develop concepts for physical, life and earth and space sciences
- d. three units of social studies
- e. two units of a foreign language; or two units of business/technology; or one unit of each
- f. three units in the student's career-technical education curriculum
- g. two additional units in (a) through (f) above, or in fine arts
- h. maintain an overall high school grade point average of at least a 3.5 on a 4.0 point scale up to the last grading period of the senior year.
- i. Complete a career passport that reflects achievement of the occupational proficiency benchmark established for the Ohio Vocational Competency Assessment or the equivalent
- j. Obtain a composite score of 27 on the ACT tests or an equivalent composite score of 1210 on the SAT tests

### Vocational Honors Diploma (Graduating Classes 2011 and beyond)

The student who completes an intensive career-technical education curriculum at Vantage Career Center must meet any seven of the following eight criteria:

- a. four units of English
- b. four units of mathematics which must include Algebra I, Geometry, Algebra II or equivalent and another higher level course or a four-year sequence of courses that contain equivalent content.
- c. four units of science that include physics and chemistry.
- d. four units of social studies
- e. four units of Career-Technical minimum. Program must lead to an industry recognized credential, apprenticeship, or be part of an articulated career pathway which can lead to post secondary credit.
- f. maintain an overall high school grade point average of at least a 3.5 on a 4.0 point scale up to the last grading period of the senior year.
- g. Obtain a composite score of 27 on the ACT tests or an equivalent composite score of 1210 on the SAT tests
- h. Achieve proficiency benchmark established for appropriate Ohio Career-Technical Competency Assessment or equivalent.

### Expected Course Load and Required Courses by Grade

All students are expected to be scheduled for at least 5 credits per school year. It is also expected that students will have no more than ONE FULL TIME study hall.

The following courses are required each year:

#### Seventh Grade

Literature  
 English  
 Science  
 Math  
 Social Studies  
 Physical Education  
 Art  
 Home Economics  
 Health (High School Credit)  
 Music – Band, Chorus, or both

#### Eighth Grade

Literature  
 English  
 Science  
 Math  
 Social Studies  
 Physical Education (High School Credit)  
 Art  
 Home Economics  
 Industrial Technologies  
 Keyboarding  
 Reading Enhancement

## Freshmen

English  
Physical Science  
World History  
Algebra I or Algebra II  
Physical Education  
Ind. Tech or Home Ec.  
Basic Computers

## Juniors

English  
Psychology/Sociology  
Geometry or Advanced Math  
Chemistry, Anatomy, or Environmental Science

## Sophomores

English  
Biology  
American History  
Basic Algebra II, Algebra II, or Geometry  
General Business

## Seniors

English  
Government  
Family Relations  
Economics  
Advanced Math, Intro to College Algebra and Statistics, or Calculus

## Course Drop/Add Policy

Careful consideration should be given when registering for classes in the spring, thus limiting the number of schedule changes immediately before, after the beginning, or during the school year.

All changes in schedule must be taken care of through the Guidance office.

### Dropping a Class

2. The student must maintain the minimum required credit load of 5 credits per year.
3. Classes may not be dropped if it will cause a course to be cancelled due to a lack of students
4. No class may be dropped after the second week of school unless extenuating circumstances warrant it, and/or it is an educational improvement. This will require written consent from a parent, the teachers involved, and the Principal.

### Adding a Class

1. The time for adding an entire year class or first semester class is at the time current year schedules are picked up or no later than the end of the second week of school. The time for adding a second semester class is prior to the beginning of school or no later than the last day of the first semester.

## Ohio High School Athletic Association Eligibility Requirements

Eligibility is based on the academic performance of a student from the immediately preceding quarter. Semester and yearly grades have no effect on eligibility. Summer school has no effect on eligibility. In order to be eligible for athletics at Fort Jennings High School the following standards must be met.

A minimum grade point average of 1.0 is required of all student athletes at Fort Jennings High School.

### Grades 7-8

To be eligible, a student-athlete must have earned passing grades in 75% of the subjects in which they are enrolled the immediately preceding grading period. All courses in which a student receives a grade count towards the 75% eligibility requirement. All seventh graders are eligible during the first quarter of their seventh grade year.

## Grades 9-12

To be eligible, a student athlete must have earned passing grades in a minimum of five one-credit courses, or the equivalent, in the immediately preceding grading period. All freshmen must have earned passing grades in 75% of all courses taken during the final quarter of their eighth grade year in order to be eligible during the first quarter of their freshman year.

## Dual Enrollment

Dual Enrollment would allow you the opportunity to receive college credit during the regular school day and remain at Fort Jennings High School. This would enable you to jump-start your college education at a fraction of the cost of normal college classes. The instructors will be Fort Jennings High School teachers who you already know. You will not have to miss out on the high school experience and may remain involved in all extra-curricular activities. There will be a cost and requirements for students wishing to participate. More details will be forth-coming.

## Post Secondary Enrollment Options

1. Public high school students may enroll full or part time for nonsectarian courses for high school and/or college credit.
2. School districts must provide counseling services to students and their parents prior to participation in the Post-Secondary Options Program, including possible risks and consequences
3. Students must be accepted by the college in order to participate.
4. Options include high school credit only, college credit only, or both high school and college credit received.
5. School districts must award comparable credit for course work.
6. Jennings Local board of Education has determined that grades at college will be included in grade point averages in the following manner: Grades for courses taken in college for high school credit will be included in the student's GPA and used to calculate class rank only if the course replaces a course required for graduation. Letter grades and hours received from colleges will be converted to Fort Jennings High School equivalents. A withdrawal or failing grade will result in the parent assuming all financial liability for the course(s).
7. Colleges will give priority to their regular students. Once a high school student is accepted in the options program, he cannot be displaced by a regular student.
8. The state board of education will specify the method for calculating maximum number of units that might be earned during the school year:

Semesters		Quarters	
5 semester hours	=	1 unit	
4 semester hours	=	8 quarter hours	= 1 unit
3 semester hours	=	7 quarter hours	= .88 unit
2 semester hours	=	6 quarter hours	= .75 unit
1 semester hours	=	5 quarter hours	= .60 unit
		4 quarter hours	= .50 unit
		3 quarter hours	= .40 unit
		2 quarter hours	= .25 unit
		1 quarter hour	= .13 unit

9. The state board of education will determine the method for calculating the percentage of a full unit of average daily membership that the participating student represents for the district.
10. The college will be reimbursed for tuition, fees, materials, and textbooks for those students enrolled in college courses for high school credit. The amount to be reimbursed will be subtracted from payments to the student's school district.

11. Students who have not successfully completed graduation requirements because they are participating in the Post Secondary Enrollment Options Program (which need to be completed within one month of graduation) may participate in graduation exercises but will not receive a diploma.
12. Students will need to maintain passing grades in courses equivalent to five Carnegie units per nine weeks, including any college courses, to maintain athletic eligibility.
13. It is clearly the college's responsibility under SB 140 to notify the school of any attendance concerns.
14. "Post Secondary" students will need to adhere to the Fort Jennings Code of Conduct when on school grounds or under the high school's supervision.

## College Prep Recommendations

Most Colleges and Universities require that the following minimum requirements be met to ensure unconditional admittance:

- 4 units of English
- 3 units of Math (4 highly recommended)
- 3 units of Science
- 3 units of Social Studies
- 2 units of Foreign Language
- 1 unit of fine arts (Art or Music)

## College Visits

College visits play an important role in determining where our students will continue their education. Juniors and Seniors are encouraged to take advantage of this opportunity. Students should contact the Office of Admissions of the College or University they wish to visit. Ask to meet with admissions counselors, someone from the department of your anticipated major, and the financial aid office. Fort Jennings High School allows students three college visit days, which do not count as absences. These must be pre-approved and a note from a parent must be presented to the office before the absence. After the visitation, students must turn in paperwork from the university verifying their visit.

## Class Rank & Grade Point Averaging

Grade Point Averages are figured at the end of each semester by using the semester grades from each course. All courses, with the exception of Physical Education, are used.

The following grade weighting is used for one-credit courses, courses with other than one credit units are figured proportionately.

A	=	4.0
A-	=	3.7
B+	=	3.3
B	=	3.0
B-	=	2.7
C+	=	2.3
C	=	2.0
C-	=	1.7
D+	=	1.3
D	=	1.0
D-	=	.7
F	=	.0

Class rank is achieved by placing students in order according to their cumulative grade point average.

## Grading Scale

The following is the Grading Scale for Fort Jennings High School:

A 95 – 100    A- 92 – 94    B+ 89 - 91    B 86 – 88    B- 83 – 85    C+ 80 – 82    C 77 - 79  
C- 74-76    D+ 71 – 73    D 68 – 70    D- 65 – 67    F 0 - 64

## Academic Honors

### Academic Awards Banquet

Each year Fort Jennings High School hosts a Banquet to Honor students and their parents for achievements during the current school year. A student must have earned Honor Roll status for at least one quarter or be receiving an academic award or participation certificate in order to be invited to the banquet.

Academic Awards are earned by achieving at least a 3.0 GPA for the first three quarters of the school year. Academic Letters require a 3.5 GPA for the first three quarters of the school year.

Other awards are based on teacher recommendations and participation in academic activities.

### Class Speakers at Graduation

The determination of Class Speakers is based on the cumulative grade point average from the freshman, sophomore, junior, and three quarters of the senior year. Speakers will be the Valedictorian, Salutatorian, and students ranked third and fourth. In case of identical GPAs more speakers may be added. All students are considered in this ranking.

### National Honor Society

The Fort Jennings High School Chapter of the National Honor Society is composed of outstanding students from the junior and senior classes. In order to be considered a student must have a 3.5 GPA through the first quarter of his or her junior year or senior year. The student is then invited to submit an application which includes three letters of recommendation, a personal essay, and evidence of service and leadership. A Faculty Council then determines membership by evaluating the student on Character, Leadership, and Service.

### Honor Roll

Fort Jennings High School Honor Roll is determined by using the grades earned each nine week period. All subjects, except Physical Education and PSEO courses not required for graduation are included. Honor Roll I includes students who have earned a 3.667 or above and have no grade lower than a B-. Honor Roll II includes students who have earned a 2.850 or above and have no grade lower than a C-.

### Breakfast Buddies

The Student Council coordinates a program once each quarter called the Breakfast Buddies. All faculty are given a ballot to nominate one student for any characteristic that they feel deserves recognition that quarter. The students are then invited to a catered breakfast one morning with the nominating teacher where certificates and a short description of why they were chosen are given.

### STRIVE

STRIVE is an incentives program which encourages students to strive for excellence in academics, attitude, social skills, and positive leadership. Deserving students will receive Thumbs-up from faculty and staff, they will deposit their Thumbs-up in the Strive box and be eligible for weekly and quarterly drawings.

## Course Descriptions

### Business

#### 101 Accounting I 1 unit

*Prerequisite:* Soph/Jr/Sr. Status

This course provides the student with a basic understanding of an accounting system useful for business and personal use. The students acquire an understanding of the principles applied in keeping financial records for business and personal purposes. The students will learn to keep financial records for a service as well as a merchandising business. It should help the student to discover whether he/she has an aptitude for the accounting profession. The course is great for any junior or senior because of the personal value in keeping financial records.

#### 102 Accounting II 1 unit

*Prerequisite:* Accounting I – minimum B-

Students build on the knowledge acquired in Accounting I. It covers Corporate accounting with emphasis on special journals, ledgers, payroll, depreciation, and manufacturing accounting. The course is excellent for any student wishing to further the accounting profession or any students going into further studies with related accounting.

#### 103 General Business .5 unit

The purpose of General Business is to introduce the students to the world of business and their role as a consumer, producer, and citizen. It helps students develop an understanding of our economic system and how it works. The course is suitable for all students regardless of the type of curriculum they follow. It covers a large variety of subject matter such as: banks, banking services, checking and loans, savings and interest, insurance and other areas. Included in this course will be 2 credits from Owens Community College at no expense to the students. This supplement is designed to aid students who are in the process of making a career decision. Students will be given the opportunity to evaluate and appraise their own values, needs, skills, and interests. In addition, there will be an opportunity to develop skills and techniques for decision-making, goal setting, and motivation.

#### 104 Business Management 1 unit

*Prerequisite:* Jr/Sr Status

The purpose of the course is to present the students with an understanding of what business is, how it operates, and its role in our economic system. It will help students to decide on specific business careers. Areas covered include various types of business, production, marketing, public relations, communications, finances and labor relations (benefits, wages, etc.). The course is a help to any student who plans a career in business or may enter business as a beginning employee

#### 105 Economics .5 unit

*Prerequisite:* Senior Status

This one semester course is a practical approach to the study of economics providing helpful information necessary to live in today's world. The course gives students the opportunity to learn about the economic system in the United States and how to benefit from it through the study of topics such as demand, supply, entrepreneurship, investments, productivity, business competition, the role of the government in our economy, budgeting, credit, advertising, consumer rights and responsibilities. How to make good use of ones resources through wise consumer choices in housing, food, clothing, automobiles, and services are also studied.

**1400 Business Communications (YEARBOOK) .5 unit**

*Prerequisite:* So/Jr/Sr Status and Approved Application

In Yearbook production class, students will raise funds through effective advertising and book sales in order to pay for the production of the school yearbook. Students will prepare usable layouts, and also write effective copy to be used with photos and various groups and activities. The students will also be able to identify terms used in yearbook design and layout. Students will sell ads outside of the school day, sell yearbooks during lunch periods and be expected to meet daily and long term deadlines.

**Fine Arts**

**201 High School Band 1 unit**

An instrumental course featuring concerts, parades, and musical enjoyment.

**202 High School Chorus .5 unit/semester**

A vocal course featuring concerts and musical enjoyment

**203 Introduction to Art .5 unit/semester**

*Prerequisite:* None Open to students 9-12

This course is designed to enhance the student's background of art in all of its possibilities. Students will explore all the areas of art, learning the techniques and terminology of each area. Artists will also be studied in relation to the art media being used. Students will learn to critique their art as well as others to encourage problem solving with the use of creative solutions. A course fee will apply. **Intro to Art is a prerequisite for Art II**

**204 Art II 1 unit**

*Prerequisite:* Introduction to Art

Art II focuses on artwork that exists on a flat surface including drawing, painting, batik and printmaking, etc. Emphasis will be on gaining control of the materials and techniques through subject studies including still life, landscape and the figure. The use of color is also emphasized in this course. Students continue to enhance their skills but also develop a stronger imagination and grasp on artistic expression. Students learn to express themselves in their artwork by studying artists who have done the same. A course fee will apply. **Class may be taken more than once.**

**205 Ceramics 1 unit**

Ceramics focuses on art existing as form to include ceramics and sculpture. When learning ceramics, students will develop a stronger understanding of clay and all its capabilities. In-depth hand building techniques, wheel throwing, and finishing techniques such as glazing will be explored. Ceramic and sculpture art history and terminology are learned in the process. When learning sculpture, abstract and realistic projects are created. Besides clay, a wide variety of other materials are used for sculpture such as wire and everyday odds and ends for maximum creativity. A course fee will apply. **Class may be taken more than once.**

**207 Photography .5 unit**

*Prerequisite:* Jr./Sr. Status

Photography explores traditional black and white photography, photography history and well-known photographers. On the technical side, composition of the picture, development of film and printing of photos is also learned. We also explore creative photography by building our own pinhole camera and learning how to hand color B&W photography. A course fee will apply. **Students need to provide their own 35mm camera for this class. Class size is limited. Class may be taken more than once, first-time students have priority.**

**208 Advanced Art and Portfolio 1 unit**

*Prerequisite: Intro to Art + 2 other art classes, and teacher approval.*

This class is designed for the student who wants to explore art on a deeper level. The student continues to further develop his or her own style and concentrates on the media of choice with project approval of the teacher. Students will also be required to design and present a PowerPoint portfolio presentation. *This course is recommended to those students who may go into art in college or as a career.* A course fee will apply. This course will be taken as an independent study.

**209 Seventh Grade Art .5 unit**

**One Semester**

Seventh grade art is a time for becoming aware, observant and appreciative of art. We study the art time-line throughout the semester; learning about famous artworks and artists. Students complete art projects reflecting the period being studied. These projects explore creativity as well as enhancing the student's skills in all the different areas of art.

**210 Eighth Grade Art .5 unit**

**One Quarter**

Eighth grade art concentrates on developing basic artistic skills and expanding the knowledge of the different art areas. Students learn the versatility of art by exploring a variety of art techniques, media, art terminology and the famous artists who used them.

**211 Junior High Band .5 unit**

**Mondays, Wednesdays, Fridays**

An instrumental music course introducing Instrumental-playing techniques. Showcased at concerts several times annually.

**212 Junior High Chorus .5 unit**

**Tuesdays, Thursdays**

A vocal music course introducing fundamental singing techniques. Showcased at concerts several times annually.

## **Foreign Language**

**304 Spanish I 1 unit**

In Spanish I, students learn basic vocabulary in the following categories: greetings, time, adjectives, sports, hobbies, professions, body, clothing, food, house, school, seasons, weather, animals, and traveling. Students are expected to demonstrate competence using this vocabulary to read, write, listen, and speak. Basic verb forms and grammar are introduced. Culture is studied and "sampled" through foods, songs, etc. Emphasis is placed on independent learning through cooperative groups, partner practices, and a variety of activities.

**305 Spanish II 1 unit**

*Prerequisite: Spanish I (recommended C or better)*

Students who demonstrate competence in Spanish I are encouraged to enroll in Spanish II. The same basic categories of vocabulary that were introduced in Spanish I are reviewed and expanded. Verbs and grammar are more complex than in Spanish I.

**306 Spanish III 1 unit \*DE**

*Prerequisite: Spanish II (recommended C or better)*

This course is open to students who have demonstrated competency in Spanish II. Vocabulary and grammar are reviewed and refined. Although the learning format is the same as for Spanish I and Spanish II the competency expectations are more demanding.

## Health and Physical Education

### **401 Health 7 (High School Credit) .5 unit**

Health is a study of the daily health problems of students, schools, and communities. It is being offered to students to help improve general health standards and to teach them facts concerning adolescent problems, accidents and first aid, functions of the body, and other aspects of healthful living.

### **403 Physical Education 7 .25 unit**

The goal of the physical education program is to promote the optimum physical, social, emotional, and psychological development of each individual student through active participation in the program. Further, at the close of the student's school career, they should be satisfied that physical education has indeed helped them understand themselves and that it is something to be carried over the adult years with family and friends. Activities include soccer, volleyball, basketball, softball, tennis, gymnastics, as well as many other team and individual activities. Requirements: Appropriate gym clothing and full cooperation and participation in the required activities.

### **404 Physical Education 8 .25 unit (High School Credit)**

The goal of the physical education program is to promote the optimum physical, social, emotional, and psychological development of each individual student through active participation in the program. Further, at the close of the student's school career, they should be satisfied that physical education has indeed helped them understand themselves and that it is something to be carried over the adult years with family and friends. Activities include soccer, volleyball, basketball, softball, tennis, gymnastics, as well as many other team and individual activities. Requirements: Appropriate gym clothing and full cooperation and participation in the required activities.

### **405 Physical Education 9 .25 unit**

The goal of the physical education program is to promote the optimum physical, social, emotional, and psychological development of each individual student through active participation in the program. Further, at the close of the student's school career, they should be satisfied that physical education has indeed helped them understand themselves and that it is something to be carried over the adult years with family and friends. Activities include soccer, volleyball, basketball, softball, tennis, gymnastics, as well as many other team and individual activities. Requirements: Appropriate gym clothing and full cooperation and participation in the required activities.

### **406/410 Applied Physical Education .25 unit/semester**

*Open to Sophomores, Juniors, & Seniors*

Applied Physical Education consists of the traditional curriculum including Individual, Lifetime, Leisure, and Team Activities. In addition the students will be presented fitness activities in which they can determine personal goals, evaluations and refine mental, social and, physical well-being. This will be achieved through a variety of activities including but not limited to the following activities such as team sport activities, weight lifting, aerobic and anaerobic activities, and fitness evaluations as well as participating in individual and lifetime activities. Exercise, the importance of exercise, and different types of exercise will be stress throughout the course.

## Home Economics

### 501 Home Economics 7 .5 unit

#### One Semester

This trimester course introduces the students to the basics of Family and Consumer Sciences. Areas to be studied include grooming, manners, nutrition, basic food preparation skills and decision-making and sewing.

### 502 Home Economics 8 .25 unit

#### One Quarter

This trimester course introduces the students to the basics of Family and Consumer Sciences Areas to be studied are sewing (buttons, mending, and a project), laundry, decision-making, and basic food preparation skills.

### 503 Home Economics I 1 unit

This course serves as a general introduction to all the areas of home economics. It is designed to increase the student's skills in many areas of daily living. These life skills include study in the areas of foods, nutrition, housing and home decorating, grooming, money management, consumerism, clothing construction, and care, personal relationship and child development.

### 504 Foods I .5 unit

A semester course including basic cooking and baking skills, food customs and traditions, meal planning and the preparation of foreign foods.

### 505 Foods II .5 unit

A semester course in which emphasis is placed on food preparation, meal planning, gourmet cooking. Foreign foods and entertaining is also studied.

### 506 Creative Design I .5 unit

This semester course introduces the students to designing items for the home décor, cooking creatively and how to creatively decorate a dorm room or apartment.

### 507 Creative Design II .5 unit

This semester course continues the studies of Creative Design I.

### 508 Family Relations .5 unit

This semester course provides a study of personal growth, relationships and family living. The purpose of the course is to help students be better prepared to face the choices and challenges they will face throughout their lives. Areas to be explored include: personality development, communication, relationships with family/friends, dating, marriage, parenthood, and divorce.

## Language Arts

### 701 English 7 1 unit

This course introduces, reviews, and reinforces many grammar skills. It also introduces the student to various aspects of writing, listening, and language history. During the year students will also present both oral and written reports. Spelling will also be included in this course.

### 702 English 8 1 unit

This course reviews and reinforces many grammar skills. It also includes various types of writing, which include one-paragraph themes to five paragraph themes. Oral and written reports are required throughout the year and vocabulary-building takes place also. Spelling will also be included in this course.

### 703 English 9 1 unit

This course is a study of four literary types: short stories, non-fiction, poetry, and plays. Also studied are grammar, usage, sentence structure, vocabulary and includes various types of writing, which include one-paragraph themes to five- paragraph themes

### 704 English 10 1 unit

*Prerequisite:* English 9

This course is a study of four literary types: short stories, non-fiction, poetry, and plays. The study of literature and the study of effective writing are intertwined, each contributing to the other. A review of grammar, vocabulary, the writing process, and communications are also included in this course. Learning to express thoughts, feelings, and impressions, as well as to use basic writing skills and grammar are objects of this course.

### 705 English 11 1 unit

*Prerequisite:* English 10

This course traces the development of American Literature from the Colonial Period to the present by studying basic ideas, trends, influential writers, and people of the times. Types of literature will include short stories, poems, plays, essays, and the novel. Writing on themes associated with the literature is required. Expressing thoughts, feelings, and the self, as well as using basic writing skills and grammar are objectives of this course. Included in this course will be 2 credits from Owens Community College at no expense to the students. This provides an introduction to standardized college entrance exams, colleges and programs of study, the college application, and the college essay.

### 706 English 12 1 unit

*Prerequisite:* English 11

This course traces the development of English Literature from the Anglo-Saxon period to the present by studying basic ideas, trends, influential writers and people of the times. Literature to be studied will include short stories, poems, essays, and plays. At least one of Shakespeare's works will be studied. Oral and written assignments correlating to the reading of literature, along with related vocabulary are required. Expressing the self in various writing forms demonstrating writing and grammar skills is the objective of this course. Included in this course will be 2 credits from Owens Community College at no expense to the students. This provides continued opportunities to apply what students know, and to learn how to be successful. Academic and personal skills development is emphasized. Goal setting, study skills, self-esteem, test-taking, wellness, note-taking, decision-making, stress management, time-management, advising and scheduling, and lifelong learning.

**707 Literature 7** **1 unit**

This course is a study of different literary forms such as short stories, non-fiction, plays, and poetry. Short novels will be read as well as book reports and research projects. Emphasis is placed on reading comprehension, vocabulary building, and increased enjoyment of reading.

**708 Literature 8** **1 unit**

This course is a study of different literary forms such as short stories, non-fiction, plays, and poetry. A short novel will be read as well as book reports and research projects. Emphasis is placed on reading comprehension, vocabulary building, and increased enjoyment of reading.

**709 Reading Enhancement** **.25 unit**  
**One Quarter**

This course is designed to increasing the reading and vocabulary of eighth graders. In this course students will do independent reading of various novels and study vocabulary.

## **Mathematics**

**801 Math 7** **1 unit**

This course reviews basic mathematical concepts and operations with whole numbers, decimals, and fractions. Problem solving with percents and proportions is stressed. Calculation of perimeter, area, and volume of geometric figures is practiced and applied. Solving equations and operations with integers is introduced.

**802 Math 8** **1 unit**

This course is a continuation of Math 7 and reviews basic mathematical concepts and operations (add, subtract, multiply, divide) with whole numbers, decimal numbers, fractions, and integers. The student also applies the geometric skills of measurement, calculation of perimeter and area. Introduction of simple algebraic equation solution is also made. Ratio/Proportion calculation and solution is practiced and applied.

**804**  
**Basic Algebra II** **1 unit**

*Prerequisite:* Algebra I

This course extends the topics from Algebra I and stresses preparation for the OGT. Topics from Algebra include systems of equations, probability and statistics, polynomials, and quadratic functions. Topics from the OGT include Number Sense, Probability, Measurement and Geometry.

**806 Algebra I** **1 unit**

This course is the first in the series of college prep mathematics. The course is designed to develop the fundamental concepts and operations of problem solving. Linear and quadratic solutions are stressed.

**807 Algebra II** **1 unit**

*Prerequisite:* Algebra I (recommended C or above)

A continuation and extension of the concepts and operations studied in Algebra I. Algebra II explores more in-depth use of equation/inequality solution. Higher-level work with rational expressions is done with addition of imaginary and irrational number operations being emphasized.

**808 Geometry** **1 unit**

*Prerequisite:* Algebra I (recommended C or above)

This course develops a process of deductive reasoning using as its basis the concepts of measurement, relationship and comparison of the geometric figures (lines, planes, points, angles, surfaces, and solids). Computation and calculation of comparative data of plane and solid geometric figures is developed and practiced.

**809 Advanced Math** **1 unit**

*Prerequisite:* Alg. I, II, Geometry (Recommended C or above) Trigonometry highly recommended

This course is the fourth in the college prep track. A study of functions (polynomial, exponential, rational, logarithmic, and trigonometric) is undertaken to develop workable skills in equation/inequality solution. Students are introduced to physical application of concepts and techniques.

**810 Trigonometry** **.5 unit**

*Prerequisite:* Alg I, II (recommended C or above)

This one semester course is designed to develop an understanding of triangular and circular trigonometry functions and relationships. Students receive more in-depth instruction in the application of trigonometric relationships.

**811 Pre-Calculus** **.5 unit**

*Prerequisite:* Alg. I, II, Geometry, Trigonometry (recommended C or above)

This one semester course is a pure college prep course. It stresses series/sequence, statistics, probability, and an introduction to differential and integral calculus.

**812 Calculus** **1 unit**

*Prerequisite:* Alg. I, II, Geometry, Trigonometry, Precalculus (recommended C or above)

This course is a pure college prep course. It stresses series/sequence, statistics, probability, and an introduction to differential and integral calculus.

**813 Intro to College Algebra & Statistics** **1 unit**

The first semester will stress equations, functions, and matrices. The second semester stresses various counting methods including permutations and combinations. Problems involving both experimental and Theoretical probabilities will be explored. Frequency tables and various graphing techniques will be used. Central tendencies including the mean, median, mode, and standard deviation are included. The standard normal distribution will be discussed. (Senior Math)

## Science

**901 Science 7** **1 unit**

The first half of the year there is an emphasis on Earth Science; topics covered are plate tectonics, Volcanism, Minerals, rocks and space science. The second half of the year is an intro to Biology with emphasis on the different Kingdoms and phylum's of organisms.

**902 Science 8** **1 unit**

This course examines the environmental sciences. The air, water, and land of the earth are explored as well as pollution, agriculture, recycling, species preservation, energy use, and current laws applying to these topics. A heavy emphasis is placed on solving complex environmental issues that lead to controversies in today's world.

**903 Physical Science 9** **1 unit**

The major emphasis of this course is to introduce the basic concepts of physics and chemistry. Emphasis is also given on how science is a part of our daily lives. Some appropriate lab work may be added as needed. All students must do a science project in this course.

**904 Biology****1 unit***Prerequisite:* Physical Science

This course involves the study of all living things. These include viruses, bacteria, molds, protozoa, plants, worms, insects, fish, frogs, birds, mammals, and man. A study of the cell and its function and processes is included since it is the basis of all living things. Students will gain knowledge of genetics through the study of heredity, DNA, RNA, proteins, chromosomes, mitosis, meiosis, and human genetic disorders. Classification, evolution, natural selection, the scientific method, and biochemistry are also covered. During the year, students will study animals by the use of dissecting in a lab situation. Other lab situations are also included once a week.

**905 Chemistry****1 unit***Prerequisite:* Alg I, Physical Science (Recommended C or above in Physical Science)

Chemistry is an introductory course that will enable the student to understand the basic concepts of chemical structure and function. The student will learn basic lab techniques, terminology, and problem solving. This preliminary background should prepare a student for a college chemistry course. Students planning to enter a science, medical, or engineering career should consider chemistry.

**906 Physics****1 unit***Prerequisite:* Alg., Geom., Adv. Math or Trig

Physics is basically concerned with nature and behavior of physical phenomena. The topics covered will be mechanics, motion, light, sound, heat, electricity, and some nuclear reactions. Experiments in the lab will help to demonstrate many of the concepts in these fields. Students considering careers in science and engineering should consider taking this course.

**907 Anatomy****1 unit****\*DE***Prerequisite:* Jr/Sr. Status (Recommended C or above in Biology)

The objective of this course is to familiarize students with the structure and function of the human body. A strong background in biological sciences is recommended with an understanding of basic chemistry helpful. A system-by-system study of the body is accomplished. Students considering careers in the medical, dentistry, or a health occupation should strongly consider taking this course.

**909 Marine Biology****.5 unit****Offered odd numbered years i.e. 2009-2010**

Sophomores and Juniors may apply to go on an International Field Studies trip to Andros Island in the Bahamas. Other local schools help coordinate this summer, weeklong program. Credit is granted upon successful completion of course requirements. Cost of the trip is the responsibility of the student.

**908 Environmental Science****1 unit***Prerequisite:* Junior/Senior Status

This course is designed for those students in grades 11-12 that require/desire another science credit. The focus of the course will be on understanding the science behind the stories of how man is interacting with our environment. Topics discussed will include biodiversity, climate change, freshwater resources, air pollution, waste management, forestry, agriculture, population, and environmental ethics and policy. Many laboratory experiments and projects will be included.

## Social Studies

### 1001 Social Studies 7 1 unit

#### World Geography

Geography is the study of the world in a geographical manner. A concentrated examination of the whys of many regions of the world, including landform, population, and culture. Focus on absolute location of the countries, oceans, and seas of the world.

### 1002 Social Studies 8 1 unit

#### American History 1492 to 1860

An overview of the events of American History from the coming of the first Americans across the Bering Strait to the beginning of the Civil War. Emphasis will be placed on the effects history has had on the way we live.

### 1005 World History 1 unit

#### Freshman

This course will follow the chronological study of world history (1750-Present), following such events as the French Revolution, World Wars I and II, the development of the Cold War and current events. As students study historic eras, they consider the influence of geographic settings, cultural perspectives, economic systems, and various forms of government.

### 1004 American History 1860 to Present 1 unit

#### Sophomores

A broad and general study of major events and happenings that have shaped this country from events, which lead to the Civil War to the present. Emphasis will be placed on the effects history has had on the way we live.

### 1007 Psychology .5 unit

#### Junior

This is a semester course which will study theories, concepts and people in the field of psychology. The emphasis will be on individual behavior and personal development as we look into who we are as individuals and why.

### 1008 Sociology .5 unit

#### Junior

This is a semester course which will study the theories, concepts and people in the field of sociology. The emphasis of study will be on social inception, social behavior, and social institutions. Students will develop an understanding of how we interact with other people and what forces drive societies.

### 1006 Government 1 unit

#### Seniors

This course is intended to develop an understanding of the democratic process at the national, state, and local levels. Additionally, comparisons of economic and political systems are discussed in an attempt to develop an understanding of the relationship of the U.S. to other nations and their government.

## Technologies

### **601 Keyboarding .5 unit (HS credit)**

This semester course is designed to develop the principles of keyboarding. This course deals with the basic knowledge of the keyboard and the operational parts of the computer. After this foundation has been established, the students proceed into areas of centering (horizontally and vertically), tabulation, report typing, letters, and various types of business forms.

### **602 Basic Computers .5 unit**

This course introduces students to computer hardware, software, application skills, the Internet and Internet searching, and computer ethics..

### **603 Advanced Computers I 1 unit**

This course introduces photo editing and digital imaging, as well as web page design and animation software. Students create their own personal web pages. One semester is spent on in-depth study into digital imagine, the other with computer animation with emphasis on creating animated banners and pages intended for the Internet.

### **604 Advanced Computers II - TV Production & Video Editing 1 Unit**

*Prerequisite:* Advanced Computers I, Teacher approval/Interview

This course will focus on video editing as well as proper production techniques and journalism. The class will be responsible for editing, producing, and airing a weekly news magazine show at Fort Jennings High School. Class size is limited.

### **605 Industrial Technologies 8 .25 unit**

This quarter course introduces the students to the basics of Technology Education. Areas to be studied include manufacturing, transportation, communications and construction.

### **606 Industrial Technologies I 1 unit**

This course deals with communication, transportation, construction, and manufacturing technologies. Students spend one nine weeks studying aerodynamics, one nine weeks studying graphic communication, one nine weeks studying basic construction principles and one nine weeks in problem solving in regards to manufacturing through the design and production of a class identified product.

### **607 Engineering Graphics 1 unit**

**Offered even numbered years i.e. 2010/2011**

*Prerequisite:* Industrial Technologies I

Engineering Graphics is a blueprint reading and basic computer aided drafting class. It is a presentation and project-based class intended to teach the student how to understand modern technical drawings. The course teaches the student basic drafting skills using hand sketches and basic CAD skills. Mechanical drawings, architectural drawings and civil drawings will be discussed during this course.

### **608 Architectural Design 1 unit**

**Offered odd numbered years i.e. 2009/2010**

This course presents students with an understanding of basic architectural design principles and conventions, living areas, traffic patterns, and design requirements for residential architecture. The students are introduced to CAD and much of their design work involves the use of this system. Students will plan and design a “dream home” by use of a CAD system.