

## **2010/2011 ONTARIO HIGH SCHOOL MISSION**

The mission of Ontario High School, its staff, students and the community is to create a positive learning environment for all students.

This bulletin provides information that will help you choose courses at Ontario High School which will lead toward a high school diploma.

Please read the course offerings carefully. Pay special attention to the sections which explain graduation and college requirements and to those sections that explain award eligibility so that you may select the appropriate courses. In addition, please consult the course prerequisites; the teachers establish these standards to ensure a student has the appropriate background to succeed in a course. When selecting your courses, please consider that we are all different and have different strengths, interests and needs. Make sure you realistically evaluate your own strengths, interests and needs and select a curriculum that best suits you. Moreover, you should recall your academic history, the courses you have already taken and your performances in them, to help you with your decisions. Be mindful that completing high school is not a race. Use the curriculum to prepare for your future. Ontario High School has gone to great lengths to match our curriculum with college preparatory requirements. Equal consideration has been given to align our curriculum with the requirements for successfully passing the Ohio Graduation Test.

There are many challenges facing education and student learning in Ohio in the upcoming decade. Senate Bill 100 and the Ohio Core Requirements are being implemented by the Ohio General Assembly and will affect the class of 2014 and beyond. Please review the purpose and the requirements of the Ohio Core on pages 4 and 5. School districts are engaged trying to figure out how to best prepare students to both reach their personal goals and reach the demands of an accelerated state wide curriculum.

Please share these course offerings with your parents and ask them to assist you in your course selections. You should consider their advice as well as the recommendations of your counselor and your teachers when planning your curriculum. As you plan, review the Career Planning Section (p.14) to aid in planning for your future. Careers listed as professional will typically require a minimum of a college degree. Careers listed as technical will typically require a minimum of an associate degree.

Read carefully, plan thoughtfully, and ask questions. Good luck and have a great year!

## CLASS SCHEDULING PROCEDURES

### Please read the following information carefully.

After students have filled out their individual schedule requests, the administration makes the master schedule and assigns the number of classes and teachers. Final decisions on course availability depend on the enrollment figures gathered from the individual schedule requests. For the administration to plan adequately for the next year, students must think and plan carefully in this initial stage of the scheduling process.

### Registration Timeline

**February/March** – Registration for classes for the following year.

Students must return the registration form with parent signature to the Guidance Office.

Schedules are tentatively set in May.

Students/parents may make schedule changes.

**August** – Schedule changes may be made with parent permission until August 12. No “change of mind” schedule change requests will be honored after this date.

Schedule changes will not be made except for:

1. Schedule conflicts/errors
2. Educational reasons: credit deficiencies or required courses needed.
3. Uneven balance of semester courses or study halls. For example, two study halls one semester, none another semester.
4. Changes due to completion of pre-approved summer school courses.
5. Changes that are in the long-range academic best interest of students will be considered with a consultation among student, parent, teacher, counselor and principal.

### Second-Semester Changes

Any second semester schedule changes must meet the above criteria.

**Once a semester begins, no course changes can be considered. To be fair and consistent with all students, we are sorry that we cannot entertain preferential requests for class periods and teachers.**

- **We recommend students be enrolled in six / seven classes per semester (athletic eligibility).**
- **Enrichment Option forms are available in the Guidance Office. Students must meet the requirements listed and receive office approval.**

## GRADUATION REQUIREMENTS

### Ohio Core Graduation Requirements

	Class of 2011	Class of 2012 Class of 2013	Class of 2014 and Beyond
Language Arts	4 units	4 units	4 units
Social Studies	3 units	3 units	3 units
Science	3 units	3 units	3 units
Mathematics	3 units	3 units	4 units
Personal Finance		½ unit	½ unit
Health	½ unit	½ unit	½ unit
Physical Education	½ unit	½ unit	½ unit
Electives	<u>7 units</u>	<u>6 ½ units</u>	<u>5 ½ units</u>
<b>Total</b>	<b>21 units</b>	<b>21 units</b>	<b>21 units</b>

One credit of a student's electives must come from one of the following areas: business, technology, fine arts, and/or foreign language.

Certain courses taken in the 8<sup>th</sup> grade at Ontario in the areas of Algebra I and Foreign Language will count toward graduation unit requirements, but will not count toward a student's cumulative grade point average.

Students must pass all sections of the Ohio Graduation Test (OGT) to earn a diploma. The areas tested will include writing, reading, math, citizenship and science. Responses on the OGT will include short answer and extended response as well as multiple choice. The OGT aligns with Ontario Local Schools curriculum and meets the federal mandates set by "No Child Left Behind" and the State Report Card guidelines.

The Ontario High School Diploma will be awarded upon completion of the above requirements and with the passing of the Ohio Graduation Tests in the five areas of: reading, math, writing, science, and social studies.

### CLASS STANDING

Sophomore standing	5 credits
Junior standing	10 credits
Senior standing	15 credits
 Minimum Graduation Credits	 21 credits

## REQUIRED COURSES

Starting with Class of 2012,  
½ credit of Personal Finance  
is required for graduation.

### GRADE 9

English Nine	1 credit
Science	1 credit
Math (Math Connections I, II, Algebra 1 or Geometry)	1 credit
Health	½ credit
Physical Education	¼ credit
Social Studies I	1 credit
Electives possible	3 credits

### GRADE 10

English Ten	1 credit
Science	1 credit
Social Studies II	1 credit
Math	1 credit
Physical Education	¼ credit
Electives possible	3 credits

### GRADE 11

English Eleven	1 credit
Science	1 credit
Math	1 credit
Electives possible	5 credits

### GRADE 12

English Twelve	1 credit
Social Studies III (required American Government/Social Studies III)	1 credit
Electives possible	6 credits

Math (Starting with Class of 2014, total of  
4 credits of math required for graduation.)

## THE OHIO CORE

### Ohio Core Purpose

- To establish the Ohio Core as the standard expectation for all students graduating from high school.
- To prepare Ohioans to apply increased knowledge and skills to meet the demand of the 21<sup>st</sup> century.
- To prepare high school graduates to succeed in their post-secondary endeavors including entry-level jobs, apprenticeships, military service and college.
- To create stronger coordination between high schools and institutions of higher education in order to prepare students to take more challenging curriculum.
- To reduce remediation at the college level.

## Ohio Core Graduation Requirements

- English language arts, four units
- Health, one-half unit
- Mathematics, four units, which shall include one unit of algebra II or the equivalent of algebra II
- Physical education, one-half unit
- Science, three units with inquiry-based laboratory experience that engages students in asking valid scientific questions and gathering and analyzing information, which shall include the following, or their equivalent:
  - Physical sciences, one unit
  - Life sciences, one unit
  - Advanced study in one or more of the following sciences, one unit:
    - Chemistry, physics or other physical science
    - Advanced biology or other life science
    - Astronomy, physical geology, or other earth or space science
- Social studies, three units, which shall include both of the following:
  - American history, one-half unit
  - American government, one-half unit

## GRADUATION DIPLOMAS

### 1. REGULAR DIPLOMA

Each student must fulfill criteria for the Ontario Board of Education and pass the State Proficiency Tests.

### 2. HONORS DIPLOMA

See chart on next page.

## Comparison of Diplomas with Honors Criteria

*Students need to fulfill all but one criterion for any of the following Diplomas with Honors*

Subject	High School Academic Diploma with Honors Graduating Classes 2011 and Beyond	Career-Technical Diploma with Honors for Graduating Classes 2011 and Beyond
English	4 units	4 units
Mathematics	4 units, including Algebra I, Geometry, Algebra II or equivalent and another higher level course or a four-year sequence of courses that contain equivalent content	4 units, including Algebra I, Geometry, Algebra II or equivalent and another higher level course or a four-year sequence of courses that contain equivalent content
Science	4 units, including physics and chemistry	4 units, including physics and chemistry
Social Studies	4 units	4 units
Foreign Language	3 units, including at least 2 units in each language studied	Not counted toward requirements
Fine Arts	1 unit	Not counted toward requirements
Career-Technical	Not counted toward requirements, and may not be used to meet requirements	Now counted in Electives
Electives	Not counted toward requirements	4 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.
Grade Point Average	3.5 on a 4.0 scale	3.5 on a 4.0 scale
ACT/SAT Score (excluding scores from the writing sections)*	27 ACT / 1210 SAT	27 ACT / 1210 SAT
Additional Assessment	Not applicable	Achieve proficiency benchmark established for appropriate Ohio Career-Technical Competency Assessment or equivalent

\*Writing sections of either standardized test should not be included in the calculation of this score.

Diploma with Honors requirements pre-suppose completion of all high school diploma requirements in Ohio Revised Code including:

½ unit physical education\*\*

½ unit in American history

½ unit health

½ unit in government

\*\*SB 311 allows school districts to adopt a policy exempting students who participate in athletics, marching band or cheerleading for two full seasons from the physical education requirement.

**Ohio Department of Education – May 4, 2007**

### 3. CRITERIA TO QUALIFY FOR THE “AWARD OF MERIT”

- a. Complete the following minimum requirements
  1. English 4 units
  2. Math 3 units (must include 1 unit of Algebra and 1 unit of Geometry)
  3. Science 3 units (must include 2 units of Biology, Chemistry and Physics)
  4. Social Studies 3 units (must include 2 units of History and ½ unit Civics or Government)
  5. Foreign Language 3 units (3 units of one language or 2 units each of two languages)
- b. Complete two additional units from one or more of the areas listed in (a.) above or two units from one or more of the following:
  1. Business
  2. Computer Science
  3. Visual or Performing Arts
- c. Meet the attendance requirements as mandated by the State of Ohio.
- d. Demonstrate outstanding achievement by either a 3.25 GPA for grades 9-12, a 3.5 GPA for grades 11 and 12, or rank in the top 25% of the class.
- e. Meet the district requirements for student participation in co-curricular, extra-curricular or community activities and demonstrate outstanding citizenship or character traits.

Participation in co-curricular, extra-curricular or community activities is one of the performance criteria. Students will need 200 hours total over 4 years with 50 hours per year in co-curricular, extra-curricular and/or community activities.

Students participating in at least one of the following activities, all Ontario High School sports/cheerleading, marching band/rainbow choir, yearbook/newspaper will automatically qualify for 50 hours of service per year. Extra-curricular, co-curricular and community activities must have the appropriate form completed and returned to the Guidance office by May 1 of each academic school year, or prior to May 1 if the activity has been completed. It is the student's responsibility to obtain the needed forms, have them signed and returned to the Guidance office promptly.

Normally, the student will be expected to attain a minimum of 50 hours per year. However, if a student does not attain 50 hours in one particular year, he may appeal to the special activities committee for permission to complete more than 50 hours in a particular school year.

### 4. CAREER PLANNING

Students are encouraged to use all available resources to plan for future jobs and careers.

- a. Grade 8 – Introduction (Individual Career Plan).
- b. Grade 9 – CAPS Ability and Aptitude Test and the Freshman Career Unit.
- c. Grade 10 – Investigate abilities and interests through OCIS. Pioneer CTC tour.
- d. Grade 11 – Investigate careers and college. Junior interviews with counselor (College Guide for Juniors), [www.princetonreview.com/colleges-majors.aspx](http://www.princetonreview.com/colleges-majors.aspx) and [www.cappex.com](http://www.cappex.com).
- e. Grade 12 – Make post high school plans. Senior interview with counselor.

## MINIMUM CORE CURRICULUM FOR COLLEGES IN OHIO

English	4	credits
Math	3	credits (through Algebra 2)
Science	3	credits
Social Studies	3	credits
Foreign Language	2 or 3	credits
Arts	1	credit

## GRADUATE WITH HONORS

<b>Summa cum laude:</b>	a cumulative GPA of 4.0
<b>Magna cum laude:</b>	a cumulative GPA of 3.83 to 3.99 inclusive
<b>Cum laude:</b>	a cumulative GPA of 3.67 to 3.82 inclusive

## POST-SECONDARY ENROLLMENT OPTION

Originally, as part of Senate Bill 140, the Post-Secondary Enrollment Option was made available to eligible juniors and seniors. (Eligibility is determined by the individual universities or post-high school institutions). Eligible students may incorporate into their existing schedules college courses for high school credit and/or for college credit. If courses are taken for high school credit, a proportionate share of the local district's state financial aid will be transferred to the college or university. If courses are taken for college credit only, the student and his/her family must pay the college tuition and fees.

All current students and their parents will be notified in writing by the principal of the specifics regarding the Post-Secondary Enrollment Option for the current school year. Included in this notification will be the time, date and place of a required meeting of all students and their parents interested in participating in the Post-Secondary Option. Parents must attend the meeting to learn the various parameters of the program. House Bill 215 recently amended the program to include qualified freshmen and sophomores. Each student's intent to participate in the Post-Secondary Option must be in writing and on file in the Guidance Office by March 31 for the year preceding enrollment in college classes.

This program is intended to offer expanded educational opportunities for qualifying high school students at the college or university level. **It is our intent that highly specialized content courses in college should not substitute for the broader content college preparatory courses offered at Ontario High School.**

Students entering grades nine, ten, eleven or twelve may apply and enroll in a college for high school and/or college credit if the following conditions are met:

1. Students must be accepted by the college.
2. The college must, within ten days after each enrollment for a term send the student, parent, the school district and the superintendent, a written notice indicating the courses, hours of enrollment and the option selected by the student.

### **Enrollment Option A**

The student may, at the time of enrollment, elect to receive only post-secondary credit from the college for courses taken.

**Enrollment Option B**

The student may, at the time of enrollment, elect to receive both secondary credit from the college and credit toward fulfilling graduation requirements of this high school for courses taken in this program.

**SCHEDULING REQUIREMENTS**

1. Every effort will be made to limit the number of study halls assigned to a student.
2. Students must select at least seven academic courses per semester.

**ENRICHMENT OPTION**

Seniors and Juniors may have the option of leaving in the afternoon. This option is evaluated yearly for its effectiveness. Required core courses and teacher schedules are the first priorities when determining student schedules. Required classes will not be adjusted to arrange student participation. This option is being offered to address the needs of students who are on track to graduate with 21 credits and may not need additional electives in their schedule.

The administration and staff would hope that students use this time to add to the learning experience in the community either through employment, community involvement or career exploration.

The following guidelines are in place. This option is available if these guidelines are met and also at the discretion of the high school principal.

1. Parent's signature
2. Employment, Community Service, Career Exploration
3. Students must carry at least a 2.5 GPA
4. 90% attendance and no disciplinary action (i.e. Friday Schools) based on tardies
5. Must follow all school guidelines as described in the school handbook
6. Must sign out in the office

A student's ability to participate in the Enrichment Option will be evaluated each quarter. Students failing to meet the guidelines will be assigned to study hall.

**GENERAL INFORMATION OF INTEREST**

Please refer to the Student Handbook for more information or speak to a Counselor.

Section 9528 of the No Child Left Behind Act of 2001 requires schools to release students' private information to military recruiters. Students and parents may sign a waiver requesting schools not release name, address and telephone listing to Armed Services and Military Recruiters.

## GRADING SCALE

<u>Mark</u>		<u>Point Value</u>	<u>Percent Range</u>
A	=	4.0	93 – 100.0
A-	=	3.67	90 – 92.99
B+	=	3.33	87 – 89.99
B	=	3.0	83 – 86.99
B-	=	2.67	80 – 82.99
C+	=	2.33	77 – 79.99
C	=	2.0	73 – 76.99
C-	=	1.67	70 – 72.99
D+	=	1.33	67 – 69.99
D	=	1.0	63 – 66.99
D-	=	0.67	60 – 62.99
F	=	0	0 – 59.99

AP courses are weighted on a 5.0 scale.  
See your counselor or AP teacher if you  
have any questions.

To pass a semester course, the student must pass one of the two nine week grading periods and the semester exam or both grading periods if the exam is not passed. To pass a full year course, the student must pass at least one of the last two grading periods and the final exam or both grading periods, if the exam is not passed.

## NATIONAL HONOR SOCIETY

Qualified students may be selected for National Honor Society membership by a majority vote of the NHS Faculty Council, on the basis of scholarship, leadership, service and character. To be eligible for induction, a student must accomplish the following steps in the selection procedure:

1. Attained Junior or Senior status.
2. Earned a minimum 3.5 Cumulative Grade Point Average.
3. Participated in three or more different extracurricular activities.
4. Attained a 75% score on criteria for leadership and character.

## ONTARIO PARENTS FOR ACADEMIC ACHIEVEMENT (OPAA)

The Ontario Parents for Academic Achievement is an organization formed of parents and administration with the goal of furthering the academic excellence of our schools. A number of programs to encourage and reward academic achievement have been developed. Among the programs:

**The “A” Team** – Students earning all A’s for a nine-week grading period will have their picture taken and displayed in the showcase outside the Guidance Office. They will receive a Sports Pass good through the next nine weeks.

**Free Ice Cream** – Students earning a 3.5 or higher grade point average receive a coupon for a free .60 ice cream treat.

**Gold Card Program** – Students earning a 3.0 or higher grade point average receive a “Gold Card”. This program, developed with the cooperation of local merchants, gives discounts on purchases made at local businesses.

**Blue Card Program** – All students raising their grade point average 0.5 from the previous nine weeks will receive a blue card. These students are treated to a donut and juice/milk breakfast.

## THE OHIO HIGH SCHOOL ATHLETIC ASSOCIATION (OHSAA) BYLAWS FOR STUDENT ATHLETIC ELIGIBILITY

- All beginning ninth graders are eligible for the first grading period regardless of the previous academic achievement. However, they all must adhere to the district's grade point average requirement and any other standards that the school may have in place.
- Eligibility for each grading period is determined by grades received the preceding grading period. **Semester and yearly grades have no effect on eligibility.**
- **Grades 9-12:** To be eligible, a student-athlete must be currently enrolled in a member school and have received passing grades in a minimum of **five** one-credit courses, or the equivalent, in the immediately preceding grading period. (Note: Students taking post-secondary options must comply with these standards.)
- For eligibility, summer school grades may not be used to substitute for failing grades received in the final grading period of the regular school year or for lack of enough courses taken the preceding grading period.

### SCHEDULING AND SCHEDULE CHANGE POLICY FOR 2010/2011 SCHOOL YEAR

**Course selections:** In early February, counselors will meet with students to explain the scheduling process. Students should review graduation requirements, career goals and college core classes to prepare schedules. Please be mindful that college admissions counselors and future employers will look at the strength of your course selection as well as your grade point average.

**Schedule changes:** Students will have an opportunity to make any adjustments in their schedules prior to summer vacation. Schedule changes required because of course failures will be made by the guidance counselor as soon as final grades are known. Information about counselors' availability in August and schedule pick-up will be sent home in the student registration packet in early August. Dates will be posted on our website and local newspapers. Students having questions or needing to make adjustments to their schedules are expected to talk to their counselor prior to the start of school. Once school is in session, students are expected to follow their schedule until they meet in conference with their Counselor. Students must take the responsibility to ensure that they have made proper course selections. A student dropping an all year course after the first six weeks of the first grading period will drop the course failing. A student dropping a semester class after the first three weeks of the first grading period will drop the course failing.

**Dates to pick up schedules:** Students must bring the registration package that will be mailed to parents and pay fees when they pick up their schedules. The dates to pick up schedules will be in the registration package and on our website. Office hours are from 8:00 a.m. to 3:00 p.m.

### PIONEER CAREER AND TECHNOLOGY CENTER (PCTC)

The educational programs at PCTC are designed to prepare students for entry into various occupations and/or prepare students for specialized post-secondary education/training. Eleventh and twelfth grade students of Ontario High School are eligible to attend Pioneer. Admission to Pioneer will be determined on the basis of the applicant's ability, achievement, interest and physical condition. Students attending Pioneer will graduate from Ontario High School. A student spends the entire school day at Pioneer and is eligible to participate in extra curricular activities at Ontario High School. **To protect graduation status, students are expected to complete a full year at Pioneer CTC before making a decision to return to Ontario High School.** PCTC students may also attend technical or four year colleges after they graduate. PCTC does not have an entrance fee other than fees for shop or laboratory uniforms and

expendable materials. Transportation is provided by Ontario High School except for seniors in the work study programs who must provide their own transportation. Lists of programs offered at PCTC and how they correspond to particular career opportunities are available through the Guidance office. More detailed information is provided during the school year. Tenth grade visitation days are scheduled for the end of January or February of each year.

## **TECH PREP PROGRAM**

Tech-Prep Programs are available to Ontario High School students in Business Computer Technology, Business Information Technologies, Cad Technician, Electrical Maintenance Technology, Networking/Electronics Technology, Media Communications, Robotics Engineering Technologies, Tool and Die Technology, Medical/Health Technologies. These programs articulate directly to a two-year associate degree program and many of the two-year programs articulate to four-year bachelor's degree programs. A student becomes eligible for Tech Programs his/her junior year. If a student is interested in exploring the Tech Prep opportunities, he/she should see his/her counselor. Tenth grade visitation days are scheduled in February of each year.

## **TESTING**

**PLAN:** This tenth grade test is used to establish academic levels, vocational interests and knowledge of study skills. An estimated ACT score is included with the results. This test is given once a year. The date is announced yearly, but is usually given in early November.

**PSAT:** A practice opportunity for college admissions testing for juniors. The PSAT is also used by the National Merit Scholarship Corporation and many private companies for scholarship competition. This test is given once a year. The date is announced yearly, but it is usually given in mid-October. A student may take the test more than once, but it is only counted for scholarships as a junior student. Typically, the results are available in early December.

**ACT/SAT:** Most two-year and all four-year colleges require one of these tests. Test choice should depend on which school/scholarships you will be applying for. The ACT assesses English, Reading, Math and Science reasoning. The SAT assesses English, Math and Writing. Registration forms and test dates are in the Guidance office. These tests are scheduled five times a year

**SAT II:** Subject tests C.E.E.B. are required by some competitive schools. Which one you take varies on your major and the school's requirements.

**ASVAB:** Used by all the Armed Services for entrance counseling.

## **PLANNING CALENDAR**

### **FRESHMEN:**

- CAPS and COPS are given through English class. These are career and interest assessments.

### **SOPHOMORES:**

- Take the PLAN given in early November.
- Sophomores should be investigating possible careers and defining an educational path.
- These paths include vocational, Tech-Prep, 2-year college and 4-year college.

**JUNIORS:**

- **(FALL)** review college information – OCIS in computer lab.
- Explore colleges and use visitation days.
- Talk to visiting college representatives.
- **(SPRING)** take ACT to help narrow your choices.
- Review your score and re-take in senior year.

**SENIORS:**

- **(FALL)**
  - Write for applications and send to colleges both for admissions and financial aid.
  - Prime time for ACT/SAT testing – registration deadline is early September.
- **(NOVEMBER)**
  - Deadline for some out-of-state colleges and for early admission candidates.
  - Apply for PIN for FAFSA to apply on-line.
  - See Armed Service recruiters for delayed enlistment opportunities and sign up to take ASVAB.
- **(DECEMBER)**
  - Deadline for some programs, majors and schools.
- **(JANUARY)**
  - File FAFSA no earlier than January 1<sup>st</sup> but as soon after that as possible.
  - A financial aid workshop is held.
  - Time to apply for financial aid.
  - College Financial Aid Application.
  - College may require either one or all forms.
- **(APRIL)**
  - Financial deadlines occur depending on school.
- **(MAY)**
  - Make decision on where you will attend. Tell all colleges that have accepted you whether you will attend or not.
- **(JUNE)**
  - Request a final transcript be sent from the Guidance office to the school you will attend.

## CAREER PLANNING GUIDE

What follows are examples of possible careers that fall into categories known as career clusters. For further information about how to align your course work with a particular career, please contact your guidance counselor.

### **INDUSTRIAL AND ENGINEERING CAREERS**

For all jobs in this cluster:

Typical Earnings: \$25,495 per year

Median Range: \$14,310 - \$91,750

Job Openings: 6,657,000 per year

Percent of all job openings: 23%

#### **Professional Careers:**

Job Openings: 393,000 per year

Typical Earnings: \$52,681 per year

- Many of these jobs will pay better with more education
- For those that require a four-year college degree:  
Range of median earnings: \$29,190 - \$91,750 per year

Computer Programmer	Aerospace Engineer	Airline Pilot	Pilot
Systems Analyst	Mining Engineer	Association Executive	Architect
Petroleum Engineer	Chemical Engineer	Ship Engineer	Physicist
Compliance Officer	Compliance Inspector	Construction Manager	Astronomer
Cost Estimator	Electrical Engineer	Flight Engineer	Chemist
Production Superint.	Industrial Engineer	Mechanical Engineer	Robotics Engineer

#### **Technical Careers:**

Job Openings: 341,000

Typical Earnings: \$32,391 per year

- Many of these jobs will pay better with more education
- For those that require a two-year college degree:  
Range of median earnings: \$23,540 - \$43,680 per year

Computer Programmer	Truck Mechanic	Aircraft Mechanic	Electrician
Systems Analyst	Union Executive	Auto Body Repairer	Millwright
Automobile Mechanic	Line Installer/Repairer	Cost Estimator	Pipefitter
Railroad Conductor/ Braker	Building Maintenance	Cabinet Maker	Ship Fitter
Telephone Installer/ Repairer	Rubber Processor	Ironworker	Blaster
Chemical Processor	Cement Mason	Computer Repairer	Technical Writer
Office Machine Repairer	Building Inspector	HVAC Mechanic	Bricklayer
Metalworker	Laser Technician	CNC Programmer	Carpenter
Patternmaker	Science Technician	Fork Lift Operator	Boilermaker
Rubber/Plastic Fabricator	Heavy Equip. Operator	Auto Shop Owner	Welding Inspector
	Small Engine Repairer	Precision Instrument	CAD Operator
	Tool & Die Maker	Computer Technician	Upholsterer
	Heavy Equip. Mechanic	Sheetmetal Worker	Quality Control Inspect.

#### **Entry Level Careers:**

Job Openings: 5,923,000 per year

Typical Earnings: \$23,294 per year

- Many of these jobs will pay better with more education
- For these jobs, you only need on-the-job training:  
Range of median earnings: \$13,340 - \$64,880 per year

Military	Air Traffic Controller	Aircraft Assembler	Roofer
Electronics Assembler	Production Assembler	Airline Crew Member	Welder
Auto Parts Counter Worker	Bus/Taxi Driver	Carpenter Assistant	Auto Detailer
Floor/Carpet Layer	Construction Laborer	Deckhand	Laborer
Rotary Driller	Drywall Installer	Forge Shop Worker	Janitor
Foundry Worker	Freight Handler	Grinder	Press Operator
Insulation Installer	Truck Driver	HVAC Technician	Mason Tender
Machine Operator	Building Supply Sales	Mechanic Helper	Mine Worker
Metal Refining Worker	Painter/Paperhanger	Packer/Wrapper	Machinist

## **HUMAN RESOURCES/SERVICES CAREERS**

### For all jobs in this cluster:

Typical Earnings: \$24,378 per year

Median Range: \$12,600 - \$78,200

Job Openings: 4,036,000 per year

Percent of all job openings: 14%

### **Professional Careers:**

Job Openings: 1,210,000 per year

Typical Earnings: \$37,898 per year

- Many of these jobs will pay better with more education
- For those that require a four-year college degree:  
Range of median earnings: \$16,500 - \$38,990 per year

Anthropologist	Archivist	
Civil Engineer	Clergy	Coach
University Professor	Corrections Officer	Counselor
Clerk of Courts	Politician	Education Administration
Secondary School Teacher	Interpreter	Librarian
Elementary School Teacher	Probation Officer	Lawyer
Law Enforcement Officer	Pre-School Teacher	Recreational Therapist
Regional Planner	Recreation Director	Special Education Teacher
Public Administrator	Sociologist	Judge
Social Scientist	Social Worker	Occupational Therapist
Vocational School Teacher	Behavioral Specialist	Stenographer

### **Technical Careers:**

Job Openings: 189,000 per year

Typical Earnings: \$23,735 per year

- Many of these jobs will pay better with more education
- For those that require a four-year college degree:  
Range of median earnings: \$13,480 - \$35,040 per year

Corrections Officer	Recreation Guide	Firefighter	Mail Carrier
Flight Attendant	Legal Assistant	Dispatcher	
Counseling Assistant	Pre-School Teacher	Security Guard	Court Clerk
Public Relations	Recreation Attendant	Legal Secretary	Travel Agent
Recreation Leader	Telephone Operator	Ticket Agent	Postal Clerk
Employee Benefits Specialist	Court Reporter	Court Services	Flight Attendant
	Childcare Worker	Family/Welfare Worker	

### **Entry Level Careers:**

Job Openings: 2,637,000 per year

Typical Earnings: \$18,698 per year

- Many of these jobs will pay better with more education
- For those that require a four-year college degree:  
Range of median earnings: \$12,590 - \$48,700 per year

Teacher Aide	Social Services Aide	Bus Person
Newspaper Carrier	Cashier	Childcare Worker
Nanny/Baby Sitter	Room Cleaner	Vehicle Cleaner
Collector	Waiter/Waitress	Service Station Attendant
Human Resources Assistant	Stockperson	Kitchen Helper
Library Assistant	Messenger	Counter Clerk
Social Service Aide	Tutor	Military

## **HEALTH SERVICES CAREERS**

### For all jobs in this cluster:

Typical Earnings: \$28,000 per year

Median Range: \$16,000 - \$125,000

Job Openings: 1,423,000 per year

Percent of all job openings: 5%

### **Professional Careers:**

Job Openings: 203,000 per year

Typical Earnings: \$59,000 per year

- Many of these jobs will pay better with more education
- For those that require a four-year college degree:  
Range of median earnings: \$27,800 - \$124,800 per year

Athletic Trainers	Audiologist	Speech Pathologist
Chiropractor	Dentist	Dietician
Embalmer	Funeral Director	OB/GYN
Health Service Administrator	Life Scientist	Internist
Nurse Practitioner	Registered Nurse	Optician
Optometrist	Pediatrician	Pharmacist
Physical Therapist	Podiatrist	Psychiatrist
Surgeon	Veterinarian	Nutritionist
Biologist	Physical Therapist	Medical Researcher
Health Educator	Physician	Research Scientist

### **Technical Careers:**

Job Openings: 470,000 per year

Typical Earnings: \$32,444 per year

- Many of these will pay better with more education
- For those that require a two-year college degree:  
Range of median earnings: \$19,870 - \$45,900

Medical Records Technician	Medical Secretary	Dental Assistant
Dental Hygienist	EEG Technician	EKG Technician
Health Technician	Home Health Aide	Dental Lab Technician
Emergency Medical Tech.	Nursing Assistant	Surgical Technician
Physical Therapist Assistant	Psychiatric Aide	Medical Technician
Radiological Technician	Respiratory Therapy	Licensed Practical Nurse
Health Service Administrator	Animal Caretaker	Pharmacy Technician

### **Entry Level Careers:**

Job Openings: 750,000 per year

Typical Earnings: \$16,921 per year

- Many of these will pay better with more education
- For these jobs, you only need on-the-job training:  
Range of median earnings: \$15,800 - \$22,200 per year

Medical Records Clerk  
Nursing Assistant  
Medical Receptionist  
State Tested Nurses Aide

Home Health Assistant  
Animal Caretaker  
Dental Assistant  
Phlebotomist

Nursing Home Assistant  
Military  
Pharmacy Assistant  
Lab Messenger

## **ENVIRONMENTAL & AGRICULTURAL CAREERS**

For all jobs in this cluster:

Typical Earnings: \$17,168 per year

Median Range: \$12,620 - \$42,750

Job Openings: 958,000 per year

Percent of all job openings: 3%

### **Professional Careers:**

Job Openings: 25,000 per year

Typical Earnings: \$37,396 per year

- Many of these jobs will pay better with more education
- For those that require a four-year college degree:  
Range of median earnings: \$32,070 - \$42,750 per year

Agricultural Engineer  
Landscape Architect  
Recreational Resort Manager  
Oceanographer  
Physical Scientist  
Petroleum Engineer  
Chemist  
Waste Mgmt. Researcher

Agricultural Scientist  
Earth Scientist  
Geographer  
Park Ranger  
Soil Scientist  
Marine Biologist  
Extension Specialist  
Veterinarian

Agronomist  
Game Warden  
Forester  
Life Scientist  
Meteorologist  
Environmental Researcher  
Agriculture Teacher  
Geologist

### **Technical Careers:**

Job Openings: 20,000 per year

Typical Earnings: \$29,356 per year

- Many of these will pay better with more education
- For those that require a two-year college degree:  
Range of median earnings: \$19,870 - \$31,030 per year

Agricultural Inspector  
Farmer  
Commercial Fisherman  
Groundskeeper  
Science/Math Technician  
Farm Sales Representative  
Ranch Manager

Animal Caretaker  
Rancher  
Floral Designer  
Farm Operations Manager  
Sanitation Manager  
Wildlife Ranger  
Meat Cutter

Farm Equipment Mechanic  
Fish/Wildlife Technician  
Forest Firefighter  
Pulp/Paper Worker  
Forest Technician  
Grain Elevator Operator  
Veterinary Technician

### **Entry Level Careers:**

Job Openings: 913,000 per year

Typical Earnings: \$16,809 per year

- Many of these will pay better with more education
- For these jobs, you only need on-the-job training:  
Range of median earnings: \$12,620 - \$25,800 per year

Military  
Ranch Hand  
Groundskeeper Assistant  
Pest Control Worker  
Lumber Production Worker  
Florist  
Garbage Hauler

Animal Caretaker  
Deck Hand/Fisherman  
Horticulture Worker  
Cannery Worker  
Petroleum Helper  
Nursery Manager  
Environmental

Farm Hand  
Food Processing Worker  
Logger  
Frozen Food Worker  
Landscape  
Pet Store Worker  
Clean-up Laborer

## **BUSINESS AND MANAGEMENT CAREERS**

### For all jobs in this cluster:

Typical Earnings: \$22,764 per year

Median Range: \$12,200 - \$55,890

Job Openings: 14,727,000 per year

Percent of all job openings: 52%

### **Professional Careers:**

Job Openings: 2,111,000 per year

Typical Earnings: \$47,447 per year

- Many of these jobs will pay better with more education
- For those that require a four-year college degree:  
Range of median earnings: \$29,800 - \$75,300 per year

Insurance Agent	Market Research	Management Analyst	Manager
Appraiser	Analyst	Business Manager	Buyer
Purchasing Agent	Business Executive	Economist	Actuary
Health Service Administrator	Compliance Officer	Union Executive	Bank Manager
Advertising Executive	Financial Advisor	Software Specialist	Business Owner
Quality Control Insp.	Hotel/Motel Manager	Mgmt. Consultant	Financial Planner
Office Manager	Loan Officer	Computer Programmer	Systems Analyst
Real Estate Manager	Personnel Manager	Restaurant Manager	Cost Estimator
Securities Salesperson	Marketing Management	Network Administrator	Auditor
	CPA/Accountant		

### **Technical Careers:**

Job Openings: 167,000 per year

Typical Earnings: \$33,667 per year

- Many of these will pay better with more education
- For those that require a two-year college degree:  
Range of median earnings: \$23,000 - \$37,100 per year

Advertising Manager	Bookkeeper	Accounting Clerk	Manager
Adjustment Clerk	Insurance Agent	Statistical Clerk	Baker
Real Estate Agent	Claims Adjuster	Retail Buyer	Retail Manager
Business Services Person	Chef	Display Specialist	Copywriter
Claims Examiner	Credit Clerk	Hotel Desk Clerk	Travel Agent
Cost Estimator	Computer Operator	Shipping & Receiving Clerk	Tax Preparer
Certified Network Technician	Medical Secretary	Medical Records Technician	Bank Teller
Office Machine Operator	Office Manager	Personnel Manager	Secretary
	Sales & Service Mgr.	Word Processor/Typist	Route Salesperson
	Telephone Sales		Legal Secretary

### **Entry-Level Careers:**

Job Openings: 12,449,000 per year

Typical Earnings: \$18,432 per year

- Many of these will pay better with more education
- For these jobs, you only need on-the-job training:  
Range of median earnings: \$10,700 - \$45,600 per year

Military	Counter Clerk	Retail Clerk
General Office Clerk	Stock Clerk	Computer Operator
Data Entry Operator	Office Machine Operator	Receptionist
Route Salesperson	Telephone Salesperson	Bank Teller
Sales Associate	Bookkeeper	Word Processing Specialist
Manager in Training	Customer Service Rep	Desktop Publisher
Car Salesperson	Display Specialist	Advertising Manager Asst.

## **ARTS AND COMMUNICATIONS CAREERS**

For all jobs in this cluster:

Typical Earnings: \$23,422 per year

Median Range: \$12,500 - \$57,300

Job Openings: 598,000 per year

Percent of all job openings: 2%

### **Professional Careers:**

Job Openings: 158,000 per year

Typical Earnings: \$33,490 per year

- Many of these jobs will pay better with more education
- For those that require a four-year college degree:  
Range of median earnings: \$26,480 - \$36,480 per year

Actor

Professional Athlete

Clothing Designer

Editor

Video Maker

Designer

Publisher

Cinema Studies

Public Speaker

Fine Artist

Radio Broadcaster

Patternmaker

Writer

Free Lance Writer

Musician

Technical Writer

Advertising Executive

News Manager

Performing Artist

Television Broadcaster

Interior Designer

Filmmaker

Graphic Designer

Reporter

Jeweler

Journalist

Interpreter

### **Technical Careers:**

Job Openings: 31,000 per year

Typical Earnings: \$21,714 per year

- Many of these will pay better with more education
- For those that require a two-year college degree:  
Range of median earnings: \$20,940 - \$25,260 per year

Actor

Compositor/Typesetter

Tailor

Lithograph Worker

Photofinisher

Singer

Radio Assistant

Creative Writer

Fine Artist

Free Lance Writer

Graphic Artist

Model

Photographer

Technical Writer

TV Assistant

Salon Manager

Broadcast Technician

Garment Fitter

Hair Stylist

Musician

Word Processor

Computer Artist

Public Relations Assistant

Reporter

### **Entry Level Careers:**

Job Openings: 409,000 per year

Typical Earnings: \$19,662 per year

- Many of these will pay better with more education
- For these jobs, you only need on-the-job training:  
Range of median earnings: \$12,520 - \$32,300 per year

Military

Word Processor

Hair/Nail Technician

Progressive Stylist

Model

Singer

Theatrical Make-up Artist

Resale Clerk

Photographer

Cosmetologist

Esthetician

Graphic Artist

**Fees can only be estimated at this time. The fees listed are subject to change.**

## **LANGUAGE ARTS**

- 001 READING 1** **½ credit**  
This course is designed to help those students who have difficulty with reading competency and the State Reading Proficiency Test. The student will study vocabulary, comprehension and study skills.
- 002 STUDIES IN THE NOVEL** **FEE: \$3.00** **½ credit**  
Studies in the Novel is an elective class for juniors and seniors who enjoy reading, discussing and analyzing literature. Sophomores may take the class with teacher approval. Course requirements include keeping a reading log, participating in class discussions, applying literary terms to individual books and reading at least the minimum number of books, both fiction and non-fiction, each grading period.
- 004 YEARBOOK** **½ credit**  
Students must complete an application and submit two teacher recommendations. One must be written by an English teacher. All staff members are required to solicit ads during the summer and turn them in on the first day of school. The course includes standard layout and design, picture cropping and copy editing. Each student is responsible for the completion of assigned pages and must meet the **FINAL DEADLINE**, or credit for the course will not be given.
- 012 ENGLISH NINE** **FEE: \$10.00** **1 credit**  
Freshman English is a required course for all ninth grade students. Upon entrance to this course, students must have read the assigned summer reading. The book title will be announced to all 8<sup>th</sup> grade students in the spring, but can also be provided by the high school office. This course is designed to give students experience with a variety of speaking, listening, reading and writing activities, as well as exposure to many areas of literature. Speeches, a research project, and various other projects are required. The above fee includes the required purchases of *SparkCharts' Research Style and Usage*, and *SparkCharts' Literary Terms*. The two SparkCharts will be used in English Nine through English Twelve. Students will also be required to purchase one supplemental novel, at the approximate cost of \$5.00, for this course as well.
- 022 ENGLISH TEN** **FEE: \$3.00 (new students \$10.00)** **1 credit**  
Successful completion of English Nine is required. Upon entrance to this course, students must have completed the assigned summer reading. The book title will be announced prior to the end of the school year. Sophomore English is a required course for all tenth grade students. Specific studies may vary, but the objective for all students is to improve their ability to communicate. This objective is realized through the four target areas of reading, writing, speaking and listening. Every activity covered during sophomore English directly relates to one or more of these targets. A research paper, speeches and essays are required components of this curriculum. Students will be required to purchase several supplemental novels. In addition, *SparkCharts* (possibly purchased for the freshman year) will be used in this course.

- 032 ENGLISH ELEVEN FEE: \$3.00 (new students \$10.00) 1 credit**  
 Successful completion of English Ten is required. In this required course for juniors, students will study major American authors in terms of essays, poetry, short stories and several novels. Assessment will emphasize composition as well as other forms of evaluation including tests and speeches. Students will be required to write at least one synthesis paper, as well as multiple styles of essays. Students may have to purchase up to two novels. The required auxiliary texts are *SparkCharts' Literary Terms* and *SparkCharts' Research Style and Usage*, possibly purchased for English Nine but may be purchased at Barnes and Noble. Upon entrance to this course, students must have read the summer reading announced to all tenth graders in the spring. Students can purchase the book in the high school office or borrow a copy from a *previous* student.
- 034 ADVANCED PLACEMENT ENGLISH 11 – Language and Composition 1 credit**  
**FEE: \$3.00 (new students \$10.00)**  
 Students are required to participate in a summer reading program **prior to the start of the year**. Students are required to purchase supplemental texts. This list may change yearly, but the cost can be decreased if students choose previously used texts (if available). Parental permission is required for this course. Other required supplemental tools are *SparkCharts' Literary Terms* and *SparkCharts' Research Style and Usage* purchased for English Nine or Ten. This is a college level course offered to eleventh graders that is designed to develop students' abilities as skilled analysts of a broad range of prose written in a variety of periods, disciplines and rhetorical contexts. Students will critically read and discuss how authors manipulate language and utilize modes of discourse and rhetorical strategies for a specific audience and purpose. Students frequently compose expository essays which will require prewriting, editing, revision, and publication of the final draft. In addition, students will produce analytical as well as persuasive/argumentative essays and in-class timed writes. This class is in accordance with the guidelines described in the AP English course description. Students have the opportunity to take the AP Exam (language and Composition) at the approximate cost of \$90.00, due March 1. The National exam is given in May. Students who are interested in this course should have at least a 3.0 grade average in prior English classes and may need a teacher recommendation. This is a weighted class. Cap of 20.
- 042 ENGLISH TWELVE FEE: \$3.00 (new students \$10.00) 1 credit**  
 This college preparatory class is designed to further student knowledge of language and literature. As a World Literature Survey course, the analysis of important prose, poetry and drama is required. A minimum of three full texts, to be purchased from the teacher at a discounted rate, will be studied during the course of the year. Students must also submit essays of various styles and types in preparation for college. The required auxiliary texts are *SparkCharts' Research Style and Usage* and *Literary Terms*, possibly purchased for English Nine or available at Barnes and Noble. A journal and a binder, for exclusive use in English Twelve, are also required.
- 044 ADVANCED PLACEMENT ENGLISH TWELVE FEE: \$3.00 (new students \$10.00) 1 credit**  
 Successful completion of Advanced Placement English Eleven or submission of an acceptable\* essay portfolio is required for this course. Students must be involved with the summer reading program, which may cost students approximately \$50.00 in books. The summer assignment must be received by the assigned due date. Failure to submit the assignment will result in removal from the AP class. This course is an accelerated version of the traditional College Prep. English Twelve course, concentrating on the analysis of prose, poetry and drama. Because this course requires college quality work and is taught at an accelerated pace, this is a weighted class. Independent reading and writing assignments will also help prepare students to take the required Advanced Placement Exam in English Literature and Composition in May. A passing score on the exam will afford students the opportunity to receive college credit in English. The cost of the exam is

approximately \$90.00, due March 1. The required auxiliary text is *Writer's Inc.*, possibly purchased for English Nine, or *SparkCharts' Research Style and Usage* and *Literary Terms*, available at Barnes and Noble. A journal and a binder, for exclusive use in English Twelve, are also required.

**\*Acceptable essay portfolio:** Students must submit a portfolio containing an essay of each type studied in AP English Eleven. This portfolio will receive a score of "acceptable" or "unacceptable", which will determine the students' placement. The portfolio must be received before the end of the students' junior year.

<b>979</b>	<b>ENGLISH 1</b>	<b>1 credit</b>
<b>980</b>	<b>ENGLISH 2</b>	<b>1 credit</b>
<b>981</b>	<b>ENGLISH 3</b>	<b>1 credit</b>
<b>991</b>	<b>ENGLISH 4</b>	<b>1 credit</b>

These courses are designed for select students. The courses cover a variety of writing and reading skills. An assortment of materials and texts are used in order to develop and increase reading, comprehension, writing, speaking and listening skills.

## SOCIAL STUDIES

- 140 SOCIAL STUDIES I** **1 credit**  
Social Studies I is an entry-level course that combines world history with events that are occurring around the world. For example, students will delve into the historical context of the conflict in the Middle East while using present day events as a frame of reference. Aspects of geography, economics, research, problem solving and student participation will be emphasized. Students will also devote time to preparing for the Ohio Graduation Test.
- 150 SOCIAL STUDIES II** **1 credit**  
This course is meant to connect a wide variety of social studies areas including U.S. History, World History, Geography and Economics. The emphasis is to be upon U.S. History. The concepts within this course are designed to be studied relating to the time period 1900 – 2009. The prerequisite for this course is Social Studies I. This is a required course for sophomores who have passed Social Studies I.
- 160 SOCIAL STUDIES III** **1 credit**  
American Government – foundations through present. In this course, senior students will analyze the various purposes, functions, and decisions of government which will ultimately provide them with the knowledge to participate in their own democracy. Students will be encouraged to develop the work habits, study skills, and test-taking strategies to allow for success in college and beyond. Topics will include political philosophy influential on American thought, principles and use of the Constitution, various aspects of nominations, elections and campaigns, the media, each of the three branches of government, civil liberties, state and local government, micro, macro, and personal economics, as well as others. The continued development of critical thinking in the analysis of governmental decisions now, and in the past, will be a key focus throughout the year. The course is a required course for seniors.
- 911 SOCIAL STUDIES II** **1 credit**  
This course is designed for select students. This course covers not only American History, but also economics, world history and geography. It takes a look at these issues over a time period from mid 1800's to present.

**165 PSYCHOLOGY** **FEE: \$3.00** **½ credit**  
 Psychology is a study in the science of human behavior. Subtopics may include theories of personality, adjustment to stress, child development, neurosis, psychosis, mental retardation, personality disorders and careers in psychology. Because of the difficult subject matter, this course is for junior and seniors.

**166 SOCIOLOGY**  
 This semester-long elective course for approved juniors and seniors will study people as they behave in group situations and their society as a whole. Students will be engaged in a great deal of group discussion, taking exams and quizzes, writing essays, as well as various other projects during the course of their studies. Some topics will include socialization (including gender socialization), gender, culture, race, social class and poverty, crime and deviance, the family and relationships, among several others. Multimedia may be used as supplements to the topics.

**SCIENCE**

SCIENCE CURRICULUM FLOW CHART							
Academic Yr.	Available Courses						
9th Grade	<i>Physical Science</i>				Biology		
10th Grade	<i>Life Science</i>	<i>Biology</i>			Chemistry II	Anatomy	
11th Grade	<i>Earth Science</i>	<i>Chemistry I</i>	<i>Anatomy</i>	<i>Physics</i>	Chemistry II	Anatomy	Physics
12th Grade		<i>Chemistry II</i>	<i>Chemistry I</i>	<i>Physics</i>	Chemistry II	Anatomy	Physics

**213 PHYSICAL SCIENCE** **FEE: \$7.00** **1 credit**  
 This inquiry-based course is designed to meet the new state standards for ninth grade science. It will focus mostly on the physical science concepts foundational to physics and chemistry, such as motion and atomic structure. These laws and theories along with earth science topics such as rock formation and plate tectonics will give students critical knowledge needed for passage of the Ohio Graduation Test (OGT) administered toward the end of their tenth grade year.

**242 LIFE SCIENCE** **FEE: \$7.00** **1 credit**  
 Prerequisite: Physical Science or teacher recommendation.  
 Life science is a class that studies how living systems function and interact with the physical world. This would include the studying of the following topics: structure and functioning of cells, principles of genetics, biological evolution, biodiversity, classification of organisms, cycling of energy and matter through the biosphere, and vertebrate and invertebrate animals. The class will have laboratory experiences and dissections will be done. **It is intended to prepare students for the life science section of the Ohio Graduation Test. Biology 1 may not be taken after this course as an additional science credit.**

**223 BIOLOGY 1** **FEE: \$7.00** **1 credit**  
 Prerequisite: Physical Science or approved placement  
 Biology is the study of life. In this general course we begin the study of life at the molecular levels and progress from the simple forms of life to the more specialized forms. Both plants and animals are studied in this way. The course includes many laboratory experiences.

- 880 EARTH SCIENCE** **FEE: \$8.00** **1 credit**  
 Prerequisite: Physical Science and either Biology 1 or Life Science  
 Inquiry based course designed to meet OGT Standards regarding Earth and Space Sciences. Topics will include, but are not limited to, Composition of the Earth, History of the Earth, Earth's Dynamic Processes (weather, plate tectonics, etc.), Oceans, Atmospheric Forces, Solar System and general space science applications.
- 881 EARTH SCIENCE** **FEE: \$10.00** **1 credit**  
 This course is designed for select students. Topics covered include: Earth and Moon System, Solar System, Stars and Galaxies, Earth Chemistry, Minerals, Rocks, Atmosphere, Weather and Climate, Weathering and Erosion, Forces in the Earth and current science magazine activities.
- 883 BIOLOGY** **FEE: \$10.00** **1 credit**  
 This course is designed for select students. It covers areas such as the following: Basic Living Organisms, Classification System, Five Kingdoms, Living Skills of Plants and Animals, Eight Systems of the Human Body, Reproduction, Growth, Development, Genetics, Ecology, Behavior, Evolution and current science magazine activities.
- 885 PHYSICAL SCIENCE** **FEE: \$10.00** **1 credit**  
 This course is designed for select students. Topics covered include: Properties and Structure of Matter, Classifying Elements, Compounds, Motion, Work and Machines, Heat, Electricity, Magnets and Electromagnetism.
- 224 ANATOMY AND PHYSIOLOGY** **FEE: \$8.00** **1 credit**  
 Prerequisite: Biology 1 and a "C" average in Chemistry are recommended.  
 Anatomy and Physiology is a class that examines the structure and function of the human body. Key concepts include the skeletal system, cells, tissues and organs, the muscles, the nervous system, the senses, the endocrine system, the cardiovascular system, the respiratory system and the digestive system. There are laboratory exercises with each chapter. Dissections are performed using chickens and fetal pigs. Laboratory tests are a part of each chapter's work. This class is primarily for students who plan to pursue post high school education in science or health related fields.
- 233 CHEMISTRY 1** **FEE: \$6.50** **1 credit**  
 Prerequisite: Algebra 1 (or equivalent) completed with Geometry concurrent.  
 Chemistry 1 deals with the many changes that matter undergoes. This science attempts to explain and to predict such changes. Topics covered include chemical and physical changes, atomic structure, chemical formulas and reactions, properties of matter, solutions, acids, bases and pH. Laboratory work introduces basic techniques and principles and includes numerous examples of analysis and unknown identification. To be successful, the student should have a good understanding of Algebra and be able to write and solve algebraic equations of simple to moderate complexity.
- 234 CHEMISTRY 2** **FEE \$6.50** **1 credit**  
 Prerequisite: Algebra 2 concurrently, Biology 1, Chemistry 1  
 Chemistry 2 is an advanced presentation of those topics not usually discussed in Chemistry 1. Topics covered include organic chemistry, separation techniques, quantitative analysis, energy changes, colligative properties, nuclear changes, equilibrium, kinetics and qualitative analysis. Greater emphasis is placed upon compound identification and unknown analysis than in the first year course. Chemistry 2 is intended for those students interested in a career in health care, engineering, or other science related fields. Emphasis is placed on laboratory techniques including the use of technology such as spectrophotometers, pH meters and other instrumentation, as well as the application of spreadsheets in the evaluation of laboratory data.

**241 A.P. CHEMISTRY** **FEE \$6.50** **1 credit**  
 Prerequisite: Chemistry I (with teacher recommendation, or Chemistry I and II)  
 Students are required to take the AP Chemistry Test in May of the academic year.  
 A college level chemistry course focusing on topics such as: thermodynamics, thermochemistry, physical behavior of gases, states and structure of matter, chemical equilibrium and kinetics, and the description and prediction of various chemical reactions. Laboratories will be based on the recommendations of the College Board. Emphasis will be given to developing increased competency in solving chemical calculations and problems in preparation for the AP Chemistry Test offered by the College Board toward the end of the academic year. The exam will cost approximately \$90. This is a weighted class.

**243 PHYSICS** **FEE: \$6.00** **1 credit**  
 Prerequisite: at least a "C" average in all prior math and science courses. Concurrent enrollment in Pre-Calculus is strongly recommended.  
 Physics attempts to strike a realistic balance between theory and practical application. Topics covered during the year vary among mechanics, matter and energy, heat measurement, light, sound, magnetism, electricity and nuclear energy. Because mathematics is the language of physics, an adequate preparation in Algebra and Geometry are essential. Elementary trigonometry will be necessary for problem solving early in the course. Typical skills needed to complete the course successfully are basic lab skills, analytical thinking and the ability to problem solve.

### MATHEMATICS

It is the goal of the Ontario High School math department to provide every student with the opportunity to succeed. Our graduation requirements dictate that each student earn three credits of math. We strongly suggest that a fourth credit be taken during the senior year because the new Ohio Core Graduation Requirements will be four credits effective with the class of 2014. It is important for a student to build upon a good foundation of mathematical concepts. It is therefore suggested that a prerequisite class be repeated if the student does not receive a grade of "C" or higher in the course. The student will not receive additional credit toward graduation; however, the student's transcript will reflect the higher grade. All students will be evaluated by the first interim report to determine if placement is appropriate.

<b>MATHEMATICS CURRICULUM FLOW CHART</b>				
<b>Academic Yr.</b>	<b>Sequence I</b>	<b>Sequence II</b>	<b>Sequence III</b>	<b>Sequence IV</b>
9th Grade	Geometry	Algebra 1	Math Connections 2	Math Connections 1
10th Grade	Algebra 2	Geometry	Algebra 1	Math Connections 2
11th Grade	Precalculus	Algebra 2	Geometry	Algebra 1
12th Grade	AP Calculus	Precalculus/Transitional	Algebra 2/Transitional	Transitional Math

**310 MATH CONNECTIONS I** **1 credit**  
 Prerequisite: Teacher recommendation. Math Connections I is offered for the student who feels they need additional work to improve their general mathematics skills. The course is designed to prepare students for mathematics objectives on the Ohio Graduation Test. Course work will concentrate on Algebra, Geometry, Data Analysis, Probability, Measurement and Number Sense. This class will specifically address the state standards as well as selected mathematical skills and applications necessary in modern life.

- 311 MATH CONNECTIONS II** **1 credit**  
 Math Connections II is recommended for those students earning a “C” or below in 8<sup>th</sup> grade mathematics or have successfully completed Math Connections I. This course will help students prepare for the objectives on the Ohio Graduation Test. This course will integrate algebra and geometry and will cover objectives similar to the Algebra 1 and Geometry courses with primary emphasis on applications and processes. The students will perform basic operations on directed numbers, learn the use of variables and solve algebraic equations. The principles of geometric patterns and shapes as well as the use of formulas that are an intricate part of mathematics will be studied.
- 313 ALGEBRA I** **1 credit**  
 Prerequisite: Connections II credit or Connections I / 8<sup>th</sup> grade math with at least a “B” average. A graphing calculator is required for this class. We recommend a TI-83 / TI-84 calculator. Algebra I introduces the students to the real number system and its concepts, and builds a foundation for more advanced courses. The students will perform basic operations on directed numbers, learn the use of variables and solve equations that are an integral part of mathematics. The students will work with various types of polynomials with emphasis on simplifying, solving and graphing solutions. Throughout the course a strong emphasis will be placed on developing techniques and strategies for understanding concepts through problem solving approaches. Algebra is an absolute necessity for all advanced math courses.
- 323 GEOMETRY** **1 credit**  
 Prerequisite: completion of Algebra I with at least a “C”.  
 A compass, protractor, and scientific calculator is required for this class.  
 Geometry is a course that examines both plane and solid figures with emphasis on inductive and deductive reasoning. This course is concerned with the relationships between points, lines, planes, angles and polygons. Geometry illustrates the method of logical reasoning as it pertains to mathematical ideas. Throughout the course, emphasis will be placed on developing techniques and strategies for understanding concepts through problem solving, constructions, and proofs.
- 333 ALGEBRA II** **1 credit**  
 Prerequisite: At least a “C” in Geometry. A graphing calculator is required for this class. We recommend a TI-83 / TI-84 calculator. Algebra II is a course combining elements of Algebra I and Geometry to extend students’ understanding of mathematical concepts introduced in those courses. Topics to be explored include basic algebra concepts, introduction to matrix algebra, rational, irrational and complex numbers, linear, quadratic, polynomial, rational, exponential, logarithmic, absolute value, and trigonometric functions.
- 343 PRE-CALCULUS** **1 credit**  
 Prerequisite: At least a B in Algebra II. A graphing calculator is required for this class. We recommend at TI-83 / TI-84 calculator. Pre-calculus is an advanced algebra course intended to extend the skills developed in Algebra I and II and prepare students for future study in calculus. Course work will concentrate on linear, quadratic, polynomial, rational, exponential, logarithmic, absolute value, and trigonometric functions.
- 345 TRANSITIONAL MATH** **1 credit**  
 This course is designed for Seniors to meet the Ohio Core Graduation Requirements for Mathematics. A graphing calculator is required for the class and we recommend a TI-83 / TI-84. The course will explore topics such as operations on numbers and expressions, linear equations and inequalities, polynomial and rational functions, exponential and logarithmic functions, function operations and inverses, trigonometry, probability and statistics. The course will help students to maintain and polish their math skills in preparation for post secondary education.

**344 ADVANCED PLACEMENT MATHEMATICS: CALCULUS AB** **1 credit**  
Prerequisite: grade of "B" or higher in Pre-calculus and/or have a recommendation of the pre-calculus instructor. This class carries a weighted grade.  
A graphing calculator is required for this class. We recommend a TI-83 / TI-84 calculator.  
Calculus is the mathematics of motion and change and these topics are considered through the study of functions, differential calculus and integral calculus. Differential calculus deals with the problems of calculating rate of change. The AP Mathematics; Calculus AB course consists of a full academic year of work in calculus comparable to such courses in colleges and universities. Students will be required to take the AB exam in calculus which is given in May. A suitable score on this exam will earn them tuition-free credit in an amount determined by the college/university they attend. The AB exam will cost approximately \$90.00.

**782 MATH 1** **1 credit**

**882 MATH 2** **1 credit**

**982 MATH 3** **1 credit**

**992 MATH 4** **1 credit**

These courses are designed for select students. The courses cover areas of basic math calculations, problem solving and math skills used in daily life. These classes also identify and help the student work on individual weaknesses in math skills.

## FOREIGN LANGUAGE

**413 SPANISH 1** **1 credit**

Prerequisite: "C" or higher in Language Arts.

Spanish 1 is an introduction of the Spanish language employing listening, speaking, reading and writing skills. The student will be introduced to various facets of life in Spanish speaking countries. Students may be required to purchase a workbook and/or a dictionary. This class is for students who have never taken Spanish.

**423 SPANISH 2** **1 credit**

Prerequisite: "C" or higher in Spanish I or teacher recommendation.

Spanish 2 is a continuation of the skills and study of culture begun in the first year. A study of Latin America is included at this level. Students may be required to purchase a workbook and a supplemental reader and dictionary.

**433 SPANISH 3** **1 credit**

This course will consist of review and reinforcement of grammar and vocabulary covered in Spanish I and 2 and will proceed to more complex structures. At this level, more emphasis will be placed on oral proficiency to improve individual expression in the language, as well as the customs and culture of Mexico and Central America. Students may be required to purchase a supplemental reader and dictionary.

**443 SPANISH 4** **1 credit**

Spanish 4 is a much more detailed study of all facets of the language. In this course, all major grammatical concepts are reviewed so that students will be well prepared for the college entrance tests. The history, geography and culture of Spain and Latin America may also be studied. Students may be required to purchase a supplemental reader. A dictionary is necessary for the course.

**444 SPANISH 5** **1 credit**

Spanish 5 is an in-depth study of the grammar and its exceptions. The culture and customs of Spain will be further explored. The geography, music, and literature will be studied. An abridged novel may be read in the spring.

- 453 FRENCH 1** **1 credit**  
 French 1 introduces the student to French culture, language and grammar including geography and food in the various French speaking countries. Emphasis is on the spoken language, but listening, reading and writing skills are also practiced. Students start exploring the French speaking countries of the world.
- 463 FRENCH 2** **1 credit**  
 Prerequisite: "C" or higher in French 1 or teacher recommendation for students with a D.  
 This course is a continuation of culture and skills begun in French 1. There is increased emphasis on written French, as well as French culture and history using the textbook and internet sources. Students do a survey-study of French speaking countries in the world and of French contributions to the world.
- 473 FRENCH 3** **1 credit**  
 This course concentrates on the reading and writing skills in more depth. More class time is spent on speaking the language. French culture and history will be presented in a unit on the provinces of France. Students may be required to purchase a supplemental reader to get acquainted with French literature. Students do a survey-study of all regions of France.
- 483 FRENCH 4** **1 credit**  
 French 4 is a more detailed study of all facets of the language. There is more emphasis placed on expanding vocabulary and expanding the reading, writing and oral communication skills. Reading selections are chosen from a variety of French authors. An in-depth study of French speaking Africa is done.
- 484 FRENCH 5** **1 credit**  
 French 5 is an in-depth study of the history, culture and customs of French speaking countries, specifically France, as well as a final review of all grammar aspects. There is a big emphasis on speaking in French.

**French 4 and 5**, due to scheduling students may be placed into other foreign language classes. They will work independently, using a syllabus, the textbook and teacher prepared materials.

#### FAMILY AND CONSUMER SCIENCES

- 509 LIFE LESSONS A** **½ credit**
- 510 LIFE LESSONS B** **FEE: \$25.00** **½ credit**  
 Grade Level: Freshman, Sophomore and Junior  
 This year long course (divided into 2 semesters) deals with the day-to-day living skills for youth. Skills emphasized are resource management, personal development, foods and nutrition, sewing skills, child development, housing, goal setting and family relationships.
- 511 APARTMENT LIVING** **FEE: \$20.00** **½ credit**  
 Grade Level: Sophomore, Junior and Senior  
 This class will prepare you for life on your own. Areas covered include finding an apartment, buying a car, checking, credit and money management skills. Workplace skills and careers are also covered.
- 512 FOOD POWER AND FITNESS** **FEE: \$20.00** **½ credit**  
 Grade Level: Freshman, Sophomore, Junior, and Senior  
 This is an in-depth study of nutrition, food and exercise; how it affects our life-long health and general day to day performance as a student and/or athlete. Food preparation skills are also developed. **Student must be willing to work in groups and try new foods.**

- 521 RELATIONSHIPS** **FEE: \$5.00** **½ credit**  
 Grade Level: Sophomore, Junior and Senior  
 This class deals with personal relationships and marriage. Communication skills, understanding yourself, understanding marriage and family are major areas of emphasis. **Students must be willing to participate in class discussions and activities.**
- 550 CONSUMERISM/COMMUNITY INVOLVEMENT: AN EXTENSION OF FCCLA** **FEE: \$5.00** **½ credit**  
 Grade Level: Sophomore, Junior and Senior  
 This class focuses on leadership and community service. National membership (including dues) is required in FCCLA. Skills in resource management, planning process, parliamentary procedure, money management, and personal development will be emphasized. **Curriculum is subject to change.**
- 531 PARENTING & CHILD DEVELOPMENT** **FEE: \$5.00** **½ credit**  
 Grade Level: Sophomore, Junior and Senior  
 This class will prepare students for the most important job they may undertake, that of parents. Included is family planning, readiness for parenting, prenatal development, birth, infant care, and meeting the physical, social, intellectual and emotional needs of children. Discipline and current events in child related news is also discussed.
- 522 CULINARY SMARTS 1** **FEE: \$25.00** **½ credit**  
 Grade Level: Sophomore, Junior and Senior  
 In this class students will have a wide variety of food experiences. Special emphasis will be on preparing all types of foods and on food preparation skills. **Students must be willing to try new foods, work in groups cooperatively, and manage time efficiently.**
- 523 CULINARY SMARTS 2** **FEE: \$25.00** **½ credit**  
 Grade Level: Sophomore, Junior and Senior  
 Prerequisite of Culinary Smarts 1  
 This class is a continuation of Culinary Smarts 1. Students will continue to study different types of foods. **Students must be willing to try new foods, work in groups cooperatively, and manage time efficiently.**
- 947 CAREER EXPLORATION**  
 This course is designed for select students. Students will be taught many of the skills surrounding basic daily living and job placement including basic computer instruction for the transition after high school. Students will receive instruction in the following: job search skills, resume writing skills, job interviewing skills, career information, money skills, test-taking, college opportunities, and everyday living skills.

### **TEACHING PROFESSIONS**

- 637 FOUNDATIONS IN EDUCATION** **1 credit**  
 Have you ever thought about becoming a teacher? If you have, this course is for you! Foundations in Education is a course designed to give students an introduction to the field of education with particular emphasis on exploring education as a career. It provides students the opportunity to learn such subjects as careers in human services, teaching strategies, certification and licensure, professionalism, learning environment, technology in education, assessment, planning instruction, communication skills, history of education, classroom discipline, ethics, and child psychology. This course is a prerequisite to entrance into the three field based courses, Teaching Professions I, II, III. *Prerequisite: Pioneer application approval, a desire to explore teaching as a career.*

- 638 TEACHING PROFESSIONS I, II, III** **1 credit each**
- 639** Prerequisite: Foundations in Education
- 626** Have you ever wondered what it would be like to be a teacher? Have you ever wanted to gain college credit while taking a course in your local high school? Now you can while working with a teacher in the Ontario Local Schools (K-12)! Teaching Professions I, II, and III are series courses designed to give students their first hands-on experience working in a supervised classroom setting (K-12) in the Ontario School District. Students will work with a volunteer mentor teacher. They will be observed and coached by the course instructor, Mr. Burgess. One day a week the students will meet at Ontario High School in room 211 to share their experiences and work on professional portfolios. Four days a week students will be in placement in a classroom. *Articulation: Students completing the entire program with a B or higher have the opportunity to get college credit for their work at local and regional colleges and universities.*

### **CAREER BASED INTERVENTION PROGRAM**

The Career Based Intervention Program (C.B.I.P.) is a work study program designed to assist the student in finding a place of employment and to participate in a special academic program dealing with practical matters that will help in their adult life. All students must make application to be enrolled in C.B.I.P. which is open to only juniors and seniors.

The enrollment and employment of the student shall conform to all federal, state, and local laws and regulations, including non-discrimination against any applicant or employee because of race, color, sex, or national origin. This policy of non-discrimination shall also apply to qualified handicapped individuals.

- 561 C.B.I.P. RELATED** **1 credit**  
 This class covers a variety of areas such as: finding and applying for a job, job safety, consumer buying, budgeting, bank services, checking and savings, using credit, buying insurance and paying taxes. The class also emphasizes such areas as basic math, communication skills in today's society, and many other related situations in the world of work.
- 562 C.B.I.P. INTERVENTION** **1 credit**  
 This class will be designed to help students with Academic Intervention.
- 564 C.B.I.P. JOB EXPERIENCE** **1 to 3 credits**  
 The students in the Career Based Intervention Program work at a cooperative place of employment for which they receive wages and high school credit toward graduation. The student will receive one credit for every 120 hours of work experience, with the maximum number of credits being three. The student is evaluated each grading period by the coordinator and the employer as part of his/her work grade.

### **INDUSTRIAL TECHNOLOGY**

- 610 HOME WOODWORKING** **FEE: \$15.00** **½ credit**  
 This is a beginning woodworking course emphasizing safety, woodworking concepts, tools and machines. Several class projects will be built utilizing machines. Students will pay for their lumber and finishing supplies used in class. Safety glasses and lock are required.

- 622 FURNITURE 1** **FEE: \$30.00** **1 credit**  
 This is an introductory course in woodworking emphasizing construction details and creative design. Cost analysis, machine setup and safety will be stressed. Several class projects will be built utilizing all machines. Students will pay for their lumber and finishing supplies used in class. Safety glasses and lock are required.
- 624 FURNITURE 2** **FEE: \$30.00** **1 credit**  
 This is a continuation of Furniture 1 with emphasis being placed on a design and construction of a major project by the student. Advanced machine setup and safety will be stressed. This course may be repeated for credit. Students will pay for their lumber and finishing supplies used in class. Safety glasses and lock are required.
- 624 FURNITURE 3** **FEE: \$30.00** **1 credit**  
 This is a continuation of Furniture 2. Students are to work independently on design and creation of a major piece of furniture or cabinet. Students will also study history of furniture design. Safety will be stressed. Students will pay for their lumber and finishing supplies used in class. Safety glasses and lock are required.
- 621 FURNITURE 4** **FEE: \$30.00** **1 credit**  
 Grade Level: Senior  
 A continuation of designing and creating furniture or cabinet pieces learned during Furniture 3. Students will pay for their lumber and finishing supplies used in class. Safety glasses and lock are required.
- 627 COMPUTER GRAPHICS** **FEE: \$5.00** **½ credit**  
 Computer Graphics is a semester course designed to teach the student the computer skills needed to develop 3 dimensional models. The course develops models from ideas generated through the student and teacher. Students will take an idea, sketch the idea on paper and bring it to life on the computer.
- 628/629/**
- 630 RHINO I, II, III** **FEE: \$10.00** **1 credit**  
 Rhino is an advanced computer drafting course. The students are able to design in the world of 3 dimensions. With the help of the computer students generate their ideas into computer models. Students are given free range in gathering ideas from the internet through magazines and in developing their own ideas. Projects flow from ideas to sketches, through research and are turned into 3 dimensional models designed on the computer. Models may be built to help visualize the projects.
- 636 ARCHITECTURE** **FEE: \$6.00** **½ credit**  
 A prerequisite of Computer Graphics or Rhino is needed. Architecture is a semester course designed to acquaint the students with the fundamentals of architecture. Students develop architecture ideas with the aid of the computer. Students design floor plans that are architecturally correct. Models are built from the plans.
- 640 TECHNICAL ILLUSTRATIONS** **FEE: \$6.00** **½ credit**  
 A prerequisite of Computer Graphics or Rhino is needed. Technical Illustrations is an advanced computer drafting course. The course is designed to give students the basics of pre-engineering skills. The students use dimensioned ideas and, with the help of the computer, develop their ideas into three-dimensional models. Models are built from the drawings designed by the students.

## VISUAL ARTS

- 680 DIGITAL IMAGING/PHOTOSHOP/ FEE: \$20.00 ½ credit**  
**DIGITAL PHOTOGRAPHY**  
Grade Level: sophomore, junior or senior  
This class covers the various aspects of computer generated or manipulated images used in the creation of artwork for print, multimedia and online graphics. This course is designed to give students a general knowledge of computer generated artwork, photo manipulation and desktop publishing experiences. Students will learn how to use Photoshop, Illustrator, In Design and Corel Draw along with other software programs.
- 670 ART 1 FEE: \$40.00 1 credit**  
This course is designed for students wishing to develop skills, sensitivity, appreciation and understanding of art. Basic art concepts and vocabulary will be studied in studio projects, responding to art of the past and present, and responding to other related arts. Students will be encouraged to become critically aware of their own work and the work of others. Areas explored will include drawing, design, painting, graphics, crafts and/or fibers, sculpture and/or ceramics. Students may be expected to furnish some supplies for special projects.
- 671 ART 2 FEE: \$40.00 1 credit**  
Prerequisite: Art 1 (B or above average)  
This course reinforces foundation concepts and skills studied in Art 1. Students will continue the study of drawing, design, painting, graphics, crafts and/or fibers, sculpture and/or ceramics. Topics will include art of the past and present, vocabulary, basic art concepts, the related arts and critical awareness of the visual arts. Students may be expected to furnish some supplies for special individual projects.
- 672 ART 3 / 4 FEE: \$40.00 1 credit**  
Prerequisite: Art 2 (B or above average)  
This course furthers the development of concepts and skills studied in Art 1 and Art 2 with additional emphasis on personal expression and response. Emphasis will be placed on in-depth study and/or more advanced techniques in areas of drawing, design, painting, graphics, crafts and/or fibers, sculpture and/or ceramics chosen to express personal ideas. Continued study of related art history, vocabulary, the related arts and art concepts will be included. Students will continue to critically evaluate individual work and the work of others. Students may be expected to furnish some supplies for special individual projects.
- 675 CERAMICS FEE: \$30.00 ½ credit**  
Grade Level: sophomore, junior or senior  
This semester course is designed for students interested in learning the basics of working in the medium of clay. We will create both hand built and wheel thrown projects in solving given design assignments. Students will become familiar with the complete process of producing ceramics including forming, bisque firing, glazing, glaze firing and recycling the clay.
- 676 CERAMICS 2 FEE: \$30.00 ½ credit**  
Prerequisite: Ceramics 1 (B or above average)  
Grade Level: sophomore, junior or senior  
This semester course will help students develop refined techniques in the medium of clay. Students will work on a variety of skills including loading and firing electric and raku kilns, wheel throwing and hand building.

- 678 DRAWING & PAINTING** **FEE: \$30.00** **½ credit**  
 Grade Level: sophomore, junior or senior  
 This semester course is designed for students that want to improve their drawing and painting skills. We will focus on drawing from life and interpreting 3-D objects. Students will have a chance to develop their own style as well as work in the style of master artists and other cultures.
- 635 DRAWING & PAINTING 2** **FEE: \$30.00** **½ credit**  
 Prerequisite: Drawing & Painting 1 (B or above average)  
 Grade Level: sophomore, junior or senior  
 This semester course will help students develop refined techniques in the media of drawing and painting. Emphasis will be placed on the finished product and portfolio development. Students will be given specific concepts to develop creatively into original works of art.
- 690 VIDEO/BROADCAST PRODUCTION** **½ credit**  
 Grade Level: junior or senior  
 The Video/Broadcast Production course will provide students with a basic understanding of the technology behind video as an information medium and some of the ways in which it is created to achieve its desired effect on an audience. Upon completion, students should be able to demonstrate production skills and techniques as it relates to producing a variety of video formats. Example formats might include producing a school news program, student presentations, team sports highlights, community documentaries and promotional advertising commercials. Students must apply for and be accepted into the video/broadcast production course.

### **BUSINESS EDUCATION**

- 711 RECORDKEEPING/GEN BUS** **FEE: \$25.00** **1 credit**  
 This yearly course will examine key elements for those seeking a degree in business. All concepts covered are those required at the business level. Students will develop skills in areas for keeping company records, computation of a business payroll, petty cash, inventory control, maintaining a checking/saving account, as well as an introduction to business management. Once every nine weeks, students will have an opportunity to work in a team setting. Activity topics will include personal budgeting, marketing a product, and problem solving situations for employees/managers.
- 714 PERSONAL FINANCE** **½ credit**  
**Required for Graduating Class of 2012.**  
 This course will empower students toward financial stability in their futures. Utilizing computer software sites to reinforce investment terminology, students will experience the monetary rewards of a lifetime journey of personal financial planning. Students will discover ways to maximize their earnings potential, develop strategies to manage their resources and gain insight into the multitude of investment vehicles available to them. Students will actively manage personal portfolios including 401K's, Roth IRA's, Mutual Funds, ETF's, IPO's, real estate ventures and weekly buying/selling of blue chip stocks. In addition, students will develop expertise involving personal credit use to maximize home, car, and insurance purchases, opportunity costs, and how the economic/business cycle impacts all investors.

**715 BUSINESS LAW** **½ credit**  
This semester course is available for sophomores, juniors and seniors. Students will examine legal issues that face business and society such as murder/manslaughter, drug/alcohol enforcement, marriage/divorce, corporation law, contracts/warranties, wills and laws for minors. Through challenges of determining court case outcomes students will be better prepared than most citizens to recognize legal problems and also be prepared for introductory business law classes at the college level.

**733 ACCOUNTING 1** **FEE: \$25.00** **1 credit**  
This year long course for sophomores, juniors and seniors is a key component of study for those seeking a business and/or accounting career. For positive course outcomes, it is recommended that students complete Algebra 1 with a “C” average or better prior to taking Accounting. Accounting students will examine the fundamentals of accounting concepts, principles and procedures. Students will utilize the computer to format simulation type problems and spreadsheet functions. At the completion of this course, students will be prepared for college accounting coursework. A workbook is required and the cost is included in the class fee.

### **PHYSICAL EDUCATION**

**810/**  
**811 PHYSICAL EDUCATION 1** **¼ credit**  
The objective of physical education is to prepare the students physically and mentally for activities they will enjoy now and will be able to use later in life. Team and lifetime sports will be included in the curriculum. The development and/or improvement of skills, coordination, strength conditioning, knowledge of different sports, and self-discipline are prime concerns for this course.

**820/**  
**821 PHYSICAL EDUCATION 2** **¼ credit**  
The objective of this course is to prepare the students physically and mentally for activities they will enjoy now and will be able to use later in life. Emphasis will be placed on individual activities and lifetime sports and fitness. We will work on these aspects through the various forms of recreational and team sports.

**812 HEALTH** **½ credit**  
Subjects covered will be nutrition and the value of food; physical, mental/emotional, and social health; harmful effects of drugs; drug abuse; alcohol; tobacco and sexually transmitted infections (House Bill 189 requires public schools to emphasize abstinence from sexual activity). Personal safety and assault prevention will also be included within the curriculum. First aid, CPR and fire prevention are offered with the opportunity of becoming certified in CPR.

**830 ADVANCED PHYSICAL EDUCATION** **½ credit**  
Prerequisite: Physical Education 1 and 2  
This course for juniors and seniors provides a variety of activities that will strengthen the body not only through team sports but leisure time sports. Emphasis is placed on sportsmanship, fair play and appropriate behavior at all times. This class provides for the advancement of skills already learned as well as officiating and coaching techniques. Students will take field trips to various recreation centers. Cost of the field trips will be the student’s responsibility.

**834 WEIGHT LIFTING** **½ credit**

Prerequisite: Physical Education 1 and 2 (Junior or Senior)

In this course for Juniors and Seniors, heavy weight lifting for strength and bulk will be the main objective. In addition, students will be required to demonstrate proper weight lifting techniques and adhere to the safety of the weight room rules. Students will be tested each nine weeks and will be required to increase strength for a passing grade. An emphasis will be placed on the development of strength, maintaining and/or increasing flexibility, safety, proper spotting techniques, different weight lifting routines and programs. This course demands physical effort and self discipline.

**BAND/CHOIR**

**953 MARCHING/CONCERT BANDS** **FEE: \$5.00** **1 credit**

The Marching, Concert and Symphonic bands are performing groups which includes continuation of basic fundamentals in instrumental music, production and performance with special emphasis on the perception of musical understandings and attitudes through exposure to a variety and quantity of music literature and its performance. Outside preparation and practice is required. The Marching band performs at all football games as well as selected community and civic functions. The Symphonic and Concert bands prepare and perform music of high quality in a variety of types and styles. Several home concerts are given each year with special performances at district and state adjudicated events. Selected students also participate in annual solo and ensemble events. Students enrolling in this course are to remain for the entire school year.

**963 JAZZ BAND** **1 credit**

The Jazz band is a performance oriented group with limited membership as determined by proper instrumentation and performing ability. Its purpose is to acquaint the student with the various types of music written for this medium (rock, swing, Latin-American, ballads, etc) through actual performance of representative literature in an appropriate style. Several performances are given each year for school as well as various community functions. Membership in the Jazz band is contingent upon membership in the Marching, Concert and Symphonic bands; it is not a substitute for them. The Jazz band is a select group with membership determined on an individual basis and its members are selected by the instrumental music director.

**973 CONCERT CHOIR** **FEE: 5.00** **1 credit**

Concert Choir is a 30-75 student performing group of mixed voices. Any student in grades 9-12 is eligible for membership based upon the results of his/her audition. A student must display sufficient musical talent, vocal technique, musicianship and positive attitude in order to be selected for this group. Previous choral experience is desirable but may be waived in some cases. This group will perform at various times during the school year, some of which are the annual fall, Christmas and spring concerts, all choir contests, solo and ensemble contest, choir festivals and graduation. Many styles of music will be studied and performed ranging from popular to sacred "serious" music. Only those students showing genuine desire and interest in a quality musical performance will be considered for membership. **An audition with the director is mandatory.**

**974 CHOIR** **FEE: \$5.00** **1 credit**

This Choir is an elective for students who enjoy singing and have a desire to learn and perform. Throughout the school year this group will perform at various functions, including the annual fall, Christmas and spring concerts, choir contest and solo and ensemble contest. Several styles of music will be studied and performed and emphasis will be placed on basic vocal skills and musical knowledge. Previous choral experience is not required; however, **an audition is mandatory.**

## **MULTIDISABLED/LOW INCIDENCE PROGRAM**

Students in the Multidisabled/Low Incidence (MD/LI) class follow an adapted curriculum including experiences within the community for life skill development. Functional academics such as Reading for Enjoyment, Language Arts, Math Concepts, Science Concepts, Social Studies Concepts, Exercise Skills, Daily Living Skills, Cooking/Culinary and Vocational Skills are taught in the classroom.