

Clay High School  
**Clay High School**  
**Scheduling, Course Offerings,**  
**Grades & Graduation**



2016-2017  
**2016-2017**

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# GENERAL INFORMATION

## Administration

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Clay High School

James Jurski

Principal

5665 Seaman Road

Nathan Quigg

Assistant Principal

Oregon, OH 43616

Steve Bialorucki

Career & Technology Director

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## Counseling

419-697-3434

Brandi Birr

A – G Grades 9-12

Andy Ramsey

H – O Grades 9-12

Beth Kohler

P – Z Grades 9-12

## CHS Mission Statement

*Clay High School is committed to promoting student development by offering diverse and challenging educational opportunities that engage our students and empower them with academic, social, creative, and technical skills to become more productive and responsible citizens.*

## Oregon City Schools

5721 Seaman Road

Oregon, OH 43616

### Oregon City Schools Mission Statement

*This mission of the Oregon City Schools, a comprehensive system in a diverse community, is to guarantee each student the pursuit of academic excellence, moral integrity and career readiness by offering intellectual challenges and career education options in a framework of high expectations and community support.*

District Administration Office • 419-693-0661

Hal Gregory

Superintendent

Dean Sandwisch

Director of Business Affairs

Dee Hepperly

Director of Special Education

Jennifer Conkle

Director of Teaching & Learning

Dawn Henry

Coordinator of Teaching & Learning

Dawn Schiavone

Director of Technology

Jane Fruth

Treasurer

### Board of Education

Michael Csehi

Carol-Ann Molnar

Keith Kennedy

Jeff Ziviski

Heather Miller

### Statement Of Compliance With Federal Laws

The Oregon City School District complies with federal laws, which prohibit discrimination in programs and activities receiving federal assistance.

- Title VI of the Civil Rights Act of 1964 prohibits discrimination on the basis of race, color, national origin.
- Section 504 of the Rehabilitation Act of 1973 prohibits discrimination on the basis of sex.
- The Age Discrimination Act of 1975 prohibits discrimination on the basis of age.
- Title IX of the Education Amendments of 1972 prohibits discrimination on the basis of sex.

The Oregon City School District also complies with the Family Education Rights and Privacy Act of 1974, which grants to parents/guardians the rights to examine their children's official school records.

Inquiries regarding unlawful discrimination may be directed to:

**Hal Gregory**, Assistant Superintendent

Oregon City Schools

5721 Seaman Road

Oregon, Ohio 43616

419-693-0661

# Clay High School Graduation Requirements

## *Graduating Classes of 2016, 2017 & 2018*

Students must meet both testing requirements and curriculum requirements in order to earn a diploma. The following outlines the credits which must be earned to graduate from Clay High School. Testing requirements are outlined later in this document.

### Curriculum Requirements

Units	Subject	Criteria
4 units	English Language Arts	
4 units	Mathematics	Mathematics units must include 1 unit of algebra II or the equivalent of algebra II.
3 units	Science	Science units must include 1 unit of physical sciences, 1 unit of life sciences and 1 unit advanced study in one or more of the following sciences: chemistry, physics, or other physical science; advanced biology or other life science; astronomy, physical geology, or other earth or space science.
3 units	Social studies	Social studies units must include ½ unit of American history, ½ unit of American government, and ½ unit of Economics & financial literacy.
½ unit	Health	
½ unit	Physical education	The Ohio Core allows school districts to adopt a policy that would exempt students who participate in interscholastic athletics, band or cheerleading for two full seasons from the physical education requirement.
5 units	Electives	Electives units must include <b>one</b> or any combination of foreign language, fine arts, business, career-technical education, family and consumer sciences, technology, agricultural education or English language arts, mathematics, science or social studies courses not otherwise required.
1 unit	Fine arts	Students following a career-technical pathway are exempted from the fine arts requirement.

Source: Ohio Department of Education (Rev. Jan. 6, 2009).

#### **PLEASE NOTE:**

- Students are expected to be enrolled in at least six periods per day.
- No student shall be permitted to graduate or to participate in the commencement exercise without having first fulfilled requirements for graduation established by the Oregon Board of Education and the Ohio Department of Education.
- Most courses earn .5 credits per semester except the career and technology classes, which vary from .5 units of credit to 2.25 units of credit per semester, and phys. ed. which earns .25 credit per semester.
- Students are allowed to take college classes that will also count for credit at Clay High School. If these courses are taken outside of the College Credit Plus program, they will be taken at the student's expense. Any course taken must be pre-approved by the student's counselor.
- All students will be required to take Integrated Language Arts 9, 10, 11 and 12. Sports Literature may be taken in place of ILA 11 or ILA 12 during the 11<sup>th</sup> or 12<sup>th</sup> grade year.

# High School Academic Diploma with Honors

## *Graduating Classes of 2013 and Beyond*

Students need to fulfill only 7 of the following 8 criteria.

### Curriculum Requirements

Subject	Criteria
English	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
Science	4 units, including physics and chemistry
Social Studies	4 units
Foreign Language	3 units, including at least 2 units in each language studied
Fine Arts	1 unit
Career-Technical	Not counted toward requirements and may not be used to meet requirements
Electives	Not counted toward requirements
Grade Point Average	3.5 on a 4.0 scale
ACT/SAT Score [excluding scores from the writing sections]*	27 ACT / 1210 SAT
Additional Assessment	None

\*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 health
- ½ unit in American history
- 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.

# Career-Technical Diploma with Honors

## *Graduating Classes of 2013 and Beyond*

Students need to fulfill only 7 of the following 8 criteria.

### Curriculum Requirements

Subject	Criteria
English	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
Science	4 units, including two units of advanced science
Social Studies	4 units
Foreign Language	Not counted toward requirements
Fine Arts	Not counted toward requirements
Career-Technical	Now counted in Electives
Electives	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
ACT/SAT Score [excluding scores from the writing sections]*	27 ACT / 1210 SAT
Additional Assessment	Achieve the proficiency benchmark established for the appropriate Ohio Career-Technical Competency Assessment or the 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 health

½ unit in American history

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.

# STATE OF OHIO TESTING REQUIREMENTS

It takes a united effort of student, teacher, administration and parents to insure success for all students on the OGT. Parents are urged to go the Ohio Department of Education website: [www.ode.state.oh.us](http://www.ode.state.oh.us). There is a wealth of information on the OGT and new OST including practice tests and materials that can be accessed from home.

## **Ohio Graduation Test (OGT) - Classes of 2016 & 2017**

The classes of 2016 and 2017 are required to pass the Ohio Graduation Test (OGT) to graduate from high school. The OGT includes reading, math, writing, science and social studies. Students take the OGT for the first time in March of their sophomore year and the test covers material through the tenth grade. The questions on the OGT require higher level thinking skills as each test includes a written portion. The curriculum has been aligned to insure that students are being instructed in all areas that will be on the OGT.

Any student who fails the OGT will have the opportunity to retake the OGT in the summer as well as October and March of the junior and senior year. OGT intervention is offered in summer school.

## **Alternative Way to Meet the Ohio Graduation Testing Requirements**

A student may meet the testing requirements for passing all five Ohio Graduation Tests if he or she meets ALL of the following criteria:

- Passes four of the five tests and has missed passing the fifth test by no more than 10 points;
- Has a 97 percent attendance rate, excluding any excused absences, through all four years of high school and must not have had an expulsion in high school;
- Has at least a grade point average of 2.5 out of 4.0 in the courses of the subject area not yet passed;
- Has completed the high school curriculum requirement;
- Has participated in any intervention programs offered by the school and must have had a 97 percent attendance rate in any programs offered outside the normal school day; and
- Has letters recommending graduation from the high school principal and from each high school teacher in the subject area not yet passed.

*NOTE: As specified in the Ohio Revised Code (Section 3313.615), this alternative way to meet the testing requirement applies only to students graduating after Sept. 15, 2006.*

## **State of Ohio Tests – Classes of 2018 and Beyond**

State of Ohio Tests are replacing the OGT for the Classes of 2018 and beyond. Students are required to take end of course (EOC) assessments annually in the following courses throughout high school: ELA 9, ELA 10, Algebra I, Geometry, Physical Science (Class of 2018 only), Biology (Class of 2019+), U.S. History and U.S. Government. Each test earns a performance level score of 1-5.

Students will be required to achieve a minimum composite score of 21 on these tests in addition to earning 21 credits. Students must achieve a minimum of 4 points combined on the two ELA EOC's, 4 points combined on Algebra I and Geometry EOC's and 6 points combined on the three social studies EOC's. There are provisions for how to calculate scores based on grades earned for classes students passed before testing was available in Spring, 2015 (ELA 9, ELA 10, Algebra I, Geometry, US History, US Government and Physical Science) or Fall, 2015 (i.e. Biology). There are also provisions for converting Advanced Placement tests scores to graduation points for valid courses. These are clearly defined at:

<http://education.ohio.gov/Topics/Ohio-Graduation-Requirements/Graduation-Requirements-2018-and-Beyond/18-Points-on-State-Tests>

# GRADING POLICY/SCALE

## REGULAR CLASSES

<u>%</u>	<u>GRADE</u>	<u>GPA</u>
99-100	A+	4.0
95-98	A	4.0
93-94	A-	3.7
91-92	B+	3.4
87-90	B	3.0
85-86	B-	2.7
83-84	C+	2.4
77-82	C	2.0
75-76	C-	1.7
73-74	D+	1.4
69-72	D	1.0
67-68	D-	0.7
0-66	F	0.0

## HONORS CLASSES

<u>%</u>	<u>GRADE</u>	<u>GPA</u>
99-100	A+	4.5
95-98	A	4.5
93-94	A-	4.2
91-92	B+	3.9
87-90	B	3.5
85-86	B-	3.2
83-84	C+	2.9
77-82	C	2.5
75-76	C-	2.2
73-74	D+	1.4
69-72	D	1.0
67-68	D-	0.7
0-66	F	0.0

## AP CLASSES

<u>%</u>	<u>GRADE</u>	<u>GPA</u>
93-100	A+	5.0
87-92	A	4.5
85-86	A-	4.2
83-84	B+	3.9
77-82	B	3.5
75-76	B-	3.2
73-74	C+	2.9
69-72	C	2.5
67-68	C-	2.2
65-66	D+	1.4
62-64	D	1.0
60-61	D-	0.7
0-59	F	0.0

## OTHER MARKS AVAILABLE IN ALL THREE CLASS LEVELS

- P = Pass
- I = Incomplete
- N = No Grade
- W = Withdrawn
- WF = Withdrawn Failing

NCA,NCB,NCC,NCD = No Credit due to Attendance (A,B,C,D)\*

*\*the teacher will enter an "F" if the student earned an "F" in the class and is on the automatic failure list.*



# VALEDICTORIAN and SALUTATORIAN

## Selection of Valedictorian and Salutarian

The annual Clay High School graduation ceremony includes honors to the valedictorian, salutarian and a third ranking student. The following is a more clearly defined policy to address how those individuals will be determined:

- All students contending for valedictorian, salutarian, or graduation speaker will have received semester grades from Clay High School for the first and second semesters of the junior year, and the first semester of the senior year.
- The valedictorian of the graduating class in accordance with the above criteria will possess the highest grade point average in the class.
- The salutarian of the graduating class, in accordance with the above criteria, will possess the second highest grade point average in the class.
- The graduation speaker, in accordance with the above criteria, will have the third highest grade point average in the graduating class.
- The three individuals will have all rights and privileges to make a formal address at the graduation ceremony, and to receive any scholarships related to the honored positions in the graduating class.
- If a student eligible for one of three (3) positions chooses not to speak at the ceremony, the person with the next highest grade point average will assume the honor of speaking.

# SCHEDULING INFORMATION

## **Procedures for Student Registration**

- ❑ Principals will notify students of the dates and times for registration. This will be done through announcements on the public address system, social media, newsletters and designated classes.
- ❑ Students will receive a Course Request recommendation sheet. Students should discuss the proposed course selections with their parents. A recommended plan for each career pathway and this document can be found online and can serve as a guide for parents and students in selecting courses.
- ❑ Students are encouraged to make an appointment with their counselor to discuss any issues or questions concerning their schedules prior to registering for classes.
- ❑ Principals and/or counselors will meet with students and walk them through the course request process.

## **Master Schedule**

Students and parents should be aware of the procedures used to develop a master schedule. The schedule is developed annually after knowing what courses are to be taught and the number of students interested in each course.

**Each year, students, parents, teachers and counselors are involved with scheduling of students into the next grade level. A great deal of time and thought should be used in making these decisions since the following year's master schedule is based upon these selections. By carefully selecting their courses now, students will have the courses they want and avoid future scheduling problems.**

Students will be scheduled into all required courses for their grade levels before selecting elective courses. You should also have met the prerequisites before seeking the next level of a course sequence. Regardless of your grade classification, all required courses should be selected first to ensure completion of graduation requirements.

Counselors are available to assist with any problems or difficulties that develop. Please do not hesitate to ask for help.

## **Schedule Changes**

During the registration period, students may drop/add a course with parental input and approval. This time period is from the date of registration until **June 1**. Final schedules will be made available in August, the week before school begins, provided all fees have been paid and a parent has completed online registration for the student.

No course request changes or schedule changes will be made after June 1 for any reason including but not limited to teacher-student personality conflict, rigor of courses, teacher of course, or grade in course. Any schedule changes made will result in the student receiving a withdraw failing (WF) grade which will be reflected for the quarter grade, the semester grade, the final grade, and indicated as a WF on the transcript.

After June 1, the following are acceptable reasons for schedule changes to be made by counselors:

1. I.E.P.
2. There has been an error in the scheduling process
3. Post Secondary Options
4. Summer School Changes
5. Student has failed a required course and needs to retake the course
6. Graduation Requirements
7. Prerequisites have not been fulfilled

*Any student that withdraws from a course without the teacher approval after June 1 will receive a “WF” (withdraw failing) for the class dropped. The “WF” will be reflected on the student’s transcript.*

It is important to accommodate the academic needs of the student. It is important, as well, to respect the proper class size and proper beginning of a semester course. Therefore, **there will be no 1<sup>st</sup> semester schedule changes after June 1.**

## **Second Semester Scheduling Policy**

### **Dropping a course:**

- Student must maintain six (6) periods of class.

### **Year long Class**

- Students may request a drop for a yearlong class that is not required for graduation.
- The drop must be completed by the established drop deadline.
- Students may have no more than one study hall.
- If the drop creates more than one study hall, a student must select an alternate available class to maintain 6 periods of class; otherwise, the student must remain in that class.
- Career and Technology students must still meet all requirements of the program in which they are enrolled. Students with block schedules may not drop any of the required classes.

### **Semester Class**

- Student may drop a 2<sup>nd</sup> semester class that is not required for graduation, creating no more than one study hall on their schedule.

### **Adding a course:**

- Any student can add an additional 2<sup>nd</sup> semester course in place of a study hall as long as the class is available during that study hall period. No changes will be made to the existing scheduled courses in order to accommodate a new 2<sup>nd</sup> semester course.
- Senior schedules will be adjusted to meet minimum graduation requirements.

## **Course Re-Take Policy**

Students are permitted to re-take a class\* that is offered at Clay High School during the regular school day (if room allows) if they received a grade of “C” or lower. The class to be re-taken shall be completed by the end of the next academic school year. If the student improves his/her grade for that class, the higher grade will replace the previous grade. If the grade is the same or lower, the original grade will remain. The student can only receive credit for the class once. Post Secondary Options classes, Summer School classes, Eagle Learning Center classes, disciplinary removal from class, etc. are excluded from this policy. Special circumstances must be made with the approval of the counselor or administrator.

\* To retake a class, the student needs the recommendation of the previous teacher/department chairman/administrator.

**ATHLETIC NOTE:** In order to be eligible for athletics, a student must be enrolled in school the immediately preceding grading period and receive passing grades during that grading period in subjects that earn a minimum of 5.0 credits per year for graduation, excluding P.E. For this reason, it is our recommendation that students take a minimum of courses equal to 6 units of credit.

# Physical Education Alternative Credit

*Class of 2016 and beyond*

The Oregon Board of Education allows students to receive a Physical Education waiver by participating in Athletics, Cheerleading, or Fall Marching Band at Clay High School.

To qualify for the Physical Education waiver the Board of Education has adopted the following guidelines:

- The term “athletics” refers to any activity in which the student has the opportunity to earn an athletic varsity letter.
- The sport or activity must equal a minimum of **60 hours** of actively participating in practices or games. Contact hours will begin to accumulate on the first official practice as recognized by the Ohio High School Athletic Association.
- A student must finish the season on the team in good standing for the Physical Education waiver. If an athlete is injured they must have accumulated 60 hours of activity prior to injury in order to receive the alternative waiver. If an athlete is removed from the team for disciplinary reasons or Athletic Handbook violations they will be unable to use this alternative waiver.
- This Physical Education waiver will not apply to the overall GPA or be applied to the weekly or quarterly eligibility.
- For graduation purposes, students must acquire 2 alternative credit waivers OR 2 P.E. credits. Acquiring 1 of each is not permitted by ODE regulations.
- The waivers will automatically be applied by the school at the conclusion of each semester.

# PLANNING FOR COLLEGE

## **College Bound Students**

- College bound students should begin taking the SAT test and ACT test during the second semester of their junior year. ACT Plus Writing should be included at least one time.
- Students should be prepared to apply for college before November of their senior year.
- All families with college bound students should consider filling out the FAFSA form (Free Application for Financial Student Aid).
- Call your university for specific information regarding requirements for college admission.

## **How Colleges Select Students**

- Before they decide whether to admit a student, college admissions directors and their committees consider the following:
- The student's high school academic record.
- The type of course pursued by the student during high school.
- Marked improvement by the student in scholastic achievement from year to year.
- SAT, ACT or other entrance examination scores (if required).
- The high school's rating on the student's personality and character.
- Indication of the student's special ability: art, music, or leadership.
- Service to the school by the student.
- Service to the community by the student.
- Extracurricular activities pursued by the student: dramatics, sports, band, publications, etc.
- Attendance record and personal profile of the student.
- Neatness and accuracy of the college application.
- Letters of recommendation from the high school principal, counselors, teachers, and others.
- The personal interview (if required).

## **College Visitations**

A junior (2nd semester) or senior student may be allowed to visit college or university campus a total of three times during his/her high school career. The student must obtain the college visitation form from his/her counselor and have it approved by the administration. This completed form must be presented to the attendance office prior to the day he/she will be gone. The day will not be counted as an absence if the student brings a signed card or note from a college/university official. The student must present this excuse to the attendance office the day he/she returns to school.

## **Timetable for Post-Secondary Planning**

### **Grade 9**

- This year begins your official high school record. Your grades will be recorded on the cumulative record card/transcript.
- Get to know your counselor and let your counselor get to know you. Visit with your counselor frequently so that your adjustment to high school will be the best possible. Take advantage of all the services offered through the school's counseling program.
- Do as well as you can academically, seek assistance whenever needed.
- Participate in career exploration programs whenever possible.
- Participate in extracurricular activities.

### **Grade 10**

- Continue working with your counselor and communicate frequently.
- Work hard at your academics, seeking assistance whenever needed, and continue your in-

volvement in extracurricular activities.

- Register and take the PLAN test, a preliminary ACT test with a career interest component.
- Research career areas related to your interests by using the resource materials available in your counseling office and library.
- Consider the Career & Technology programs as a route to your goal.

### **Grade 11**

- Communication with your counselor becomes more important in the second half of your high school experience.
- Continue your involvement in extracurricular activities.
- Work hard at giving a solid academic performance.
- Eleventh grade is particularly important so make your best effort.
- Begin your college research and plan campus visits.
- Register and take the Preliminary Scholastic Aptitude Test (PSAT) in October.
- Consider taking the Armed Services Vocational Aptitude Battery (ASVAB). See your counselor about this test.
- Send for additional literature regarding your interests (college, career, employment).
- Schedule yourself to take the spring college admission test. (SAT, ACT). See your counselor.
- Meet college representatives who visit your school. (Be sure to ask if their schools provide services for the student with learning disabilities and the type of program they offer.)
- Take part in all special programs developed by the counseling department. Such as
- College Day and Financial Aid Information programs.
- Visit colleges you are interested in attending.
- Have an interview with an admissions representative.
- Take advantage of the various summer experiences available for eleventh graders conducted at colleges and other educational institutions. (See your counselor for information.)

### **Grade 12**

- Continue communication with your counselor.
- Maintain a solid, quality, academic program.
- Colleges are interested in your progress in your final year of high school. They consider 7th semester grades (first half of your senior year) when processing your application for admission.
- Acceptance for admission at most colleges is provisional, pending receipt of your final grades.
- Complete college visits early in your senior year.
- Pay close attention to the announcements from your counseling office.
- Prepare applications and get them to your counselor by mid-November.
- Beware of early application deadlines especially applications to special programs.
- Be aware that two-year agricultural and technical schools accept students on a first come, first service basis as long as they meet minimum entrance requirements.
- Consider taking the Armed Services Vocational Aptitude Battery (ASVAB). See your counselor about this test.
- Inform your counselor when you have made a decision as to what you will do after graduation (attend a particular college, accept a job, enter the military, etc.).
- If you are not interested in college, plan for employment opportunities with your counselor.
- If you are interested in the military, visit and meet with your local military recruiters about school and career opportunities. Check with your counselor regularly.

# COURSE FEES AND WORKBOOKS FEES

Fees may be charged in courses where special materials and/or supplies are furnished to students. The need for a workbook may require an additional fee in some classes. Fees and fines may be paid by cash, check, Visa or MasterCard at Clay High School or online using a credit card. Students will not be able to acquire a driving permit unless all fines and fees are paid in full.

**Fees for some courses may increase. This listing is intended only as a guide.**

**ALL FEES ARE SUBJECT TO CHANGE and will be finalized in June**

<table border="0" style="width: 100%;"> <tr><td>GENERAL FEE (all students).....</td><td style="text-align: right;">\$50.00</td></tr> <tr><td>200 Art Foundations .....</td><td style="text-align: right;">40.00</td></tr> <tr><td>231 Ceramics &amp; Sculpture I .....</td><td style="text-align: right;">50.00</td></tr> <tr><td>232 Ceramics &amp; Sculpture II .....</td><td style="text-align: right;">50.00</td></tr> <tr><td>241 Drawing &amp; Painting I .....</td><td style="text-align: right;">50.00</td></tr> <tr><td>242 Drawing &amp; Painting II .....</td><td style="text-align: right;">50.00</td></tr> <tr><td>251 Printmaking &amp; Mixed Media I .....</td><td style="text-align: right;">50.00</td></tr> <tr><td>252 Printmaking &amp; Mixed Media II .....</td><td style="text-align: right;">50.00</td></tr> <tr><td>260 Senior Art Media Specialization .....</td><td style="text-align: right;">50.00</td></tr> <tr><td>301 Foundations in Digital Media .....</td><td style="text-align: right;">10.00</td></tr> <tr><td>302 Advanced IT Skills .....</td><td style="text-align: right;">10.00</td></tr> <tr><td>306 Foundations into VCOM and PCS .....</td><td style="text-align: right;">10.00</td></tr> <tr><td>317 AP Programming &amp; 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## **STUDENT ORGANIZATIONAL DUES/FEES**

BPA – Business Professionals of America .....	57.00
BPA – (Foundations in VCOM & PCS only) .....	27.00
DECA .....	45.00
FCCLA .....	10.00
HOSA .....	20.00
Skills USA .....	26.00
FFA .....	25.00

# COURSE OFFERING INDEX

## Key To Using The Course Offerings Index

CODE	000- Numerical description of a course
SEM.	1-- Indicates course offered first semester 2-- Indicates course offered second semester 3-- Indicates the course is offered all year
GRADE	Indicates at what grade course may be taken
CR.	Credit Hour Values

CODE	COURSE TITLE	SEM.	GRADE	CR.
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### ART

200	Art Foundations	3	9,10,11,12	1.00
231	Ceramics & Sculpture I	3	10,11,12	1.00
232	Ceramics & Sculpture II	3	11,12	1.00
241	Drawing & Painting I	3	10,11,12	1.00
242	Drawing & Painting II	3	11,12	1.00
251	Printmaking & Mixed Media I	3	10,11,12	1.00
252	Printmaking & Mixed Media II	3	11,12	1.00
260	Senior Art Media Specialization	3	12	1.00

### BUSINESS & INFORMATION TECHNOLOGIES

301	Foundations in Digital Media	1,2	9,10,11,12	.50
302	Advanced IT Skills	1,2	9,10,11,12	.50
303	Sports Marketing	1,2	10,11	.50
306	Foundations into VCOM & PCS	3	10,11,12	1.00
6001	Programming/ Computer Sims. I	3	11,12	2.00
6003	Programming/ Computer Sims. II	3	12	2.00
317	AP Program./ Computer Sims.	3	12	2.00
320	Intro to Engineering Tech	1,2	9,10	.50
326	Career Explorations and Entre.	1,2	9,10,11,12	.50
6005	Visual Communications (VCOM)	3	11,12	3.00
6008	Visual Communications Adv.	3	12	3.00
6089	Marketing I	3	11,12	1.00
6091	Marketing II	3	12	4.50

### ENVIRONMENTAL & AGRICULTURAL

6401	Ag., Food, & Nat. Resources I	3	9,10,11,12	1.00
6402	Ag., Food, & Nat. Resources II	3	10,11,12	1.00
6411	Environmental & Ag Tech I	3	11,12	2.00
6416	Environmental & Ag Tech II	3	12	2.00

### FOREIGN LANGUAGE

500	French 1	3	9,10,11,12	1.00
505	French 2	3	10,11,12	1.00
510	French 3	3	11,12	1.00
515	French 4 Honors	3	12	1.00
520	Spanish 1	3	9,10,11,12	1.00
525	Spanish 2	3	10,11,12	1.00
530	Spanish 3	3	11,12	1.00
535	Spanish 4 Honors	3	12	1.00

### HEALTH & HUMAN SERVICES

700	Physical Education	1,2	9,10	.25
707	Strength Training & Sport Psych	3	10,11,12	.00
710	Health (Online)	1,2	10	.50
806	Introduction to Culinary Arts I	1,2	9,10,11,12	.50
807	Introduction to Culinary Arts II	3	10,11,12	1.00
850	Culinary Arts & Food Product. I	3	11	3.50
860	Culinary Arts & Food Product. II	3	12	3.50
5010	Hospitality Job Training I	3	10,11	4.00
5075	Hospitality Job Training II	3	11,12	3.00
5079	Hospitality Job Training III	3	12	3.00

CODE	COURSE TITLE	SEM.	GRADE	CR.
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6019	Introduction to Cosmetology	3	10	1.00
6023	Cosmetology I	3	11	4.00
6028	Cosmetology II	3	12	4.00
6071	Intro To Health Professions	1,2	9,10	.50
6032	Medical Terminology	3	10,11,12	1.00
6070	Medical Technologies	3	11,12	3.00
6075	Medical Tech Advanced	3	12	3.00

### HUMANITIES PROGRAM (\*1 cr. SS & 1 cr. ILA)

4201	Humanities 9-World Studies*	3	9	2.00
416	Humanities 9-ILA 9 Honors			
4210	Humanities 10- American History*	3	10	2.00
431	Humanities 10-ILA 10 Honors			
4221	Humanities 11-Classical Antiquity*	3	11	2.00
446	Humanities 11-ILA 11 Honors			
448	Humanities 12-Post-War Amer.	3	12	1.00

### INTEGRATED LANGUAGE ARTS

410	ILA 9	3	9,10,11,12	1.00
415	ILA 9 Honors	3	9,10,11,12	1.00
425	ILA 10	3	10,11,12	1.00
430	ILA 10 - Honors	3	10,11,12	1.00
440	ILA 11	3	11,12	1.00
445	ILA 11 Honors	3	11	1.00
450	ILA 12	3	12	1.00
455	ILA 12 Honors	3	12	1.00
470	Creative Writing	1,2	10,11,12	.50
475	Speech	1,2	10,11,12	.50
476	Sports Literature	3	11,12	1.00
485	Yearbook I	3	10,11,12	1.00
486	Yearbook II	3	11,12	1.00
487	Yearbook III	3	12	1.00
490	AP English & Language Comp	3	12	1.00
497	Theatre Arts	3	9,10,11,12	1.00

### INDUSTRIAL & ENGINEERING

6012	Automotive Technologies I	3	11	3.50
6017	Automotive Technologies II	3	12	3.00
6040	Engineering Design & Dev't. I	3	11	2.00
6045	Engineering Design & Dev't. II	3	12	2.00
6050	Electrical & Indust. Engineering I	3	11	3.00
6055	Electrical & Indust. Engineering II	3	12	3.00
6082	Integ. Machining & Engineer I	3	11	3.50
6087	Integ. Machining & Engineer II	3	12	3.00



**CODE COURSE TITLE SEM. GRADE CR.**

**MATHEMATICS**

1004	Algebra 1 Dbl Block	3	9,10,11,12	1.50
1100	Algebra 1	3	9,10,11,12	1.00
1110	Geometry	3	9,10,11,12	1.00
1113	Geometry Dbl Block	3	10,11,12	1.50
1200	Geometry Honors	3	9,10	1.00
1210	Algebra 2 Honors	3	10,11,12	1.00
1120	Algebra 2	3	11,12	1.00
1121	Integrated Technical Math	3	11,12	1.00
1122	Algebra 2 - A	3	11,12	1.00
1126	Algebra 2 - B	3	11,12	1.00
1135	Business Math w/ Excel	1,2	11,12	.50
1140	Applied Mathematics	3	11,12	1.00
1213	Probability & Statistics I	1,2	11,12	.50
1214	Probability & Statistics II	2	11,12	.50
1220	Pre-Calculus Honors	3	11,12	1.00
1130	Pre-Calculus	3	12	1.00
1230	AP Calculus	3	12	1.00
1235	Calculus Honors	3	12	1.00

**MUSIC**

2200	Concert Choir	3	9,10,11,12	1.00
2300	Concert Marching Band	3	9,10,11,12	1.00
2400	Symphonic Marching Band	3	11,12	1.00
2404	Symphonic Marching Band Honors	3	12	1.00

**SCIENCE**

3000	Physical Science	3	9,10,11,12	1.00
3010	Geology	1	10,11,12	.50
3015	Astronomy/Meteorology	2	10,11,12	.50
3302	Biology Honors	3	9,10,11,12	1.00
3304	Biology	3	10,11,12	1.00
3305	Biology of Ecosystems	3	10,11,12	1.00
3307	Principles of Biology	3	11,12	1.00
3310	Human Anatomy & Physiology	3	11,12	1.00
3315	AP Biology	3	11,12	1.00
3320	Environmental Science	3	10,11,12	1.00
3325	Scientific Investigations	3	11,12	1.00
3403	Chemistry	3	10,11,12	1.00
3412	Chemistry Honors	3	10,11,12	1.00
3422	AP Chemistry	3	11,12	1.00
3500	Physics	3	11,12	1.00
3512	AP Physics C – Mechanics	3	11,12	1.00
6323	Integ. Biology & Chemistry I	3	11,12	1.00
6322	Principles of Technology	3	12	1.00

**SOCIAL STUDIES**

4000	World Studies	3	9	1.00
4200	World Studies Honors	3	9,10,11,12	1.00
4010	Introduction to Law	1,2	9,10,11,12	.50
4025	World Geography	1,2	9,10,11,12	.50
4043	U.N. Security Council Honors	1	10,11,12	.50
4044	U.N. General Assembly Honors	2	10,11,12	.50
4045	Adv. U.N. Simulation I Honors	1	11,12	.50
4046	Adv. U.N. Simulation II Honors	2	11,12	.50
4047	AP Comparative Gov't & Politics	1	11,12	1.00
4100	Behavioral Sciences	1,2	10,11,12	.50
4105	Social Issues	1,2	10,11,12	.50
4120	American Civil War	1,2	10,11,12	.50
4230	AP U.S. History	3	10,11,12	1.00
4250	American History	3	10,11,12	1.00
4302	AP U.S. Government & Politics	3	11,12	1.00
4303	American Government	1,2	11,12	.50
4305	Honors Economics	1,2	11,12	.50
4313	Principles of Economics	1,2	11,12	.50

# COURSE DESCRIPTIONS

## ART

### 200 Art Foundations

Full year, 1 credit

Grade: 9-12

#### *Is there an artist in you?*

This course focuses on the elements and principles of design as they relate to a variety of two and three dimensional media. Students will be introduced to 3 major units of study involving drawing and painting, ceramics and sculpture, and printmaking and mixed media. At the end of the course you will be prepared to take any of the specialty art courses at Clay High School. The Visual Experience textbook is used as a resource for this course.

### 231 Ceramics & Sculpture I

Full year, 1 credit

Grade: 10-12

Prerequisite: Art Foundations

#### *Do you like to work three-dimensionally?*

This course will provide a variety of sculptural and ceramic experiences enabling the student artist to develop technical skill in the production of three-dimensional art. Clay hand-building techniques, intro to wheel throwing, low-fire glazing, warm glass manipulation, and stone carving are some of the techniques explored with an emphasis on formal, practical, and creative aspects of the finished work. Continued work in sketchbook and portfolio development will provide visual documentation of artistic growth.

### 232 Ceramics & Sculpture II

Full year, 1 credit

Grade: 11-12

Prerequisite: Art Foundations, Ceramics & Sculpture I

#### *Do you want to take your three-dimensional creations to new heights?*

This course further explores and builds on techniques mastered in Ceramics and Sculpture I. Basic Wheel throwing techniques and advanced hand-building skills in addition to a plethora of advanced sculptural techniques will provide a springboard for artistic growth in the three-dimensional arena. Emphasis is placed on; discovery of personal style/technique, development of advanced design skills, and the creation of portfolio quality pieces. Continued work in sketchbook and additional portfolio development will provide visual documentation of artistic growth.

### 241 Drawing and Painting I

Full year, 1 credit

Grade: 10-12

Prerequisite: Art Foundations

#### *Do you like to draw?*

This course visits a broad interpretation of drawing & painting issues and medias along with the unique importance it holds as a service to other art disciplines as you refine your drawing skills or revisit the basics of drawing. Students will explore the concrete academic fundamentals of drawing and painting as they learn to draw subject matter accurately with a firm emphasis on realism. Learn intermediate painting skills beyond the Foundations course as well as master basic and advanced color theory. Topics of study include perspective, still life, landscape and portraiture to be rendered in a variety of drawing and painting mediums. Continued work in sketchbook and portfolio development will provide visual documentation of artistic growth as the student begins a collection of work for their art portfolio.

### 242 Drawing and Painting II

Full year, 1 credit

Grade: 11-12

Prerequisite: Art Foundations, Drawing & Painting I

#### *Want a challenge?*

Sharpen your drawing skills as you journey through a process of investigation, growth and discovery to develop a personal style of expression in this two dimensional media. This course is a more technically demanding approach to drawing and painting where the student will explore the formal, practical and creative aspects of the two disciplines. Students will develop large scale original artworks as well as establish subject matter suitable for a series of artworks. Topics explored include architectural perspective, still life, portraiture, and figurative works of art. Portfolio quality artwork will reflect realistic, interpretative and abstract points of view documented in sketchbooks and digital portfolios.

### 251 Printmaking & Mixed Media I

Full year, 1 credit

Grade: 10-12

Prerequisite: Art Foundations

#### *Looking for non-traditional approaches to art?*

This course focuses on design basics that emphasize positive-negative space and builds awareness of an array of mixed-media techniques and processes. Experimentation with mono-prints, linoleum and wood cuts, found objects, photo transfer, and more will be intertwined with non-traditional art media. Mixed-media artwork will be completed in both a 2-dimensional and 3-dimensional format involving a variety of contemporary art media. Continued work in sketchbook and portfolio development will provide visual documentation of artistic growth.

**252 Printmaking & Mixed Media II**  
Full year, 1 credit Grade: 11-12  
Prerequisite: Art Foundations, Printmaking & Mixed Media I

***Still craving creative ways to make an artistic statement?***

This course will utilize the fundamentals of design and print-making skills learned in Printmaking and Mixed-Media I to further develop the 2-dimensional and 3-dimensional artist within you. This course is a more technically demanding approach to printmaking and mixed media encouraging precision in the production of portfolio quality pieces. Continued work in sketchbook and additional portfolio development will provide visual documentation of artistic growth.

**260 Senior Art Media Specialization**  
Full year, 1 credit Grade: 12  
Prerequisite: 2 years of specialty courses in any media AND Instructor Approval Form (Mandatory)

***Are you ready to spread your proverbial artistic wings?***

This course is for the serious self-motivated art student who wishes to create in an individual environment that is tailored for not only their strengths, but their areas needing further study before heading to post-secondary art study. The student will declare a media specialization working cooperatively with the instructor designing an individual outline of the type and number of projects required depending on the level of talent and breadth of existing work. The student will be expected to complete a series of pieces for a college art portfolio to be compiled both physically and digitally.

**BUSINESS & INFORMATION TECHNOLOGIES**

**301 Foundations in Digital Media**  
Semester, .5 Credit Grade: 9-12

This IT course will venture into exploring a variety of 21st Century skills incorporating the 4 C's: Creativity, Critical Thinking, Collaboration and Communication. Learning and innovation skills increasingly are being recognized as the skills that separate students who are prepared for increasingly complex life and work environments in the 21st century, and those who are not. The content of this course is designed to touch on a variety of IT related choices from visual communication to programming. The student will be given 6 exploratory avenues broken down into 4 strands: Strand 1: Web 2.0 tools (Social Networking), Review of Computers and Cyber Safety; Strand 2: Dreamweaver and Photoshop; Strand 3: Flash and Scratch programming; and Strand 4: Publisher (Desktop publishing). The main assessments in this class will be student and group created projects. Students will leave the class with an electronic portfolio showing the items that they have been introduced to.

**302 Advanced IT Skills for the College Prep Student**

Semester, .5 Credit Grade: 9-12

This IT course will provide challenging, comprehensive, and engaging projects in specific disciplines, such as Human Resources, Office Management, Agriculture, Education, Accounting, Finance, Operations, Marketing, and Healthcare. This course will allow students to apply and demonstrate the skills they have learned as well as advance their knowledge in Microsoft Office applications—Word, PowerPoint, Excel, Access, Outlook—which are essential for students going on to college and preparing for their future. Students may choose to take the Microsoft Office Certifications exams upon the successful completion of this course. *College Course equivalent through ODE: Information Technology (145005).*

**303 Sports Marketing**

Semester, .5 Credit Grade: 10-11

It is estimated that the NFL, NBA, MLB, and NHL bring in over \$16 billion in revenue annually. Learn how to get your hands on some of this money in this introductory course! Students will explore the fundamental concepts of marketing and business through insight into the sports industry as well as industry specific tactics. Course topics can include: athletics endorsements, sponsorships, licensing, advertising, product development, and distribution. Current issues relating to the sports industry will also be discussed. This course is intended for students with an interest in business or sports and those who may want to pursue a career in marketing. *College Course equivalent through ODE: Sports Marketing Principles (144000).*

***(This class will be limited due to availability of the instructor.)***

**306 Foundations into VCOM and PCS**

Full year, 1 credit Grade: 10-12

**Prerequisite: Foundations in Digital Media highly recommended**

This IT course will continue on in the development of the student's 21st informational technology skill set. The content of this course is designed to allow the student the chance to discover which side of technology road that they would like to pursue. Are you creative? Are you logical? Are you a combination of both? Students will delve deeper into a variety of programs such as Adobe's Dreamweaver, Photoshop and Flash as well as exploring the 3d world of programming worlds with the Alice programming language. Students will also be given the opportunity to learn the basics in computer support and networking pathways of the IT curriculum as well. Students will create an individual portfolio that will showcase the student's performance throughout the course as each student explores a variety of IT avenues from visual communications/multimedia to programming/game development. The main assessments will be focused on individual student created projects and group


collaborations. Students will participate in the Business Professionals of America, a career tech student organization. Members will participate in competitive events at the local, district, state and national levels. Students will leave this class with a foundation which will allow them to continue on into the Visual Communications or the Programming and Computer Simulations College Career Tech Prep pathways.

### **317 & 318 AP Programming & Computer Simulations**

**Full year, 2 credits** **Grade: 12**

**Prerequisite: Successful Completion of PCS I and a minimum of a B average in Algebra2/Pre-Calculus or permission from the course instructor**

**Additional Time requirement: Students will need to spend a minimum of an additional 3 hours per week on a computer outside the normal classroom requirements.**

 In addition to the course description of PCS 2, AP PSC will provide students with an extensive look into programming and software development concentrating on the current AP computer science language: Java. Concepts such as classes, objects, arrays, polymorphisms, inheritance and code reusability are studied. Many students interested in this IT strand because they are intrigued by becoming game developers. A programming background opens the doors to many career possibilities. AP Computer Science A is both a college-prep course for potential computer science majors and a foundation course for students planning to study other technical fields such as engineering, physics, chemistry, and geology. Computer science is more than just programming. Students should leave this class with a clear understanding of Java and the ability to adapt to any new programming language that they are taught in college. They should be confident in their abilities to tackle any problem solving obstacles they encounter. As part of their senior capstone project completion, students will be required to design, develop and debug a long term computer programming project. All students who agree to take this course will take the AP Computer Science A Exam offered at the end of the year (student is expected to cover the cost of the exam). Students will be members of Business Professionals of America (BPA), a career tech student organization designed to expand citizenship and leadership skills. Members will participate in competitive events at the local, district, state and national levels in both leadership and occupational skills. *College Course equivalents through ODE: Object Oriented Programming (145065), Game Design (145090).*

### **320 Engineering Principles**

**Semester, .5 credit**

**Grade: 9-10**

This course will introduce students to fundamental engineering concepts and scientific principles associated with engineering design applications. Topics include mechanisms, energy, statics, materials, and kinematics. Additionally students will investigate material properties and electrical, control and fluid power systems. Students will apply problem solving, research and design skills to create solutions to engineering challenges. *College Course equivalent through ODE: Engineering Design (175001).*

**(This class will be limited due to availability of the instructor.)**

### **326 Career Exploration & Entrepreneurship**

**Semester, .5 credit**

**Grade: 9-12**


This program will focus on post-secondary educational options and the concepts of opening and operating a small business. Students will explore the use of "individual college and career planning tools" as part of the program as well as some hands-on projects coordinated through various Tech Prep Teachers. Visits from local post secondary education and training representatives will be welcomed in this semester program whenever possible. When visits are not possible, web visits or video conferencing may be available. Local business owners as well as other small business support agents will be invited to speak to students regarding expectations of business owners and potential employees. (Priority will be given to 9<sup>th</sup> or 10<sup>th</sup> graders during the scheduling process.)

### **6001 & 6002 Programming & Computer Simulations I**

**Full year, 2 credits**

**Grade: 11-12**

**Prerequisite: None, Foundations in Digital Media highly recommended**

 The purpose of this course will be to provide students with a more in-depth look at programming and software development. Many students interested in this IT strand because they are intrigued by becoming game developers. A programming background opens the doors to many career possibilities. Students will learn how to program in a variety of languages that are being used in many career fields in today's marketplace. The students will first be introduced to Flash and the ActionScript programming language. This will begin their utilization of objects and naming objects to be a part of their code and leads very nicely into other explored programming languages: Visual Basic.Net, C++/C# and Java languages. Students will know how to logically process a problem and design a solution, create and manipulate objects, classes, and structures in order to continue on into the next course PCS 2 or AP PCS. Students will also be introduced to the current trends in the marketplace and explore app programming. Blender 3d Character Development and Python programming

language will also be introduced during the first year course. Included in the year are larger projects that are developed to enhance the learning of each programming language. Students will be members of Business Professionals of America (BPA), a career tech student organization designed to expand citizenship and leadership skills. Members will participate in competitive events at the local, district, state and national levels in both leadership and occupational skills. *College Course equivalents through ODE: Programming (145060), Computer & Mobile Applications (145020).*

**6003 & 6004 Programming & Computer Simulations II**

**Full year, 2 credits** **Grade: 12**  
**Prerequisite: Successful completion of Programming and Computer Simulations I or Permission from the course instructor**

The purpose of this course will be to provide students with a more in-depth look at programming and software development concentrating on the current AP computer science language: Java. Many students interested in this IT strand because they are intrigued by becoming game developers. A programming background opens the doors to many career possibilities. Emphasis in programming business applications as well as game logic will be investigated. The students will explore more cell phone app development; robotics will be explored using Lego Mindstorms and RobotC programming languages; advanced features of Blender and Python, and a look into mySql – a database programming language. Senior students are expected to complete a capstone project throughout their senior year that will be presented to the class. These projects should challenge the student and allow them to investigate topics beyond the scope of the course. Included in the year are larger projects that are developed to enhance the learning of each programming language. Students will be members of Business Professionals of America (BPA), a career tech student organization designed to expand citizenship and leadership skills. Members will participate in competitive events at the local, district, state and national levels in both leadership and occupational skills. *College Course equivalents through ODE: Object Oriented Programming (145065), Game Design (145090).*

**6005 Visual Communications (VCOM)**

**Full year, 3 credits** **Grade: 11-12**  
**(2 credits VCOM and 1 Fine Art Credit\*)**

Visual Communications is a two-year College Tech Prep program that teaches students how to design, create, and produce multi-media products for print, web, and video. Students will use multi-media technology to produce media for business, training, entertainment, communications, and marketing. In addition to learning industry-standard software applications (Photoshop, Illustrator, InDesign, Dreamweaver, Flash, Director, After Effects, Premiere, Audition) and how to efficiently use

hardware, there will be an emphasis on using proper design concepts and creating rough and/or storyboards for all projects. *College Course equivalents through ODE: Creating & Editing Digital Graphics (145100), Web Design (145010).*

*\*Students enrolled in Visual Communications will automatically be enrolled in an art class, the level of which will be determined by their course history*



**6008 Visual Communications (VCOM) Adv.**

**Full year, 3 credits** **Grade: 12**  
**Prerequisite: Visual Communications**

**BUSINESS professionals OF AMERICA** Returning VCOM Team Members will further advance and reinforce the skills learned in their junior year through a largely project oriented curriculum.

Advanced software applications will be taught. Team members will take ownership of many involved projects (e.g. Pep Rally DVD, highlight videos, senior DVD, etc.). Students will create a digital portfolio on CD to use for college admissions and/or job interviews. Team members will also be required to design a product for a client outside of class. Possible products could include designing a web site, producing a commercial, designing advertisement, or creating a training CD. Emphasis will be placed on working with the client beginning with the planning stage through the development stages, and finally developing a final piece that has been reviewed and accepted by the client. Additionally, they will be required to complete several college entry requirements (i.e. ACT test, campus visits, college applications, scholarship applications, FAFSA). *College Course equivalents through ODE: Video & Sound (145110), Design Techniques (145095).*

**6089 Marketing I**

**Full year, 1.0 credit** **Grade: 11-12**

**DECA** Marketing Education is a two-year program designed to prepare students who have an occupational objective in the field of business, marketing and management.

Students will develop and implement marketing strategies and techniques across marketing functions: channel management, marketing research, market planning, pricing, product/service management and branding. Technology, employability skills, leadership and communications will be incorporated in classroom activities. Students enrolled in Marketing Education will also participate in the Career Technical Student Organization DECA where students will apply course content to real-world business problems and situations through various activities and competition. *College Course equivalent through ODE: Marketing Applications (144005).*



## 6091 Marketing II

Full year, up to 4.5 credits

Grade: 12



Returning marketing students will advance and reinforce marketing knowledge learned in their junior year by further exploring Sales and Strategic Entrepreneurship. The year will culminate in a capstone project requiring students to create their own business plan. Local business leaders and Marketing Alumni will act as mentors and resources for this project. The senior year is also cooperative combining related classroom instruction and coordinated work-based learning with the Career Technical Student Organization activities in DECA, an integral part of the program. Students work in the business community, which provides practical application of the classroom theory. Graduates pursuing marketing careers are strongly encouraged to attend a college or university to major in business, marketing and management. Graduates may also follow marketing careers after high school by directly entering the workforce. *College Course equivalents through ODE: Strategic Entrepreneurship (141030), Professional & Technical Sales (144030), Coop: Marketing Principles (141025).*

## ENVIRONMENTAL AND AGRICULTURAL

### 6401 Ag., Food, and Natural Resources

Full year, 1 credit

Grade: 9-12

### 6402 Animal and Plant Science

Full year, 1 credit

Grade: 10-12

Ag. Food, and Natural Resources is open to any freshman, sophomore, junior or senior student interested in studies related to conservation, environmental science, veterinary science, plant and animal science, business management, leadership dynamics, forestry, and wildlife management. Both college and career training are emphasized in this course. Students also gain experiences in greenhouse



operation, landscaping, and floriculture. Agriculture students will receive one-half credit of science and one-half credit of agriculture elective for each of these courses. *College Course equivalents through ODE: Ag., Food & Natural Resources I (010105), Animal and Plant Science (010125).*



### 6411 Environmental & Agricultural Technologies I

Full year, 2 credits

Grade: 11-12

### 6416 Environmental & Agricultural Technologies II

Full year, 2 credits

Grade: 12

Environmental Agricultural Technologies is designed for students who have a career interest in natural resources, turf and landscape, sales, business management, mechanics, greenhouse and floral



operation, veterinary science, parks and recreation, forestry, animal management, wildlife conservation and many other agriculture-related areas.

All of these career areas are explored through classroom instruction and practical application through projects, and career development experiences. Students gain real-life experiences by operating the school greenhouse, aquaculture lab, floral lab, animal care, and environmental land laboratory. Environmental and Agricultural Technologies requires two periods per day and is worth two credits. *College Course equivalents through ODE: Environmental Science for Agriculture and Natural Resources (010720), Greenhouse and Nursery Management (010610).*

## FOREIGN LANGUAGE

### 500 French 1

Full year, 1 credit

Grade: 9-12

*C'est à Toi!* (It's Your Turn!), as our book title suggests, invites you to visit many of the countries where people speak French every day, and to learn how to communicate and interact with them. You will acquire proficiency in listening to, speaking, reading, and writing French while developing cultural sensitivity to the everyday activities of French-speaking people throughout the world. You will be talking right away about subjects that interest teens: music, sports, leisure activities, and food. The video program is an ongoing teenage soap opera filmed in France. Our CD program will help you develop an ear for the many nuances of the French language. The five C's of Communication, Cultures, Connections, Comparisons, and Communities help prepare you for an active, informed role as world citizens in the new millennium.

### 505 French 2

Full year, 1 credit

Grade: 10-12

**Prerequisite: French 1**

You should feel proud of your accomplishment. You have successfully completed a year of learning a foreign language—a definite “plus” to add to your college applications and/or your job résumé. Your second year will expand upon the communicative skills you have already practiced: speaking, listening, reading, and writing. Our first units will review French One's “building blocks” of vocabulary, structure and verbs. You will learn how to ask for what you need in a post office, bank or gas station, describe your daily routines, congratulate and commiserate, communicate on the phone and by letter, describe past events, and talk about what careers interest you. Via classroom activities, you will express yourself in French as you interact with your classmates. We encourage you to practice your language skills outside of class as well. \*Don't stop reading now! French 3 offers valuable information re: honors diploma, graduation, and college placement.

**510 French 3****Full year, 1 credit****Grade: 11-12****Prerequisite: French 2**

Welcome back to *C'est à Toi!* And congratulations on your decision to continue! You are now satisfying one of the requirements for an honors diploma, and are increasing your chances of scoring well on the language placement test administered by the college of your choice. You will expand on the communicative tasks and skills you have already practiced--for example, you will be able to explain problems you encounter when traveling or buying something; express your emotions; give your opinions; discuss contemporary social and political problems in France; apply for a job; and use computer technology. You will become acquainted with French speakers who have become famous for their contributions to history, art, science, music, movies and the environment. You will learn more about interesting cities and regions in France, and will heighten your awareness of other areas in the world where French is spoken. And finally, you will use French to enrich your life and to connect better to the world around you.

**515 French 4 Honors****Full year, 1 credit****Grade: 12****Prerequisite: French 3**

How exciting that you are this dedicated to learning French! Bravo! Success in this class will help you to score well on your college placement language test. Let's take an imaginary trip to France this year. Individual language units will focus on getting a hotel room, asking directions, changing money, riding the metro, going to a café and shopping. We also review greetings, leave-takings, politeness, and getting to know someone. Of course, while knowing how to speak French is important to a successful and enriched travel experience, so is knowing about the culture of the country you are visiting. With that in mind, units on provinces, Paris and other cities, French products, art, history and other Francophone countries are provided for study. The course also reviews and expands on all major verb tenses and structures learned throughout the years. Writing activities come from topics of personal interest such as music, TV, sports and other entries of an autobiographical nature. You will enjoy reading excerpts from classic French literature as well as a current teen magazine. Vive le français!

**520 Spanish 1****Full year, 1 credit****Grade: 9-12**

Spanish I is conducted with a hands-on approach to language learning which include skits, games, dancing, singing, and simulations. These methods enable students to use the language in "real life" situations. This class will have units that are thematically-based that cover grammar, history, geography, and many other aspects of culture. Students will also participate in Fear Factor Fridays where students taste foods from Hispanic nations. Students will be speaking Spanish every day.

By the end of first quarter, "Spanish-only" days or Spanish immersion will commence once a week. They will be able to ask and respond to simple questions. They will be understood with some repetition by native speakers accustomed to dealing with non-native speakers.

**525 Spanish 2****Full year, 1 credit****Grade: 10-12****Prerequisite: Spanish 1**

Spanish II is an advanced study of Spanish I which builds upon and reinforces skills learned in the previous year of study. Learning will be concentrated in the areas of conversation, writing, and listening. The student is expected to learn past tense by the conclusion of this course. Throughout the course students will be engaged in projects that will strengthen their writing skills. Not only will students be able to write about present events, but also events that happened in the past. Holidays and culture are also taught in this course.

**530 Spanish 3****Full year, 1 credit****Grade: 11-12****Prerequisite: Spanish 2**

Spanish III is an advanced study of the concepts taught in Spanish I and II. Students will learn to express thoughts in the present, past, future and imperative forms at an intermediate level. The goal of this course is to be able to communicate in a work setting and in everyday activities at the beginning of intermediate/high level. Students will be required to complete some projects throughout the year. Many readings on culture will occur throughout this course. Students are required to read a novel at the end of the year.

**535 Spanish 4 Honors****Full year, 1 credit****Grade: 12****Prerequisite: Spanish 3**

Spanish IV is an honors course where students will continue the advanced study of Spanish. Advanced grammar is taught in this course such as the compound tenses and subjunctive form. Reading throughout the course will occur. Reading a novel will be required for all students at the end of the year. Throughout the year students will also be able to go visit some elementary building within the district to teach Spanish to elementary students.

## HEALTH & HUMAN SERVICES

### 700 Physical Education

Semester, .25 credit

Grade: 9-10

The focus on physical education is skill development in team sports, individual sports and physical fitness activities. Emphasis is placed on personal growth through sports and physical fitness. Socially approved standards of behavior will be practiced and concepts of fair play and safety will be employed. Leadership opportunities, sportsmanship and wholesome interpersonal relationships will be stressed. The students will also be introduced to a fitness based program, which will educate them on circuit training, working in their target heart-rate zone, improving body composition and flexibility.

### 707 Strength Training and Sports Psychology for Elite Competition

Full year, NO credit, P/F grade issued Grade: 10-12

**Prerequisite:** Participation in Clay High School sport the previous year

The Strength Training and Sports Psychology for Elite Competition class is designed to provide each student with the knowledge needed to understand the importance of strength training and application of the psychological principles that enhance athletic performance. Students will understand the importance of setting goals for personal improvement and achievement. Students will leave the class with a lifelong understanding of how to maintain adequate physical fitness for a healthy lifestyle as well ways to improve performance by effectively applying sport psychology principles in a performance context.

### 710 Health (Online)

Semester, .5 credit

Grade: 10

This course focuses on the interrelationship of the students' level of health and life style. The units of study include: wellness, mental health, suicide, stress, human sexuality, first aid emergency (including C.P.R.), nutrition, weight control, tobacco, alcohol, and drug use, infectious diseases, AIDS, STD's, noninfectious diseases, body systems, and the environment.

### 806 Introduction to Culinary Arts I

One Semester, .5 credit

Grade: 9-12

### 807 Introduction to Culinary Arts II

Full year, 1 credit

Grade: 10-12

This course provides students with a one-period, hands-on experience of the workings in the Culinary Arts laboratory. Students will receive brief exposure to many elements of the food service industry as they get to assist in different areas of food preparation, dining room service, equipment handling, menu planning and safety and sanitation and purchasing. This class provides excellent training to obtain a higher-than-minimum-wage part-time job while going to college. Also, some opportunities exist to participate in Culinary Arts field trips.

### 850 Culinary Arts & Food Production I

Full year, 3.5 credits

Grade: 11

### 860 Culinary Arts & Food Production II

Full year, 3.5 credits

Grade: 12


 Culinary Arts is a program for students seeking a career in the Food Service industry. Course work prepares students for careers as Restaurant or Hotel Dining Room Managers, Chefs, Food Brokers & Salesmen, Dietitians or Nutritionists or any one of many rewarding positions. Students receive real-life training with extensive hands-on experience by performing all necessary tasks of their student-run restaurant and catering operation, the GOLDEN EAGLE CAFÉ. In addition, students shadow famous area chefs, take field trips to gourmet restaurants and area food shows and conventions. This class is a must for any student considering hands-on employment. Students will develop their skills of self-discipline, creativity, time management, decision-making, supervision, improving communication and cooperation, customer service and pride in a job well done. The two-year program teaches all styles of gourmet cooking, baking, menu planning, safety & sanitation, personnel training, commercial equipment use, marketing, merchandising, purchasing & inventory control and food service accounting. Graduates receive a state Certificate of Completion in Food Service and a Career Passport. Chef-training apprenticeships are available leading to Chef's certification by the American Culinary Federation. *College Course equivalents through ODE still being developed.*



### 5010 Hospitality Job-Training I/Option 4 Program

Full year, 4 credits (1 credit-Hospitality, 1 credit-Employability I, 1 credit-Language Arts, 1 credit-Environmental Science) 4 periods Grade: 10-11

**Prerequisite:** work study or paid community work or volunteer work experience

 Instructor and Counselor recommendation is required to participate in the community-based learning program at Maumee Bay State Park/Resort and The Toledo Zoo. Integrated lessons in Environmental Science and Language Arts will be conducted in both classrooms and in the field. The Employability I continues to build on the basic employability skills that are established during past work experiences. Careers will be explored using speakers, field trips, research and by working in various non-paid job sites two days per week at the businesses listed above. All students are required to be a member of the student organization FCCLA (Family, Career and Community Leaders of America).



**5075 Hospitality Job-Training II/Option 4 Program**  
**Full year, 3 credits (2 credits-Hospitality, 1 credit-Employability II)**

**Grade: 11-12**

**Prerequisite: Hospitality I or prior work experience**

Instructor and Counselor recommendation is required to participate in this community-based learning program. The students will be working daily and will rotate through four non-paid job sites at the following businesses: St. Charles Hospital, Arbors at Oregon (nursing and rehabilitation center), The Gathering Place (daycare, preschool and kindergarten center) and Toledo Head Start Preschool. This work experience gives the students the opportunity to continue to explore their field of interest, expand their job skills, learn different worker demands and refine their social skills. Integrated lessons in Hospitality and Employability will be conducted both in the classroom and in the field. All students are required to be a member of the student organization, FCCLA (Family, Career and Community Leaders of America).

**5079 Hospitality Job-Training III/Opt. 4 Program**

**Full Year, 3 credits (2 credits-Hospitality, 1 credit**

**Employability III)**

**Grade: 12**

**Prerequisite: Hospitality II or prior work experience**



Instructor and Counselor recommendation is required to participate in this community-based learning program. Integrated lessons in

Hospitality and Employability will be conducted both in the classroom and in the field. The program consists of more intense training and skill development in the student's field of interest. The students will also be exploring such topics as: transportation options, techniques for seeking and maintaining a job, updating resumes, improving communication skills and practicing independent living skills. During the 1<sup>st</sup> semester, the student is actively seeking employment. While he/she is not employed, he/she will continue daily, non-paid job-training at the community-based sites in the Hospitality II program. The goal is for employment during 2<sup>nd</sup> semester or earlier. The student will be developing the skills for maintaining their job beyond graduation. All students are required to be a member of the student organization, FCCLA (Family, Career and Community Leaders of America).

**6019 Introduction to Cosmetology**

**Full Year, 1 credit**

**Grade: 10**


This course is designed to cultivate a proper attitude and behavior patterns needed to create a successful cosmetologist. Subjects that are explored are: Ohio State Statutes and regulations, safety, bacteriology, sanitation, infection control, first aid treatment, structure and disorders of the nail an introduction to the basic fundamentals of hair, skin and nail care, hair styling and shaping, manicure and pedicures are also taught. The student will develop hands on skills and practice basic procedures using manikins and classmates. This class

will be a combination of related material and hands on practice in preparation for Cosmetology I.

**6023 Cosmetology I**

**Full year, 4.0 credits**

**Grade: 11**

 Cosmetology is a two-year program. Cosmetology I teaches basic hair styling, cutting, coloring, permanent waving, and manicuring, including acrylic and fiberglass nails. Skills are attained on mannequins, models and customers. The program includes a four period block of lab and related classes. Integrated Language Arts III and Applied Bio/Chemistry are incorporated to give the student graduation requirements. The fee is for both years and includes a student kit, textbooks, school general fee and student activity fee. *College Course equivalents through ODE: Microbiology & Infection Control (174115), Fundamentals of Haircutting & Styling (174125).*




**6028 Cosmetology II**

**Full year, 4.0 credits**

**Grade: 12**

**Prerequisite: Cosmetology I**

 Cosmetology II focuses on the practical application of hairdressing skills in a salon setting. Customer service, entrepreneurship, problem solving and salon management are a large part of cosmetology in the senior year. Integrated Language Arts IV, Economics and Government are incorporated for graduation requirements. Students also spend time going on field trips and doing internships in area salons. Upon completion of training, the student will take the Ohio State Board of Cosmetology License examination. Students who obtain proper licenses will be qualified to work in a salon. *College Course equivalents through ODE: Advanced Hair Cutting and Styling (174130), Advanced Chemical Services (174140).*



**6071 Introduction to Health Professions**

**One Semester, .5 credit**

**Grade: 9-10**

This course is open to any freshman or sophomore interested in pursuing a career in the health field. The course includes career exploration, health law and ethics, CPR, first aid, health care systems, person qualities of a health care worker, nutrition and introduction to computers. This course will enable you to become certified in first aid and CPR. *College Course equivalent through ODE: Health Science & Technology (072001).*

## 6032 Medical Terminology

Full year, 1 credit

Grade: 10-12

This course is open to any sophomore, junior, or senior interested in pursuing a career in the health care field. It provides basic and advanced techniques of medical word building which are applied to basic anatomy, pathology, and medical record analyses. With articulation agreements from Owens Community College and the University of Toledo, students passing this course with a B or better have the opportunity to earn college credit. *College Course equivalent through ODE: Medical Terminology (072150).*

## 6069 & 6070 Medical Technologies

Full year, 3 credits

Grade: 11-12



Medical Technologies is open to any junior or senior interested in a career in the medical field. The program includes three periods of clinical lab experience



that covers infection control, basic pharmacology, patient education, examinations, administrative duties, respiratory care, nursing communications, personal hygiene, employability skills, vital signs, physical therapy and first aid. *College Course equivalents through ODE: Principles of Allied Health (072035), Human Anatomy & Physiology (072040).*

## 6075 Medical Technologies Advanced

Full year, 3 credits

Grade: 12

Prerequisite: Medical Technologies



Students taking Medical Technologies the second year have two options: (1) they can acquire advanced skills in nursing, and respiratory care in acute and long term care



settings (2) Office procedures and phlebotomy. The students will complete a clinical experience upon completion of classroom expectations, including the capstone project. Medical Technologies helps prepare you for a career as a physician, radiologist, nurse, physical therapist, pharmacy technician, respiratory care therapist, medical assistant or medical receptionist. Students may receive certification in AHA CPR for health care provider & Certified Nurse Assistant and will be prepared to take the state test. *College Course equivalents through ODE: Patient Centered Care (072050), Pharmacology (072085).*

## INTEGRATED LANGUAGE ARTS (ILA)

416/431/446 Humanities ILA – found in Social Studies

### 410 Integrated Language Arts 9

Full year, 1 credit

Grade: 9-12

Language Arts 9 involves the integration of reading, writing, speaking and listening. Selections include fiction, nonfiction, and poetry. Vocabulary development and word origin study are part of the course. Original writing and other expository written expression are emphasized using the writing process.

### 415 Integrated Language Arts 9 Honors

Full year, 1 credit

Grade: 9-12

Prerequisite: Completion of ILA 8 with a B average and teacher recommendation

Integrated Language Arts 9 Honors includes the same elements as ILA 9 but is more rigorous in nature. The assigned readings and writings are more extensive and challenging, including the development of research skills. Students will be required to read four independent novels from an assigned genre and complete various projects. Regular assignments are given outside of class. Students enrolling in ILA 9 Honors may be required to complete a summer reading list and submit an essay during the first week of class.

### 425 Integrated Language Arts 10

Full year, 1 credit

Grade: 10-12

Prerequisite: Completion of two semesters of ILA 9

Integrated Language Arts 10 continues the integration of reading, writing, speaking and listening. The literature for ILA 10 is drawn from world authors, including a variety of texts with emphasis on interpretation and literary elements. Practice in narrative and informative and argumentative writing with focus on revision and editing, are part of this class and include further refinement of research and presentation skills.

### 430 Integrated Language Arts 10 Honors

Full year, 1 credit

Grade: 10-12

Prerequisite: Completion of ILA 9 General or Honors with a B average and teacher recommendation

Integrated Language Arts 10 Honors includes the same curriculum as ILA 10. The course emphasizes interpretation and analysis of a variety of literary genres. Writing skills using informative, narrative and argumentative techniques are practiced at sophisticated levels appropriate for the university-bound student. Special emphasis is placed on research, group collaboration and classroom presentation. Students may be required to complete a summer reading list and submit an essay during the first week of class.

#### **440 Integrated Language Arts 11**

**Full year, 1 credit**

**Grade: 11-12**

**Prerequisite: Completion of two semesters of ILA 10**

Literary selections for this course are drawn from American authors. Reading, writing, speaking, and listening skills continue to be developed. Greater focus is placed on research interpretation, analysis, and development of skills in using various resources.

#### **445 Integrated Language Arts 11 Honors**

**Full year, 1 credit**

**Grade: 11**

**Prerequisite: Completion of ILA 10 General or Honors with a B average and teacher recommendation**

The Honors class is also designed for the university-bound students, and incorporates the same curriculum as the ILA 11. Focus is on critical thinking, analyzing, and writing in response to assigned reading. Class participation, presentations, collaboration, and frequent writings are required. Students may be expected to complete a summer reading list to be used as a basis for their beginning in-class writings. An essay about these works would be submitted during the first week of class if a reading list is required.

#### **450 Integrated Language Arts 12**

**Full year, 1 credit**

**Grade: 12**

**Prerequisite: Completion of two semesters of ILA 11**

Literary selections in this course will focus on classic British and American contemporary authors. Reading, writing, speaking, and listening continue to be developed. Additional focus on interactive and analytical skills occurs. Writing emphasizes critical/analytical skills and independent revision and editing. Research-based writing is expected.

#### **455 Integrated Language Arts 12 Honors**

**Full year, 1 credit**

**Grade: 12**

**Prerequisite: Completion of ILA 11 General or Honors with a B average and teacher recommendation**

This course includes the same elements of ILA 12 taken to a higher level, focusing on the study and understanding of British literature. Students are required to complete a variety of papers, projects and presentations. Students learn by actively constructing meaning from both individual and cooperative group experiences including encounters with a broad range of print and non-print texts. Research skills are emphasized. Students may be required to complete a summer reading list and submit an essay during the first week of class.

#### **470 Creative Writing**

**Semester, .5 credit**

**Grade: 10-12**

**Prerequisite: Successful completion of two semesters of ILA 9**

Creative Writing is a one-semester elective course designed for students who want an opportunity to develop skills in the writing of short stories, poetry, plays, and other forms of imaginative writing. Emphasis is on writing as a process, and the class is conducted in a Writing

Workshop format. Students will share their creations with each other as well as the teacher. A literary magazine may be produced containing original works as part of the course content. This class is for students who enjoy writing.

#### **475 Speech**

**Semester, .5 credit**

**Grade: 10-12**

This class is designed to develop student skills in the areas of effective oral communication and research. Areas covered include effective public speaking, group discussion, and improving listening skills. Realistic practice will be given in each of the skills mentioned. Students planning to go on to college are encouraged to take this course.

#### **476 Sports Literature**

**Full year, 1 credit**

**Grade: 11-12**

**Prerequisite: Successful completion of two semesters of ILA 9 and two semesters of ILA 10**

This Language Arts elective is designed to offer the same standards in current 11G or 12G classes, but within the genre of Sports Literature. Students will be required to accomplish Common Core Standards such as Reading Informational Text, Speaking and Listening Skills, Writing, and Language within the area of nonfiction and fiction sports literature and research. The course will also place heavy emphasis on understanding the influences of media, specifically social media, within today's culture and climate. We will also cover the topics of business marketing and the social impact sports have on today's current culture. Students will read five novels over the entire year, four non-fiction and one fictional within the area of sports history and leadership. The aim of this course is to persuade students to learn today's Language Arts Standards within an area of their interest in Sports. **(This is not a course for just athletes as work requirements will be extensive.)**

#### **485 Yearbook I**

**Full year, 1 credit**

**Grade: 10-12**

**Prerequisite: Advisor approval is mandatory for placement in this class**

Yearbook I is a year-long course designed for sophomore, junior, and senior students who wish to produce the school yearbook. Students develop skills in copy writing, magazine-style layout design, basic photographic techniques, conducting interviews, time management and organizational skills. Students are eligible for Yearbook I based on an application and teacher letter of recommendation. A few underclassmen/women may be admitted to the class with recommendations and advisor approval. Students taking the class must be willing to devote much time, talent and energy to the production of a quality publication. Students must sell advertisements to help defray the cost of the yearbook.

## 486 Yearbook II

Full year, 1 credit

Grade: 11-12

**Prerequisite:** Yearbook I & Advisor approval is mandatory

Yearbook II is a year-long course designed for juniors and seniors who wish to produce the school yearbook. Students in Yearbook II have the opportunity to hold editorial positions in copy, layout design, photography, and business. Students learn IBM computer skills and InDesign page design. Accepting responsibility in meeting deadlines and cooperation are essential goals in the class. Students must sell advertisements to help defray the cost of the yearbook.

## 487 Yearbook III

Full year, 1 credit

Grade: 12

**Prerequisite:** Yearbook II & Advisor approval is mandatory

Yearbook III is a year-long course designed for seniors who wish to produce the school yearbook. Students in Yearbook III have the opportunity to hold editorial positions in copy, layout design, photography, and business. Students learn IBM compatible skills and InDesign page design. They use these skills to publish and market the Clay High School Crystal. Yearbook III students supervise other staff members or a portion of the production process. Students must sell advertisements to help defray the cost of the yearbook.

## 490 AP English Language and Composition

Full year, 1 credit

Grade: 12

**Prerequisite:** Successful completion at an "A" or "B" level or three years of ILA Honors classes

Advanced Placement English Language & Composition concentrates on intensive study of several genres of literature, emphasizing critical and analytical reading and writing. Students learn to organize ideas and present them coherently in both oral and written fashion through the production of timed, in-class writings and outside writing projects. Students should plan to spend regular blocks of time outside of class to complete assigned course work. Reading assignments are rigorous. Students who take Advanced Placement English Language & Composition are required to have an "A" or "B" average in other enriched high school English classes and a strong desire to succeed in a college level course. This course also includes a summer reading requirement and completion of a project and paper about books assigned. The project is due the first week of class. Successfully completing this course and attaining an appropriate score on the Advanced Placement Examination in English Language & Composition, administered in the spring of the year by the College Board, can earn college English credit for the student and prepare him or her to take more advanced level college English as a freshman.

## 497 Theatre Arts

Full year, 1 credit

Grade: 9-12

Theatre Arts is a year-long course that explores the many aspects of theatre. Students in Theatre Arts will have the



opportunity to act, read plays, be involved in technical theatre, understand the importance of theatre history and criticism, and attain an appreciation of theatre as a vital art form. Students will be engaged in hands-on activities, such as play and musical production, as well as viewing and critiquing live plays. Theatre Arts cannot be used as an alternative to the four-year Language Arts requirement. Ninth grade students will be permitted to take Theatre Arts with a teacher recommendation.

## INDUSTRIAL & ENGINEERING

### 6012 Automotive Technologies I

Full year, 3.5 credits

Grade: 11



 Automotive Technologies I is a basic introduction to automotive service and repair, which includes basic manipulative and technical skills needed to service today's modern automobile. The program of instruction provides three class periods of lab experience and one class of related technical information. Auto Tech I is an Automotive Service Excellence (ASE) master certified program and a member of the Automotive Youth Education System (AYES) sponsored by major automobile manufacturers.  College Course equivalents through ODE still being developed).

### 6017 Automotive Technologies II

Full year, 4 credits

Grade: 12


**Prerequisite:** Automotive Technologies I

 Auto Technologies II includes an advanced study of automotive systems. This program of instruction provides three class periods of lab experience and one class of related technical studies. Auto Tech II is a Automotive Service Excellence (ASE) master certified program and a member of the Automotive Youth Education System (AYES) sponsored by major automobile manufacturers.  College Course equivalents through ODE still being developed.

### 6040 Engineering Design & Development I

Full year, 2 credits

Grade: 11

This 2-period, project-based course is the first half of a two-year program designed to prepare students to successfully enter and advance in the Engineering Career Pathway.  The focus of ED&D I is the application of the engineering design process. Students will utilize 2D & 3D modeling software (AutoCAD 2015) to design solutions to solve proposed problems, document their work, and communicate solutions. Additionally, students will interpret industry prints, and create working drawings from functional models. Emphasis is given to experimental problem solving in real systems. In addition to the CAD software, students will utilize the production processes



applied across manufacturing operations. Students will develop a broad array of technical skills (including 3D printing) with an emphasis given to quality practices, measurement, maintenance and safety. *College Course equivalents through ODE: Engineering Principles (175002), Plan Reading (178091).*

### **6045 Engineering Design & Development II**

**Full year, 2 credits** **Grade: 12**

**Prerequisite: Engineering Design & Development I**

This is a two-year program designed to prepare students to successfully enter and advance in the Engineering profession. Students are taught the fundamentals of computer aided drafting and design. Training progresses toward advanced problems of detailed drawings and sketches related to engineering problems and architectural design. The program of instruction provides two class periods of laboratory experiences. In addition, classes in applied mathematics, science, Integrated Language Arts, are provided during the two-year program. Dual Enrollment at Northwest State Community College allows college credit will be awarded for completion of this course. The CADD program creates opportunities to develop drafting and other technical skills specific enough to enter and work as a CADD & Rapid Prototyping Technician. Employment opportunities exist in the areas of architectural, machine, structural, sheet metal, and electrical drafting. The broad skill set provides enough experience to gain employment in related fields as well. CADD & Rapid Prototyping is an essential course for College Engineering students. *College Course equivalents through ODE: Computer Integrated Manufacturing (175006), Manufacturing Operations (175003).*

### **6050 Electrical & Industrial Engineering I**

**Full year, 3 credits** **Grade: 11**

This course is the first half of a two-year course of study in Electrical and Industrial Engineering. Students will develop an understanding of the fundamental principles of electricity with emphasis on DC (direct current) circuits and an introduction to AC (alternating current) circuits. They will use concepts of Ohm's Law, Watts Law, and Kirchhoff's Laws in series, parallel, and series-parallel circuit applications. Students will utilize and maintain a wide variety of electrical test instruments including digital multimeters and oscilloscopes. Students will also be introduced to the National Electric Code and electrical safety, and apply them to industry and residential wiring applications and projects. In addition, Motors and Motor Control, Drive Systems, and Automation concepts will be introduced in preparation for the project-based senior year. This three-period course is developed to address the employment needs of local employers searching for industrial and electrical technicians. *College Course equivalents through ODE: DC and AC Electronic Circuits (175011), Mechanisms and Drives (175008).*



### **6055 Electrical & Industrial Engineering II**


**Full year, 3 credits** **Grade: 12**

**Prerequisite: Electronic Technologies I**

Seniors will continue the study of Electronic devices by constructing and analyzing circuits, and be introduced to digital electronics. In addition, seniors are introduced to sequential control, process control, and Programmable Controllers. These control systems are utilized in manufacturing and process automation systems as well as and residential control centers. As seniors, they will also investigate robotic processes used in production-based applications. This course relies heavily on the foundation skills developed in Electrical & Industrial Engineering I and works closely within a project-based team environment. Senior students will complete a Capstone Project as a requirement for course completion (Capstone may include internship with local pathway employer). This course is also a three-period course. *College credit is available at Owens Community College and/or NW State through College Credit Plus for two-year program completers. College Course equivalents through ODE: Robotics (175004), Analog Devices (175007).*

### **6082 Integrated Machining and Engineering I**


**Full year, 3.5 credits** **Grade: 11**

 Integrated Machining & Engineering program is a two-year Tech Prep program. This program is designed to prepare students for the engineering fields with an emphasis on mechanical & medical device engineering, advanced manufacturing and other related fields. Skills such as the operation of mills, lathes, grinders, and computerized numerical control (CNC) machines will be developed over the two year program with the second year focusing on more intricate operations. A wide range of classroom and laboratory experience will allow the students to apply theory to practice in creation of specific medical devices as well as different mechanical components. *College Course equivalents through ODE: Machine Tools (176004), Machining with Industrial Lathes (176005).*

### **6087 Integrated Machining and Engineering II**

**Full year, 3 credits** **Grade: 12**

**Prerequisite: Integrated Machining & Engineering I**

 Integrated Machining & Engineering II emphasizes advanced skill development and intricate operations. Projects may include replicas of surgical tools and medical devices as well as intricate mechanical components. Students will also be prepared for employment in entry-level positions as precision machinists in any of the apprenticeship training programs. Skills such as the operation of mills, lathes, grinders, and computerized numerical control (CNC) machines will be developed over the two year program with the second year focusing on more intricate operations. These skills will provide for employment in advanced manufacturing

and engineering technician fields with an opportunity to earn college credit through the College Tech Prep program. *College Course equivalents through ODE: Machining with Industrial Mills (176006), CNC w/ Mills & Lathes (176007).*

## MATHEMATICS

### **1004 Algebra 1 Double Block**

**Full year, 1.5 credits,**

**Grade: 9-12**

**Prerequisite: Teacher recommendation**

This course will meet for two periods for the entire school year and is geared toward students that need a less rigorous approach to Algebra. Some topics covered are working with signed numbers, order of operation, graphing, using formulas, functions, as well as solving linear equations and inequalities. Enrollment is by teacher recommendation only. Please see counselor for details.

### **1100 Algebra 1**

**Full year, 1 credit**

**Grade: 9-11**

This course will cover many topics and provide a well-rounded base for future learning in mathematics. Some topics covered are working with signed numbers, graphing, solving linear equations, functions, systems of equations and inequalities, exponents, and factoring. Geometric applications and problem solving strategies are involved throughout the entire course.

### **1200 Geometry Honors**

**Full year, 1 credit**

**Grade: 9-10**

This is an integrated geometry course with emphasis upon Euclidean Geometry. Students will learn how to develop basic reasoning skills. Deductive and inductive reasoning will be applied. Applications of one variable equations, graphing techniques, the Pythagorean Theorem, and some analytical geometry will be emphasized. The honors mathematics sequence leads to advance placement calculus during the senior year.

### **1110 Geometry**

**Full year, 1 credit**

**Grade: 9-12**

**Prerequisite: Successful completion of both semesters of Algebra 1 or Algebra 1 Honors**

This is an integrated geometry course with emphasis upon Euclidean Geometry. Students will learn how to develop basic reasoning skills. Deductive and inductive reasoning will be applied. Slope, area, and some analytic geometry will be explored. Applications of one variable equations, graphing techniques, and the Pythagorean Theorem will be emphasized.

### **1113 Geometry Double Block**

**Full year, 1.5 credits,**

**Grade: 10-12**

**Prerequisite: Successful completion of both semesters of Algebra 1 Double Block, or Algebra 1. Teacher recommendation only.**

This course will meet for two periods for the entire school year and is geared toward students that need a less

rigorous-approach to Geometry. Students will learn how to develop basic reasoning skills. Deductive and inductive reasoning will be encouraged. Graphing, area, Pythagorean Theorem, and some analytic geometry will be explored. This course is scheduled by counselor approval only.

### **1210 Algebra 2 Honors**

**Full year, 1 credit**

**Grade: 10-12**

**Prerequisite: Successful completion of both semesters of Honors Geometry or successful completion of both semesters of Geometry with a teacher recommendation**

This course will cover quadratic functions, matrices, radical expressions, conic sections, rational expressions, systems of equations, factoring and graphing. Problem solving strategies are involved throughout the entire course. The honors mathematics sequence leads to advanced placement calculus during the senior year.

### **1120 Algebra 2**

**Full year, 1 credit**

**Grade: 11-12**

**Prerequisite: Successful completion of both semesters of Geometry or Geometry Honors**

This course is an extension of Algebra 1 and Geometry. Quadratic functions, matrices, rational functions, systems of equations, conic sections graphing, and problem solving are stressed throughout.

### **1121 Integrated Technical Math**

**Full year, 1 credit**

**Grade: 11-12**

**Prerequisite: Must be enrolled in Integ. Machining & Engineering I or II. Successful completion of Geometry or Geometry Double Block**

An analytical approach to problem solving is emphasized in the geometry, trigonometry, compound angle, and numerical control sections. Integration of algebra and geometric principles with trigonometry by sequence and computation of material also is essential in solving applied machine technology mathematics. Each unit is accompanied by realistic industry-related examples and actual industrial applications. Many exercises and problems require the student to work with illustrations similarly found in machine technology handbooks, engineering drawings, and other applied technical materials.

### **1122 Algebra 2 - A**

**Full year, 1 credit**

**Grade: 11-12**

**Prerequisite: Successful completion of both semesters of Geometry or Geometry Double Block. Teacher recommendation only.**

This full year course covers the first half of the traditional Algebra 2 curriculum. Some of the topics covered are matrices, graphing, factoring, radical expressions, systems of equations, and complex numbers. This class is geared toward students that need a less rigorous approach to Algebra 2. The logical sequence is to enroll in Algebra 2 - B the following year.

## **1126 Algebra 2 - B**

**Full year, 1 credit**

**Grade: 11-12**

**Prerequisite: Successful completion of both semesters of Algebra 2 - A. Teacher recommendation only.**

This full year course covers the second half of the traditional Algebra 2 curriculum. Some of the topics covered are conic sections, graph and solve quadratic functions, polynomial functions, composition functions, inverse functions, rational functions, and exponential equations. This class is geared toward students that need a less rigorous approach to Algebra 2. The completion of Algebra 2 - A and Algebra 2 - B is equivalent to completing the Algebra 2 curriculum.

## **1130 Pre-Calculus**

**Full year, 1 credit**

**Grade: 12**

**Prerequisite: Successful completion of both semesters of Algebra 2 or Honors Algebra 2**

This is a college preparation mathematics course with the main focus on trigonometry. Functions, matrices, and vectors are some of the other concepts covered in the course.

## **1135 Business Math Using Excel**

**Semester, .5 Credit**

**Grade: 11-12**

**Prerequisite: Successful Completion of Algebra 2 or Honors Algebra 2**

This course prepares users for the business world by incorporating math concepts using two approaches. The first approach uses the traditional method of calculating. The second approach teaches those same concepts using the functions of Excel. Today's office workers are often challenged with Excel worksheets that include complex calculations that once were done using desktop calculators. Business Math Using Excel helps users create formulas and use the functions of Excel to make it the powerful application tool it is meant to be and to develop a high level of math skill.

## **1140 Applied Mathematics**

**Full year, 1 credit**

**Grade: 11-12**

**Prerequisite: Successful completion of Algebra I and Geometry**

This course will take concepts of Algebra and Geometry and apply them to real-world situations. Students will use problem-solving skills to model and solve applied problems involving sets, logic, number and quantity, Algebra, and Geometry. This course is **NOT** recommended for college-bound students.

## **1213 Probability and Statistics I**

**Semester, .5 credit**

**Grade: 11-12**

**Prerequisite: Successful completion of or concurrent enrollment in an Algebra 2 course (2, 2A, 2B, Honors)**

This course is geared toward all students whether college bound or career oriented. It is designed to show students how statistics are used to picture and describe the world and how statistics are used to make informed decisions.

The units of study included are the nature of statistics, description of data, probability, distribution, hypothesis testing, and regression analysis.

## **1214 Probability and Statistics II**

**Semester, .5 credit**

**Grade: 11-12**

**Prerequisite: Successful completion of Algebra 2 regular or honors and Probability and Statistics I**

This course is geared towards students who are either college bound or career oriented. The concepts and rationale of Probability and Statistics one are going to be expanded and used with real world data. The units of study included are binomial probability, normal probability distributions, confidence levels, and critical values

## **1220 Pre-Calculus Honors**

**Full year, 1 credit (Weighted at 4.5 A)**

**Grade: 11-12**

**Prerequisite: Successful completion of both semesters of Honors Algebra 2 or successful completion of both semesters of Algebra 2 with a teacher recommendation**

This pre-calculus course offers a rigorous review of the advanced algebra concepts. Systems of equations and inequalities, as well as analytic trigonometry are the focus of the course. The honors mathematics sequence leads to advanced placement calculus during the senior year.

## **1230 Advanced Placement Calculus**

**Full year, 1 credit**

**Grade: 12**

**Prerequisite: Pre-Calculus or Honors Pre-Calculus with teacher recommendation**

Advanced Placement Calculus is recommended for students who excel in mathematics and wish to deal with a college course in high school. The concept of limit is explored with applications of the integral and derivative. The concepts of algebra, geometry, and trigonometry are brought together and utilized in the various applications of calculus. By successfully completing this course and attaining a good grade on the Advanced Placement Exam, the student can earn college mathematics credit, while preparing for more advanced college mathematics.

## **1235 Calculus Honors**

**Full year, 1 credit**

**Grade: 12**

**Prerequisite: Pre-Calculus or Honors Pre-Calculus with teacher recommendation**

Calculus is recommended for students who excel in mathematics and wish to deal with a college course in high school. The concept of limit is explored with applications of the integral and derivative. The concepts of algebra, geometry, and trigonometry are brought together and applied to the various applications of calculus. This course is not intended for those students wishing to take the Advanced Placement Calculus test.

## MUSIC

### 2200 Concert Choir

Full year, 1 credit

Grade: 9-12

Concert Choir is open to any Clay High School student. Auditions are not required. Music listening, ear training, and basic music theory are all parts of the class as well as vocal production and breathing techniques, intonation and sight-singing. Music from all time periods will be performed including Baroque, Renaissance, and Classical, as well as the more current styles of jazz, Broadway, and popular music. Attendance at all scheduled concerts is mandatory.

### 2300 Concert Marching Band

Full year, 1 credit

Grade: 9-10

Concert Band (marching) is open to all students who meet the minimum standards as set up by the director. This band meets 7th hour, and is primarily made up of students in the 9th and 10th grades. All concert band members are members of the marching band.

### 2400 Symphonic Marching Band

Full year, 1 credit

Grade: 11-12

Symphonic Band (marching) is open primarily to students in grades eleven and twelve, and some tenth graders who meet the highest standards of proficiency as determined by tryouts in May. This group performs at concerts and contests and are all members of the marching band. This band meets 8th hour.

### 2404 Symphonic Marching Band Honors

Full Year, 1 credit

Grade: 12

**Prerequisites: Successful completion of 9<sup>th</sup>-11<sup>th</sup> gr. band & successful performance for a rating at OMEA Solo & Ensemble (to be completed by Junior Year)**

Band students in grade 12 may choose to enroll in band for honors credit. They must complete the same requirements as Concert/Symphonic Band, but will commit to fulfilling additional course requirements. Honors level band students will be held to higher standards of musical achievement in performance evaluations. These students will also be required to complete additional projects and must be able to mentor elementary/middle school band students. Enrollment in Honor Band requires the director's approval.

## SCIENCE

### 3000 Physical Science

Full year, 1 credit

Grade: 9-12

Physical Science will be taught as a year-long course, but each semester will focus on two different areas.

Physical science—P is a course which introduces students to the basic concepts and mathematical models of physics. These concepts include motion, energy, forces, waves, scientific thought & processes, and the impact of science and technology on society. Laboratory activities will be integrated into the class to introduce and strengthen key ideas throughout the semester.

Physical science—C is a course which introduces students to basic concepts of chemistry. Some of the principles of chemistry covered include atomic structure, the periodic table, chemical reactions, chemical bonding, properties of substances & mixtures, acids and bases, as well as philosophy science, and the impacts of science on society. Hands on laboratory activities will be incorporated to introduce and reinforce major themes throughout the course.

### 3010 Geology

Semester, .5 credit

Grade: 10-12

**Prerequisite: Biology, Biology Honors or Biology of Ecosystems**

This semester long course will cover the natural phenomena occurring on earth's surface. In class, students will learn how to read topographic maps, identify rocks and minerals, and gain an understanding of the forces that change the planets surface. This class typically incorporates a field trip to local areas of geological interest.

### 3015 Astronomy/Meteorology

One semester,.5 credit

Grade: 10-12

**Prerequisite: Biology, Biology Honors or Biology of Ecosystems**

This semester long course will look at weather phenomena, our atmosphere, and weather forecasting; as well as astronomy pertaining to stellar evolution, planets, lunar phases, and structure of the sun.

### 3302 Biology Honors

Full year, 1 credit

Grade: 9-12

**Prerequisite: "C" average or better in first semester of Physical Science Honors or an individual recommendation from student's current science teacher. It is highly recommended that freshmen students be enrolled in Honors Geometry as a co-requisite.**

**Students who have previously taken AP Biology, Biology or Biology of Ecosystems are ineligible to take Biology Honors.**

Honors Biology is a rigorous and accelerated Biology course designed for students who excel in science. It emphasizes the principles biochemistry, molecular biology, genetics and microbiology at a more in-depth level than regular Biology. The scientific method is the



course basis for lab activities and research. This class provides a solid preparation for Advanced Placement (AP) Biology but is not exclusively required for that purpose.

### **3304 Biology**

**Full year, 1 credit**

**Grade: 9-12**

**Prerequisite: Physical Science**

This is a college preparatory course involving both the classroom and the laboratory. Topics in the classroom include the chemistry of life, cellular structure and function, genetics, evolution, classification of life kingdoms, and ecology. Students perform laboratory experiments which integrate course content with their own direct experiences. The scientific method is used and students refine their skills as they use laboratory equipment.

### **3305 Biology of Ecosystems**

**Full year, 1 credit**

**Grade: 10-12**

**Prerequisite: Physical Science**

This course surveys organic chemistry, cells, genetics, ecology, evolution, and the six kingdoms of organisms. This course is intended for students who find abstract concepts difficult to comprehend. A teacher recommendation based on the student's need is required. Biology of Ecosystems is not intended to prepare students for college level biology.

### **3307 Principles of Biology**

**Full year, 0.5-1 credit**

**Grade: 11-12**

**Prerequisite: Biology non-credit**

This course is intended for those students who need to recover a life science credit. This course surveys organic chemistry, cells, genetics, ecology, evolution, and the six kingdoms of organisms. This class is not intended to prepare students for college level biology.

### **3310 Human Anatomy and Physiology**

**Full year, 1 credit**

**Grade: 11-12**

**Prerequisite: Student must complete two years of science one being General Chemistry the other Biology or teacher recommendation**

Human Anatomy and Physiology is a comprehensive study of the structure and functions of the human body. This elective course is open to juniors and seniors who are interested in the area of medicine. The course integrates an in-depth overview of medical terminology and theory. The class features the dissection of a cat and animal organs for comparative studies.

### **3315 Advanced Placement Biology**

**Full year, 1 credit**

**Grade: 11-12**

**Prerequisite: "B" or better in Biology or Biology Honors & Chemistry; or Chemistry Honors "C" or better.**

Advanced Placement Biology is the academic equivalent to freshman college biology. It is intended for students who are interested in careers in related science fields. Topics studied in-depth throughout the year include Molecules, Cells, Heredity, Evolution, Diversity of Organisms, and Ecology. Practical knowledge will be

gained through the completion of many biology laboratory experiences as recommended by the College Board. Students earning a "B" average or higher are encouraged to take the Advanced Placement Biology Exam at the conclusion of this course to gain college credit.

### **3320 Environmental Science**

**Full year, 1 credit**

**Grade: 10-12**

**Prerequisite: Physical Science, Biology, Biology of Ecosystems, or Biology Honors**

This is an activity-based course which conveys the fundamentals of natural ecosystems, energy flow, natural resources, weather patterns, aquatic systems, and geological processes. The impact of human activity is studied on soil, air, and water. As students become discriminating consumers, they will have studied food production, urbanization, and government and technological advancements.

### **3325 Scientific Investigations**

**Full year, 1 credit**

**Grade: 11-12**

**Prerequisites: Physical Science, Biology or Biology of Ecosystems and Teacher Recommendation**

Scientific investigations is a hands-on course that challenges students to form connections between previous science courses while developing their observational, analytical, and quantitative skills to better understand the physical world. The course design is based on the Ohio State Standards for grades 11-12 in science. Science skills such as; keeping a laboratory notebook, taking accurate laboratory measurements, using good laboratory technique, different ways in which to communicate data are emphasized and visited through the course.

### **3403 Chemistry**

**Full year, 1 credit**

**Grade: 10-12**

**Prerequisite: Physical Science and Biology or Biology Honors & Algebra I**

Chemistry I is a lab course for college-bound juniors and seniors. This year-long course deals with the composition of matter and its changes. This course will involve laboratory experiences that will allow the student to gather, sort, interpret data, and form conclusions. Technical writing, in the form of lab reports, will be one form of evaluation. Prospective students should have above-average mathematics skills. Students are required to purchase lab safety goggles. A lab fee will cover the purchase of lab materials.

### **3412 Chemistry Honors**

**Full year, 1 credit**

**Grade: 10-12**

**Prerequisite: "A" or "B" in Algebra I and Biology or Biology Honors**

Chemistry I Honors is an elective lab course for college-bound students who intend to take Advanced Placement Chemistry during their junior year or who plan on entering a highly technical/scientific field in college. This year-long course moves at an accelerated pace. Additionally, a

significant amount of lab work is involved in this course. Emphasis is placed on early mastery of basic chemistry concepts and foundations before moving into areas such as thermo chemistry, organic chemistry, kinetics, and acid-base chemistry. Students must provide or purchase an approved pair of goggles and a fee covers lab expenses such as lab notebooks.

### **3422 Advanced Placement Chemistry**

**Full year, 1 credit** **Grade: 11-12**

**Prerequisite: Chemistry Honors with teacher recommendation**

**Co-requisite: Algebra 2 or Honors Pre-Calculus**

AP Chemistry is an in-depth study of matter and its interaction with energy. The material covered is presented at the college level. Major emphasis is placed on the development of problem solving skills and advanced laboratory techniques. Technical writing, in the form of detailed lab reports, will be one form of evaluation. Students planning careers in science, energy, or medical fields will benefit from this course. Time is spent preparing for the AP chemistry exam. Students earning a "B" or higher in this course are encouraged to take the AP Chemistry exam. The AP Chemistry exam is a standardized test administered in May by the College Entrance Examination Board. Students who take this exam and receive a three or better on a five point scale can expect to receive college credit for their work in this course. Students will be expected to have approved safety goggles and a scientific calculator. A lab fee will cover the purchase of a lab manual and other lab materials.

### **3500 Physics**

**Full year, 1 credit** **Grade: 11-12**

**Prerequisite: Successful completion of Algebra 2 or Algebra 2A**

Physics will allow students to study and understand everyday phenomena in the physical world. Students will participate in lecture, problem solving skills and laboratory exercise. Students will be using the most advanced technology available during labs, which will prepare them for future college physics courses. Outside of class, students will be engaged in reading the physics textbook and supplemental materials, solving practice problems, and preparing for quizzes and tests.

### **3512 AP Physics C - Mechanics**

**Full year, 1 credit** **Grade: 11-12**

**Co-requisite: Calculus Honors or AP Calculus**

This year long course is modeled after the college course that engineering and physical science majors take. AP Physics is taught at the college level in terms of rigor and time commitment. The primary goal of the class is for the student to qualify for college credit by earning a 4 or 5 on the AP Mechanics exam in May.

### **6322 Principles of Technology**

**Full year, 1 credit** **Grade: 12**

**Prerequisite: Student must be in a career technical program**

This course is directly related to the trade and industrial career programs. It is a conceptual based physics course that includes a detailed and in depth study of four energy systems. The energy systems include Mechanical, Fluid, Electrical, and Thermal systems.

### **6323 Integrated Biology & Chemistry**

**Full year, 1 credit** **Grade: 11-12**

**Prerequisite: Physical Science**

This science class deals with a variety of concepts as they relate to Cosmetology. The class focuses on science concepts from career programs and the work place. Topics such as anatomy, bacteriology, sterilization, nutrition, and appropriate chemistry are covered in this year long course.

## **SOCIAL STUDIES**

### **4201 Humanities 9 - World Studies Honors**

**Full year, 2 credits (includes ILA 416)** **Grade: 9**

This exciting new approach to learning uses historical themes to connect the World Studies Honors course with the teaching of Honors English. This course puts the students through a demanding pace in self-regulated learning with many fascinating historical challenges as they study the great literature of the time. Students work together to create a French Revolution dramatic narrative, sponsor candidates to an Enlightened Leaders Hall of Fame and prepare their characters for the Industrial Revolution Global Conference. Moral dilemmas and productive thinking days, structured-decision making episodes, and many other collaborative opportunities hallmark the curriculum. Attention is paid to preparing the student for college by training the mind to think critically while improving writing and speaking skills. The course is divided into eight thematic units that date from 1750 to the late 20<sup>th</sup> century. Much focus is placed on preparing for the Social Studies portion of the OGY. **Admission is by application only.**

### **4210 Humanities 10 -**

#### **American Studies Honors**

**Full year, 2 credits (includes ILA 431)** **Grade: 10**

The tenth grade humanities course is a college-bound challenge that prepares the students to examine American History in combination with the great American literature from the late 19<sup>th</sup> and through the 20<sup>th</sup> centuries. The course is the natural progression from the ninth grade humanities class. However, students who believe they can manage the thinking, presenting, and writing workload are invited to enroll with the permission of the teachers. A variety of authentic assessments focus on thematic units over Industrialization; Imperialism; 20<sup>th</sup>

Century Conflict; The Major Political, Economic, and Social Developments in 20<sup>th</sup> Century America; and, a variety of case studies about the issues of culture, race, and civil rights and responsibilities. A major emphasis will be on fine tuning humanities students for the passing of the Social Studies portion of the OGT.

**4221 Humanities 11 -  
Classical Antiquity Honors**

**Full year, 2 credits (includes ILA 446) Grade: 11**

This third-year continuation of the Humanities Program continues the unique blend of social studies and English instruction geared to the college-bound student. This course's focus will be upon the time period of classical antiquity, and students will examine the history and literature of the Greeks and the Romans, as well as the peoples of the Middle Ages and the Renaissance. Coursework will focus upon the study of the primary documents and the exploration of ancient epics and drama including Homer and Shakespeare, and the students will produce authentic assessments that continue the Humanities Program's emphasis upon critical thought, research skills and analytical writing.

**448 Humanities 12 – Postwar American  
Cultural and Social History (1945-Present)**

**Full Year, 1 English credit elective Grade: 12**

**Prerequisite: Honors English, Teacher Approval**

This final humanities course will examine the sociological and cultural currents of America during the 1950's, 1960's, 1970's, and 1980's through the study of the cultural artifacts of the time, including novels, poetry, drama, film, music, television, and even comic books. Students will be asked to critically examine the popular culture that they exist within, and ask tough questions about our societal evolution during this turbulent time. A major component of the course will be a research project that will ask students to dig deeply into a cultural subject of their choosing. Critical reading and writing will remain a focus of the curriculum, as it has in all humanities courses.

**4000 World Studies**

**Full year, 1 credit Grade: 9**

World Studies covers important World History topics starting with the Enlightenment Period and concluding with the Cold War. Class will be taught with a heavy emphasis on content development including the use of critical thinking/writing skills in order to make various connections between the topics. Students in this class should be able to demonstrate sufficient mastery of reading comprehension and written expression skills in order to cover the content at the depth and pace the course requires. Successful students in this class will demonstrate improved critical thinking/writing skills and an in-depth understanding of World History content.

**4200 World Studies Honors**

**Full year, 1 credit Grade: 9-12**

**Prerequisite: "B-" or higher in both LA & Social Studies in 8<sup>th</sup> grade year**

Students who are strong writers and have good reading comprehension, that are not afraid of completing assignments, might be interested in the World Studies Honors course. The class is demanding and requires students to work through Primary Source Documents, historical issues that require critical thinking and other learning scenarios beyond the classroom textbook. This course is a good fit for students who do not want to handle the Humanities experience but still wish to work for a weighted grade, while receiving accelerated preparation for the Ohio Graduation Test (OGT).

**4010 Introduction to Law**

**Semester, .5 credit Grade: 9-12**

Introduction to Law will provide students with an understanding of practical law which will be of use in their everyday lives. This course will consist of a detailed and informative explanation of criminal, consumer, tort, family, housing, environmental law, and individual rights.

**4025 World Geography**

**Semester, .5 credit Grade: 9-12**

World Geography is a course that will enable students to read maps, charts, or graphs to draw conclusions regarding natural resources and topography of the United States and the World. The student will be able to locate major bodies of water, continents and significant places in the United States, and important regions and countries of the world. Students will understand that graphic locations affect the political and economic systems of the world. Physical and Cultural Geography will be the major areas of concentration in this course. Physical Geography includes map studies, topography, landforms, climate and vegetation. The study of language, government, economy, religion, and social groups will be investigated in Cultural Geography.

**4043 U.N. Security Council Simulation Honors  
(Fall Semester)**

**Semester, .5 credit Grade 10-12**

**Prerequisite: Successful completion ("B" or higher) in Social Studies and English or teacher recommendation. Application and permission of instructor is mandatory for freshmen.**

The U.N. Security Council Simulation is a course where sophomores, juniors, and seniors learn about the year's most recent world security crisis and learn how the U.N. Security Council works to solve it. During simulations of the U.N. Security Council meetings, students become diplomats of UN Security Council nations and work to debate and solve crisis. The course focuses on development of knowledge of international politics and individual nations' foreign policies along with skills in critical analysis, public speaking, diplomacy, teamwork, and interpersonal relations, research, citizenship, and

leadership. This class participates in the annual three-day Canadian-American Security Council Competition the first Thursday, Friday, and Saturday of December.

#### **4044 U.N. General Assembly Simulation Honors (Spring Semester)**

**One semester, .5 credit**

**Grade 10-12**

**Prerequisite: Successful completion ("B" or higher) in Social Studies and English or teacher recommendation. Application and permission of instructor is mandatory for freshmen.**

The U.N. General Assembly Simulation is a course where sophomores, juniors, and seniors learn about the purposes of the U.N. General Assembly and how the Assembly works to solve the struggles of the International Community. During simulations of the U.N. General Assembly meetings, students become diplomats of UN General Assembly nations and work to debate and solve international struggles. The course focuses on development of knowledge of international politics and individual nations' foreign policies along with skills in critical analysis, public speaking, diplomacy, teamwork, and interpersonal relations, research, citizenship, and leadership. This class participates in the annual five-day Mid-American Model U. N. Competition in March.

#### **4045 Advanced U.N. Simulation I Honors (Fall Semester)**

**One semester, .5 credit**

**Grade 11-12**

**Prerequisite: U.N. Security Council Simulation Honors or Model U.N. I Honors**

Students in this class take leadership roles as they work with the students of the Security Council class. Students work on further developing the knowledge and skills attained in their first Model U.N. course. This class participates in the annual Canadian-American Security Council Competition.

#### **4046 Advanced U.N. Simulation II Honors (Spring Semester)**

**One semester, .5 credit**

**Grade 11-12**

**Prerequisite: U.N. General Assembly Simulation Honors or Model U.N. I Honors**

Students in this class take leadership roles as they work with the students of the General Assembly Class. Students work on further developing the knowledge and skills attained in their first Model U.N. course. This class participates in the annual Mid-American Model United Nations Competition in March.

#### **4047 Advanced Placement Comparative Government and Politics (Advanced U.N. Simulation III)**

**Full Year, 1 credit**

**Grade 11-12**

**Prerequisite: U.N. Security Council Simulation, U.N. General Assembly Simulation, Model UN I Honors or Teacher Recommendation**

Advanced Placement is a course where students will

study an advanced comparative government and politics curriculum. Students will learn about developed democracies, developing democracies, and states in transition through the simulation of the General Assembly, the European Union, the Arab League, the African Union, and the International Court of Justice. The course focuses on development of knowledge of international politics and individual nations' foreign policies along with skills in critical analysis, public speaking, diplomacy, teamwork, and interpersonal relations, research, citizenship, and leadership. Students may earn college credit by taking and passing the Advanced Placement exam at the end of the year. This class participates in the annual Canadian American Security Council Competition and the Mid-American Model United Nations Competition. This course does not fulfill the American Government requirement for graduation.

#### **4100 Behavioral Sciences**

**Semester, .5 credit**

**Grade: 10-12**

Who am I? How did I get this way? (Psychology) Behavioral Sciences provide the student with the opportunity to examine a variety of research and theories regarding human behavior. Class will examine 5 existing theories of human behavior and their treatment philosophies for emotional disturbances and mental breakdown. Typical class instruction will use experiments and re-enactments of existing research in order to provide insight into these 5 theories while gaining a greater appreciation of our own individual behavior in the world.

#### **4105 Social Issues**

**Semester, .5 credit**

**Grade: 10-12**

Social Issues will provide students with a greater understanding of themselves and their role in society. This social issue elective will focus on a variety of topics that are relevant to the life of a high school student including self-esteem, relationships, drugs, and depression. This highly experiential and discussion-oriented class provides the student with an opportunity to examine many topics at an in-depth and personal level. Social Issues students will be given an opportunity to re-connect with themselves in a meaningful/genuine way while building healthy connection with others through various activities and class projects.

#### **4120 The American Civil War**

**Semester, .5 credit**

**Grade: 10-12**

The American Civil War is very arguably America's most important war. In this course the causes of the war, and the war itself will be the primary focus. The political, social, cultural, and military aspects of the war itself will be studied in depth with an emphasis on the significant decision makers involved. Civil war issues such as conscription, anti-war movements, and military and political leadership in times of war will be compared to the same issues facing America today.

### **4230 Advanced Placement U.S. History (1492-Present)**

**Full year, 1 credit** **Grade: 10-12**  
**Prerequisite: Successful completion ("B" or higher) of Honors 9 English and Honors 9 Social Studies (Including Humanities)**

This course is recommended for college bound students who have successfully completed honors or humanities English and Social Studies their freshman year. The purpose of Advanced Placement American History is to provide an opportunity for advanced students to discuss, both orally and in written form, major interpretative issues in history, as well as to receive a basic survey of the chronology of events in American History. Emphasis is placed on critical writing, reading, and discussion of such problematic issues in American History as foreign policy developments, reform movements, cultural changes and domestic policy developments. Successfully completing this course and attaining a satisfactory grade on the Advanced Placement exam can earn college Social Studies credit for the student and prepare him/her to take more advanced college Social Studies as a college freshman. Students will read a chapter a week from a college text. A summer assignment is due on the first day of class. Due to the difficulty of AP courses, students are graded on the adjusted AP grading scale where 5 points may be earned for an A+

### **4250 American History**

**Full year, 1 credit** **Grade: 10-12**

Tenth grade students will prepare for the passing of the Social Studies portion of the OGT with an examination of American History concepts and chronological periods from 1877 to the Present. Students will take a serious look at the historical events of the last 160 years to explain the social, political and economic effects of American industrialization. They will also analyze the reasons the United States gained control of territory through imperialism and the impact on people living in the territory that the US controlled. The connection of developments related to American participation related to World War I and the onset of World War II. Students who did not get and/or keep an OGT workbook their freshmen year will need to purchase one.

### **4302 Advanced Placement U.S. Government & Politics**

**Full year, 1 credit** **Grade: 11-12**  
**Prerequisite: Successful completion ("C" or higher) in US History and ILA10 or teacher recommendation.**

The purpose of Advanced Placement American Government is to provide an opportunity for advanced students to examine the legislative, executive, and judicial branches of government at the national, state, and local level. Emphasis is placed on essay writing, discussion, and critical thinking skills. Successfully completing this intensive study of American Government will prepare students for the Advanced Placement exam.

Students can potentially earn college Political Science credit by achieving a passing score on the A.P. exam. Since the Ohio Standards are taught over the entire year, a student must remain in the course the entire school year to fulfill the graduation requirement of American Government.

### **4303 American Government**

**Semester, .5 credit** **Grade: 11**  
**Prerequisite: Junior Year Status**

To prepare you for the responsibilities of citizenship, this one-semester course will provide a detailed overview of the history, structure, and workings of the U.S. government. You will gain insight into the foundations of our democracy, interpret the Constitution, identify the powers of government, evaluate federalism, and understand the importance of separation of powers and checks and balances. You will also consider the roles played by various political actors (i.e., the president, Congress, the courts, interest groups, mass media, social movements) in shaping the public agenda, evaluate the wisdom or fairness of various government policies, and make reasoned decisions about current and future political issues. As a class, we will learn together, evaluate U.S. governmental processes, work on communication skills, and apply what we have learned to real-world situations.

### **4305 Economics Honors**

**Semester, .5 credit** **Grade: 11**

This honors class includes an introduction to basic economic concepts such as scarcity, opportunity costs, supply and demand; a comparison of the world's two major economic systems, socialism and capitalism; a survey of the world's major economies including North American, Western Europe, Asia and the emerging capitalist countries in Eastern Europe; and the globalization of contemporary business (the sale and manufacture of products and services worldwide). An overriding theme of the class will be the impact these trends will have on students' choices in the modern workforce. This is the college preparatory economics class.

### **4313 Principles of Economics**

**Semester, .5 credit** **Grade: 11**  
**Prerequisite: Junior Year Status**

Principles of Economics is a study of consumer rights, responsibilities, and consumer protection. Students will discuss the effect on the consumer of advertising, and investigate ways to make wise purchases. (Homes, car, insurance, and other major purchases will be discussed). Additional topics studied include: labor unions, Social Security systems, taxes, national debt, supply and demand, market structure, and their effects on consumers' purchasing power.