

CLAYMONT HIGH SCHOOL
2011-12
REGISTRATION BOOKLET AND COURSE SELECTION GUIDE

This registration booklet and course selection guide is designed to provide information to students and parents concerning the subjects offered at Claymont High School and the requirements necessary for graduation. The student and the parent/guardian need to consider: **(1) New Graduation Requirements, (2) Personal Interests, (3) Individual Aptitudes, and (4) Post High School Plans** when selecting next year's courses.

Parents are urged to contact the high school guidance counselors concerning the registration process and the selection of courses. Appointments, if needed, may be made to speak with the counselors by contacting the school at (740) 922-3471.

PLANNING A COURSE OF STUDY

The best high school course of study is one planned before the student enters high school and the one planned as a comprehensive whole, to meet the needs, interests, and aptitudes of the student. It will start with a diversified program in the freshman and sophomore years and will concentrate in one or two special fields in the junior and senior years. The earlier a student discovers the field in which he/she has the most interest and ability, the easier will be his task of planning wisely the course of study.

All students are urged to plan their courses of study on a four-year basis around their special interests and aptitudes. Parents should aid students in making these tough choices.

THE COURSES IN THIS BOOKLET REPRESENT ALL COURSES THAT EXIST IN OUR CURRICULUM. HOWEVER, ALL COURSES MAY NOT BE OFFERED DUE TO VARIOUS FACTORS. WE DO HAVE SOME EXCITING NEW OFFERINGS FOR NEXT. Please consider the wave of the jobs in the future when considering electives.

ACADEMIC POLICIES

Registration

The process of selecting and enrolling in specific courses is required of each student yearly. Many of the items found in this booklet will form the basis upon which the registration process can be accomplished more beneficially.

ALL COURSES LISTED IN THIS BOOKLET FOR ONE (1) CREDIT ARE FULL YEAR COURSES. ALL COURSES LISTED FOR ½ CREDIT WILL LAST FOR ONE (1) SEMESTER (ONE HALF YEAR). PHYSICAL EDUCATION COURSES ARE ¼ CREDIT AND WILL LAST FOR ONE (1) SEMESTER. P.E. CLASSES ARE REQUIRED BY THE OHIO DEPT. OF ED.

Weighted Grades

The policy adopted by the Board of Education in January, 2007 is:

1. ALL AP classes taught at the high school will have weights of 5.0 for A, 4.0 for B, etc. and ALL students in AP classes MUST take the end of course exam. This has been the practice since the inception of AP classes.
2. Beginning with the 2006-07 school year, NO post-secondary or dual enrollment classes will receive weighted grades.
3. Upper level courses taught at the high school, such as (but not limited to) Physics, Anatomy & Physiology, Chemistry, Trigonometry, III/IV years of foreign languages, and the enriched English 9, 10, 11, and 12 classes will be weighted on a 4.5 system. This is to encourage students to take more challenging courses, which colleges reward as well.

* The approved class list to receive weighted grades will be determined by a committee consisting of the Curriculum Director, Gifted Coordinator, High School Principal, and appropriate high school department heads, on an annual basis. If the committee cannot reach a decision on a specific class, the Superintendent will make the final determination.

Grading Scale and Quality Points

The following will be used to determine letter grades and quality points for cumulative average for all courses that receive letter grades:

A	92 - 100	4.00
B	83 - 91	3.00
C	74 - 82	2.00
D	65 - 73	1.00
F	00 - 64	0.00

AP courses are weighted so that A=5.00, B=4.00, C=3.00, etc.

Upper level courses may be weighted so that A=4.5, B=3.5, C=2.5, etc.

Course Load

1. **Each** student is required to enroll in no fewer than six (6) credits per year. (According to Ohio High School Athletic Association policy, a student must have passed five (5) credits or the equivalent in the preceding grading period in order to be academically eligible to participate on an athletic team.)
2. Students should select classes so their schedules will include no more than one (1) full study hall per day, per semester.
3. Students are expected to be in school the full school day.

****Class Change Policy**

The purpose of registration is to gather relevant information to serve as the basis for planning the master schedule. We schedule staff for the coming school year according to the master schedule.

Once registration is completed, schedule changes will be permitted only in extreme circumstances. Before any change may take place, it must be approved by the parent/guardian, the student's counselor, and the principal.

Schedule changes will be made only because of:

1. Clerical errors by the office
2. Program changes such as Claymont High School to Buckeye Career Center
3. Buckeye students wishing to transfer back to Claymont High School (after one week only)
4. Documented health concerns
5. Adding a class in place of a study hall

Other than the above, the following policy will govern all schedule changes:

1. No course may be added after five class days
2. A course dropped after the twelfth (12th) day of class will result in a grade of WITHDRAWN FAILING (WF). This is figured in the grade point average as an F.
3. Required courses may not be dropped
4. Extenuating circumstances will be reviewed by the counselor and principal on an individual basis.

Student Classification

The class standing of students is determined as follows:

Freshmen	Fewer than five (5) credits
Sophomores	Minimum of five (5) credits
Juniors	Minimum of ten (10) credits
Seniors	Minimum of fifteen (15) credits

HONOR ROLL

Students are selected for the Honor Roll based on their grade point averages for the nine-weeks grading period.

Principal's List

The Principal's List is the highest of the academic honor rolls. To be eligible for the Principal's List a student must have a nine-weeks grade point average of 4.00 or above, with no grade below a "C."

High Honors

To be eligible for the High Honors List, a student must have a nine-weeks grade point average ranging from 3.60 – 3.99 with no grade below a "C."

Honors

In order to be selected for the Honors List, a student must have attained a nine-weeks grade point average ranging from 3.20 – 3.59 with no grade below a "C."

CRITERIA FOR DIPLOMA WITH HONORS

Beginning with the Class of 2011, the Ohio Board of Education has outlined the following guidelines, with the college prep student being required to meet seven out of the following eight requirements:

1. Four units of English; If a student is taking post-secondary courses, he must have American and British Lit in the mix with writing courses.
2. Four units of mathematics, which shall include Algebra I, Algebra II, Geometry, and another higher level course or a four-year sequence of courses which contain equivalent content;
3. Four units of science, including one unit of physics and one unit of chemistry; these must be science content classes with labs;
4. Four units of social studies;
5. Three units of one foreign language or two units each of two foreign languages;
6. One unit of fine arts;
7. Maintain an overall high school GPA of at least 3.5 on a 4.0 scale up to the last grading period of the senior year; or
8. Obtain a composite score of 27 on the ACT assessment (excluding the optional writing test) or a combined score of 1210 on the CollegeBoard's SAT verbal and mathematics sections (excluding the required writing section)

TECHNICAL/VOCATIONAL DIPLOMA WITH HONORS

The student who completes an intensive career-technical education curriculum while in high school (BCC) must meet any seven of the following eight criteria:

1. Four units of English;
2. Four units of mathematics, which shall include Algebra I, Algebra II, geometry and another high level course or a four-year sequence of courses which contains equivalent content;
3. Three units of science including one unit of physics and one unit of chemistry (science content classes with labs)
4. Four units of social studies;
5. Four units in a career-technical education program that leads to an industry-recognized credential, results in an apprenticeship, or is part of an articulated career pathway, which can lead to post secondary credit. If the student's program design does not provide for any of these outcomes, then the student must achieve the proficiency benchmark established for the applicable Ohio career-technical competency assessment or the equivalent;
6. Achieve the proficiency benchmark established for the Ohio Career-Technical Competency Assessment or equivalent assessment aligned with state-approved and industry validated technical standards; or
7. Maintain an overall high school grade point average of at least 3.5 on a 4.0 scale up to the last grading period of the senior year; or
8. Obtain a composite score of 27 on the ACT (excluding the optional writing test) or a combined score of 1210 on the CollegeBoard's SAT verbal and mathematics sections (excluding the score obtained on the required writing section).

THE EDUCATIONAL PROGRAM

Credit Requirements

All courses are given credit based upon the number of hours the courses are in session. Academic classes must meet 120 clock hours to earn one (1) full credit. Laboratory classes must meet 150 hours for one (1) unit of credit. Physical education classes must meet a minimum of 60 hours for ¼ credit.

Graduation Requirements

To meet the requirements for graduation, a student must successfully complete (pass) a minimum of twenty-one (21) credits. The following are mandatory for all students graduating from Claymont High School (including students attending Buckeye Career Center).

English	4 Credits (English 9, 10, 11, 12)
Social Studies	3 Credits Global Studies I American History American Government
Science	3 Credits
Mathematics	3 Credits (while in high school) Beginning with the Class of 2014, 4 credits are required.
Health	½ Credit
Phys. Ed	½ Credit (2 semesters)
Business/Technology Or Fine Arts, or Foreign Language	1 Credit (Class of 2014 must have 1 credit in fine arts, and it can be taken anytime in grades 7-12; BCC students are exempt from this requirement)
Electives	5 or 6 Credits

*Post-secondary students must have at least one semester of American Literature combined with another English class to count as English 11, and one semester of British or European Literature combined with another English course to count towards English 12, OR the equivalent of these courses as approved by the guidance counselor and principal. Some new courses allow post-secondary students to take the college class at CHS. TO COUNT AS A CLAYMONT SCIENCE, classes must include labs and be scientific in nature, similar to our own Biology, Chemistry and Physics classes.

* Post-secondary students will only be considered full-time for CHS IF they are taking 15 credit hours per semester at college. A combination of courses would use the formula of 3 credit hours at college counting as 1 semester course at CHS. For example, 12 credit hours at college PLUS 1 course at CHS would equal 15 credit hours. Physical education will not be included in that formula. Between the two schools, a minimum of 5 classes per semester/quarter must be scheduled.

**EDUCATION PLANNING
RECOMMENDED COURSE SEQUENCE**

FRESHMAN YEAR

<u>OWE/VOCATIONAL</u>	<u>TECH/JR. COLLEGE</u>	<u>COLLEGE PREP</u>	<u>ADVANCED</u>
English 9A or 9R	English 9R	English 9E	English 9E
Algebra I	Algebra I	Algebra I or Geom.	Geometry
Physical Science	Physical Science	Phys. Sci. or Bio	Phys. Sci. or Bio
Global Studies I	Global Studies I	Global Studies I	Global Studies I
Health	Health	Health	Health
P.E.	P.E.	P.E.	P.E.
Electives	Foreign Language Speech Electives	Foreign Language Speech Electives	Foreign Language Speech Electives

SOPHOMORE YEAR

<u>OWE/VOCATIONAL</u>	<u>TECH/JR. COLLEGE</u>	<u>COLLEGE PREP</u>	<u>ADVANCED</u>
English 10A or 10R	English 10R	English 10E	English 10E
Geometry	Geometry	Geometry or Alg. II	Algebra II
Biology I	Biology I	Biology I or Chem.	Biology or Chem.
American History	American History	American History	American History
P.E.	P.E.	P.E.	P.E.
Electives	Foreign Language Electives	Foreign Language Electives	Foreign Language Electives

JUNIOR YEAR

<u>OWE/VOCATIONAL</u>	<u>TECH/JR. COLLEGE</u>	<u>COLLEGE PREP</u>	<u>ADVANCED</u>
BCC or CHS English	English 11R	English 11E	English 11E
BCC or CHS Algebra II	Algebra II	Trigonometry	Trigonometry
BCC or Environmental	Chemistry	Chemistry +	Physics or AP
Electives	Foreign Language Electives	Foreign Language Electives	Foreign Language Electives

SENIOR YEAR

<u>OWE/VOCATIONAL</u>	<u>TECH/JR. COLLEGE</u>	<u>COLLEGE PREP</u>	<u>ADVANCED</u>
BCC or CHS English	English 12R	English 12 E	English 12AP
BCC or OWE	Transition Math	AP Calculus	AP Calculus
BCC or OWE	Elective Science	Physics or AP	AP Science
BCC or CHS Government	Government	Government	Government
Electives	Electives	Electives	Electives

GRADS (GRADUATION REALITY AND DUAL ROLE SKILLS)

GRADS is a state sponsored program which is offered to our pregnant teens and teen parents while in school at Claymont High School or at Buckeye Career Center. It may be offered for credit if the student is enrolled for the entire year. This includes the teen mothers and fathers. The class is taught one period per week, and schedules can be adjusted to accommodate the class. Students will be enrolled as soon as the pregnancy is confirmed. Students are eligible to remain in GRADS classes yearly up to graduation. The class includes information on caring for self and baby. It focuses on knowledge and skills related to:

- A healthy pregnancy
- Responsible parenting
- Orientation to the world of work
- Economic independence

ENGLISH/LANGUAGE ARTS DEPARTMENT

Students must receive credit for one (1) English course at each grade level (English 9, 10, 11, and 12) in order to meet the requirements for graduation.

#044 Applied English 9 (Eng. 9A)

Required for graduation

PRE-REQUISITE: Teacher Recommendation

1 Credit

Fee: None

This course is designed to teach the basics of literature and grammar. Students will learn the elements of prewriting and writing, stressing spelling, punctuation, and paragraph structure. This course will focus on practical job and life related reading and writing skills.

#040 English 9R

Required for graduation

PRE-REQUISITE: None

1 Credit

Fee: None

This course is for students who are proficient in reading and writing and want to improve upon their reading and writing skills in preparation for some type of higher education. The students will learn the elements of writing and begin analyzing literature in a more mature manner. Poetry, drama, and short stories will be discussed with much of the literature coming from both fiction and non-fiction selections. Students should be prepared for both written and oral reports and essays in this course.

#041W Enriched English 9 (Eng. 9E)

Required for graduation

PRE-REQUISITE: Counselor/Teacher Recommendation

weighted class

1 Credit

Fee: \$15

Students MUST be recommended by 8th grade teachers in order to enroll in this class, as it is for the student with good work ethics and great attendance. This course is for students who have already mastered the basic grammar and sentence patterns. Areas of study that are stressed include vocabulary development, reading and writing skills, and analyzing literature. Students are taught to organize their thoughts and express themselves clearly. Literature study involves all major types of literature, with emphasis on short story and novel. Much independent reading and reading logs are required. Students will be involved in a variety of writing assignments: oral and written book reports, literary analysis papers, and journal writing. Assignments and projects will involve higher level thinking skills and some are required to be typewritten or composed on a computer. The fee is included because students are required to purchase the Jr. Great Book, which is necessary for this course.

#050 English 10R

Required for graduation

PRE-REQUISITE: English 9

1 Credit

Fee: None

English 10R focuses on improving the skills tested on the reading and writing OGT, including the study of literature, composition and grammar. The grammar portion is a review of basic grammar skills with emphasis placed on helping the student express himself/herself in clear sentences and paragraphs, stressing variety in form. The literature consists of fiction, nonfiction, poetry, and drama. Emphasis is placed on vocabulary, literary concepts, and writer's devices. Research skills and selection of potential sources are introduced. Students should be prepared for both written and oral reports and essays in this course.

#090 Advanced Placement English Literature and Composition (A.P. Eng) 1 Credit
Weighted Grade Fee: \$80
PRE-REQUISITES: "B" in English 11E and Teacher Recommendation
excellent attendance, required summer reading

Advanced Placement Literature and Composition will engage the student in careful reading and critical analysis of imaginative literature. Through close reading of selected texts, students will deepen their understanding of the ways writers use language to provide both meaning and pleasure to their readers. The course includes intensive study of representative works or recognized literary merit. Extensive writing assignments are a key component of AP Literature and Composition.

THE PURPOSE OF THIS COURSE IS TO PREPARE STUDENTS TO PASS THE A.P. ENGLISH TEST. THEREFORE, ALL STUDENTS ENROLLED IN AP LITERATURE ARE REQUIRED TO TAKE THE A.P. TEST. THE TESTING FEE WILL BE REFUNDED TO STUDENTS WHEN THEY PASS THE A.P. TEST WITH A SCORE OF 3-5.

#0521 Speech ½ Credit
Elective for Grades 9-12 Fee: None
PRE-REQUISITE: None

Speech is a one-semester course designed to develop a student's public speaking abilities. Students will use library and computer research skills to develop speeches to introduce, inform and persuade. Emphasis is placed on improving critical thinking and listening skills, identifying propaganda, and outlining skills. This course is recommended for all college bound students.

#0631 Speech II/Communications ½ Credit
Elective for grades 9-12 Fee: None
PRE-REQUISITE: B or above in Speech and/or permission of instructor

This course builds on the skills learned in basic speech class. It is designed to help students develop better speech habits and to achieve poise and self-confidence when speaking before an audience. Students will learn to give oral presentations, prepared in a logical, well-organized manner. In addition to informative and persuasive speaking, the students will be introduced to debate and oral interpretation. Students will also explore interpersonal, intrapersonal, and intercultural communication. This class MAY be offered every other year, depending upon student demand for the class.

#053 Yearbook 1 Credit
Elective for Grades 10-12 Fee: None
PRE-REQUISITE: "B" in English AND Teacher Recommendation

Students will design the school's yearbook - photographing school events, writing copy, and preparing page layouts. They will also be involved in several fundraisers and advertising projects requiring some after-school availability. In addition, students may be asked to attend four days of summer camp at no expense to the students.

#0721 Surviving College 101

Elective for College Bound 11th and 12th

½ credit

PRE-REQUISITE: English 10E/11E

Fee: None

Grade of "B" or higher in English 10R/11R

This is a one semester class which will cover:

Preparation for ACT test

MLA research paper

Test-taking skills

APA research paper

College selection and application process

Internet research skills

Scholarship and college application essays

Short papers using Internet resources

College survival skills (study skills, time management skills, interpersonal skills)

Technology needs for the college student

Basic financial skills (checking, loans, credit)

#0641 Literature of the Holocaust

Elective for College Bound 11th and 12th

½ credit

PRE-REQUISITE: C or higher in English 9 and 10

Fee: \$30

The purpose of this class is to give students the insight into many historical, social, religious, political, and economic factors that cumulatively resulted in the Holocaust. Students will gain awareness of the complexity of the subject and a perspective on how a combination of factors can contribute to the disintegration of democratic values. The hope is for students to understand that it is the responsibility of citizens in any society to learn to identify danger signals, and to know when to react to prevent actions such as genocide and the steps that may lead to it. Semester elective class.

SOCIAL STUDIES DEPARTMENT

Students must have a total of three (3) social studies credits to meet the graduation requirements from Claymont High School. Those MUST include one credit each in: Global Studies I, American History, and Government. Beginning with the Class of 2014, a semester of Personal Finance is also mandatory. All other classes will be considered as electives.

#151 Global Studies (1600-present)

Required for Grade 9

1 Credit

Fee: None

This course focuses on how the Scientific Revolution, the Enlightenment, and the Industrial Revolution changed Europe and the rest of the world. Ideas of liberalism, nationalism, and democracy are also explored. Major topics include, but are not limited to: the French Revolution, Imperialism, the Russian Revolution, the World Wars, the Great Depression and the Cold War. The class also spends several weeks preparing for the Sophomore Ohio Graduation Test.

#160 American History

Required for grade 10

1 Credit

Fee: None

American History examines the story of modern America – its diverse people, its varied landscape, its sturdy democracy, and its great events. Students will make connections between the past and the present. Some of the topics covered include: Industrialization, Imperialism, progressivism, the Twenties, the Great Depression, WW II, the Cold War, Civil Rights, the Vietnam years, and Watergate. The class meets the demands of the Ohio Graduation Test.

#170 American Government

Required for grade 12

1 Credit

Fee: None

The course is designed to help students gain an understanding of how our governmental system is organized and how the system functions. The course focuses on the organization of the legislative, executive, and judicial branches on the federal, state, and local levels. Students will also have the opportunity to register to vote and learn how the election process works.

#1501 Personal Finance

Elective for all students

Will be required for all students beginning with the Class of 2014

½ Credit

Fee: none

Personal Finance will provide you with an awareness of personal financial issues. You will learn how to create a budget and use a checking account, understand the importance of health, life and auto insurance, and plan for the future.

Semester course open to all students; it will be required beginning with the Class of 2014.

#1502 Current Events

Elective for all grades

½ Credit

Fee: \$5

Current events, or “What’s happening in your current world?” The goal of this class is to raise student interest in, and to promote awareness of, the stories making headlines, by “staying on top of the news.” This class will use presentations, debates, discussions, and writing to help increase awareness of current issues and to achieve the goal of becoming informed citizens.

#1503 America in WWII and Resulting Pop Culture

½ Credit

Elective for grades 11 and 12

Fee: none

This course will examine the American impact on WWII as well as the war’s impact on American society, during and after the war. Topics covered in this semester course include: Civil rights and the role of women during WWII, initial American assistance to the Allied powers, the American campaign in Europe and the Pacific (with special attention to the build-up and invasion of Europe). We will also study Midway and the island hopping in the Pacific, the evolving relationship between Churchill, Roosevelt, and Stalin, and post-war pop culture that includes the baby boom, 1950’s Americana and the counter culture movement of the 1960’s (Beatles and Elvis).

#1504 History of Sport

½ Credit

Elective for grades 11 and 12

Fee: \$5

This class will examine the development of sport(s) in America. Students will gain historical knowledge about the origins and development of various sports in America and worldwide through readings, primary sources, audio/visual materials, and discussion. Our study will also focus on political, social, cultural, economic, and intellectual concepts throughout the chronological history of sport. Students will understand why and how sports have become a popular cultural phenomenon. Students will also learn a greater appreciation for the issues that have affected sports such as gender, discrimination, race, and class economics. Also, they will begin to recognize the influence that commercialization has within the sports world.

#162 Psychology

1 Credit

Elective for grades 11 & 12 only

Fee: none

PRE-REQUISITE: Must have passed Global Studies I, American History, and the OGT in SS

This course deals with others. What is creativity, and why do one out of every five people need some type of professional help? The course will also deal with such topics as dreaming, hypnosis, memory, and hallucinations. In addition, the class will study how we learn language, how love grows, adolescence, maturity, self-images, and the development of personalities.

#190 AP American History

weighted grade

1 credit

PRE-REQUISITE: “A” or “B” average in Global Studies I and Am. Hist.

Fee: \$80

Teacher recommendation, excellent attendance (open to students in grades 11, 12)

*Qualified students who wish to take this equivalent to college level U. S. History will have the potential for earning college credit. **OFFERED EVERY OTHER YEAR ONLY.***

AP History is a survey course designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in United States history and arrive at conclusions on the basis of an informed judgment. Students will be expected to present reasons and evidence clearly and persuasively in essay format. Topics covered will include, but are not limited to: political institutions and behavior; public policy; social and economic change; diplomacy and international relations; and cultural and intellectual developments. This will be accomplished through chronological coverage of a concise text and supplementary readings in the form of documents and books on special themes.

THE PURPOSE OF THIS COURSE IS TO PREPARE STUDENTS TO PASS THE AP U.S. HISTORY TEST. THEREFORE, ALL STUDENTS ENROLLED IN IT ARE REQUIRED TO TAKE THE AP TEST. THE TESTING FEE WILL BE REFUNDED TO STUDENTS WHEN THEY PASS THE AP TEST WITH A SCORE OF 3-5.

SCIENCE DEPARTMENT

All students must pass three years of science to graduate. STS I (Physical Science) and Biology are required of all students. The third year of science may consist of Environmental Science, or Chemistry, depending upon what you plan on doing after high school. Any student who is planning on attending college should take Chemistry, Physics, and as many other advanced science classes as possible.

For future careers in a medical field:

Chemistry
Physics
AP Biology
AP Chemistry

For future careers in an engineering field:

Chemistry
Physics
AP Biology
AP Chemistry
Physical Geology

#240 Physical Science

Required for graduation – grade 9

PRE-REQUISITE: None

1 credit

Fee: \$10

1 period

This class is designed around two of the most fundamental disciplines of science: physics and chemistry. These areas will be taught through minds-on activities that integrate everyday life. Students will see the connections between the sciences and how science is important in their lives. This course is designed to aid freshmen in preparing for the Ohio Graduation Test and future science courses.

#250 Biology

Required for graduation – grade 10

PRE-REQUISITE: STS or Physical Science

1 credit

Fee: \$20

1 ½ periods

This course will focus on the central topics of life science including cells, genetics, energy transfer, DNA, ecology, evolution, and the kingdoms of life. Concepts, thinking skills, and writing skills will be emphasized. Projects will be assigned to allow for creativity and the utilization of technology. Preparation for the Ohio Graduation Test will be stressed.

#251 Biology E (advanced option for college prep. students)

PRE-REQUISITE: weighted grade

For students with at least a B in Physical Science AND teacher recommendation

1 credit

Fee: \$20

1 ½ periods

This course will provide a more in-depth study of the central topics in life science including the cell, genetics, DNA, ecology, evolution and the Kingdoms of Life. Work will require the students to not simply memorize facts, but apply those facts beyond their normal thinking. Laboratory work, research projects, field work, journal reading and dissections will be the central core of this class. It is expected that students will work extensively outside of class. High level thinking and writing skills will be utilized. This class will be fast paced and is intended to help the student advance to higher life science courses with ease.

#262 Environmental Science 1 credit
PRE-REQUISITE: Teacher recommendation and passed Biology Fee: \$10

This single period course will explore a multitude of issues concerning our environment and how humans are affecting our planet. Global warming, overpopulation, diminishing resources, green building, pollution, urbanization, sustainable agriculture and living “off the grid” will be explored.

#260 Chemistry 1 credit
PRE-REQUISITE: C in Biology or teacher recommendation Fee: \$20
Students should also be in Algebra II 1 ½ periods

The course focuses on the composition, structure, and properties of matter and the changes it undergoes. General topics of study include the organization of matter, the language of chemistry, phases of matter, the behavior of solutions, chemical reactions, organic chemistry, and nuclear chemistry. Weekly lab activities reinforce these topics by relating “real world” applications to each current area of study. Students will explore the impact of chemistry on modern society as well as its impact on their personal lives.

#261 Chemistry E (advanced option for college prep. Students) 1 credit
PRE-REQUISITE: At least B in Enriched Biology or teacher recommendation 1 ½ periods
Weighted Class Students should also be taking Algebra II Fee: \$20

The course focuses on the composition, structure, and properties of matter and the changes it undergoes. General topics of study include the organization of matter, the language of chemistry, phases of matter, the behavior of solutions, chemical reactions, organic chemistry, and nuclear chemistry. Weekly lab activities reinforce these topics. Several extensive lab reports requiring work outside of normal school hours are mandatory. This class is planned in order to prepare students for post-secondary study in chemistry, biology, physics, geology, and engineering. Academic and behavior expectations for this course are the equivalent to those of a collegiate freshman level chemistry course.

#270 Physics 1 credit
PRE-REQUISITE: Passed chemistry, taking Trig. Fee: \$20
1 ½ periods

This course is a study of the physical universe including kinematics, circular motion, sound, light, electrical circuits, nuclear decay, and optics. This class focuses on problem-solving skills and is very mathematically intensive. It will cover labs using lab pros, hands-on labs and simulation labs. Intensive study time and independent work are mandatory for success in this class. Any student wanting to enter post secondary study in chemistry, physics, geology, engineering, or medicine should take this course. Academic and behavior expectations for this course are the equivalent to those of a collegiate freshman level physics course.

#271 Physics E 1 credit
PRE-REQUISITE: At least a B in Enriched Chem. OR teacher rec. Fee: \$20
Weighted grade Student should be taking trig. too 1½ periods

This course is a study of the physical universe including kinematics, circular motion, sound, light, electrical circuits, nuclear decay, and optics. This class focuses on problem-solving skills and is very mathematically intensive. It will cover labs using lab pros, hands-on labs and simulation labs. Intensive study time and independent work are mandatory for success in this class. Any student wanting to enter post secondary study in chemistry, physics, geology, engineering, or medicine should take this course. Academic and behavior expectations for this course are the equivalent to those of a collegiate freshman level physics course.

#272W Physical Geology - ONLY offered every other year - weighted grade 1 credit
PRE-REQUISITE: Jr. or Sr. who has earned at least a 'C' in Chemistry Fee: \$10
Will be offered again in the 2012-13 school year!

This class will include a study of the nature of earth, its materials and the processes, which continue to change it. An in depth study of the geologic history of earth, succession of major groups of plants and animals interpreted from rocks and fossils will be explored. Specific topics will include minerals, rocks, plate tectonics, geochemistry, volcanism, glaciers, coastlines, and other geologic structures. Students who are considering a major in engineering, geology, natural science or environmental science would benefit from this class. Expect a lot of laboratory work as well as field trips.

#252W Anatomy & Physiology weighted class 1 credit
PRE-REQUISITE: "C" in chemistry or teacher recommendation Fee: \$10
1 period

This course will be an in-depth study of the human body and biotechnology. Dissection of animals and animal parts is an essential part of this course. It is designed for future science majors to get a head start on college course material. Great for anyone thinking of going into a health care related career

#2712 Water Quality ½ credit
PRE-REQUISITE: 3 years of science (concurrent) or permission of instructor Fee: \$5

This second semester course will focus on issues with water quality around the globe and right in our back yards. We will study the chemical, geological, and biological importance of water and how it impacts all things on earth. Real-world problems including water treatment and pollution will be explored through labs, data collection, research, writing and presentations. An advanced creek study will be included in this course and out-of-school time will be required to fulfill the requirements of the ongoing research.

#2732 Forensic Science ½ credit
PRE-REQUISITE: 3 years of science (concurrent) or permission of instructor Fee: \$5

In this exciting first semester course, DNA analysis, blood typing, examination of skeletal remains, soil analysis, fingerprinting, and facial reconstruction are a few of the topics that will be covered. The class will focus on the science involved in solving crimes. This is intriguing field gaining popularity on college campuses.

#291 AP Biology

weighted grade

1 credit

PRE-REQUISITE: Jr./Sr. status with a B or better in Biology and Chemistry plus teacher recommendation.

1 ½ periods

Fee: \$80 + cost of text book IF you want to purchase it.

Offered every other year – Look for it in the 2012-13 school year

This class is intended to provide students with a solid background in modern biology and to help students gain an appreciation for the scientific process. This involves an incredible commitment on the student's part. We will be moving at a rapid pace in order to cover all materials for the AP exam in May. We will cover topics such as cellular organization and function, the transfer of energy through living systems, cellular reproduction, and classification of living things, the kingdoms of life, human systems and animal behavior. There will be extensive lab work to supplement the lectures. You will be expected to do much reading and scientific writing to keep up with the material. Be prepared to work! Behavioral and academic expectations for this course are equal to those of a college freshman level biology course.

#290 AP Chemistry

weighted grade

1 credit

PRE-REQUISITE: Jr./Sr. status – B or better in Chemistry 1 ½ per.

Fee: \$80

Offered every other year

This class covers topics on matter, atoms, stoichiometry, solutions, and thermo chemistry, electronic structure, bonding, gases, chemical equilibria and electrochemistry. The course is designed to prepare students for passage of the AP test in May of each year. A grade of 3 or higher is usually accepted by most universities and colleges as credit for one year of freshman chemistry. The class is laboratory based so many topics will include labs along with lecture. Chemistry: the Central Science by Brown-Lemay is the text used. Behavioral and academic expectations for this course are equal to those of a college freshman level chemistry course.

THE PURPOSE OF THESE AP COURSES IS TO PREPARE STUDENTS TO PASS THE AP BIOLOGY AND/OR CHEMISTRY TEST. THEREFORE ALL STUDENTS ENROLLED IN THE COURSES ARE REQUIRED TO TAKE THE CORRESPONDING ADVANCED PLACEMENT TEST. THE TESTING FEE WILL BE REFUNDED BY THE SCHOOL BOARD WHEN STUDENTS PASS THE AP TEST WITH A GRADE OF 3-5.

SCIENCE COURSE PROGRESSIONS**FROSH**

Physical Science

SOPHOMORES

Biology or Biology E

JUNIORS**SENIORS (all are electives)****Must take one of the following:**

1. Chemistry
2. Environmental Science
3. Chemistry E

1. Physics – passed chem. and trig (or taking concurrent)
2. Anatomy and Physiology – in or have passed Chem.
3. Physical Geology – Jr./Sr. with at least a C in Chem.
4. Environmental Science

Possible electives in addition:

1. Anatomy and Physiology – in/passed chem.
2. Physical Geology – Jr./Sr. with C in Chem.
3. Environmental Science
4. Water Quality (1/2 year)
5. Forensics (1/2 year)
6. AP Chemistry or AP Biology

5. Water Quality (1/2 year)
6. Forensics (1/2 year)
7. AP Chemistry
8. AP Biology

MATH DEPARTMENT

In order to meet the graduation requirements for graduation from Claymont High School, a student must earn credit in three (3) math courses (four credits beginning with Class of 2014). For most students, this will include Algebra I, Algebra II, and Geometry. According to the new state guidelines, every student must progress through Alg. II, beginning with the Class of 2014. These must be taken in high school.

#341 Pre-Algebra 1 Credit

PRE-REQUISITE: Recommendation by 8th grade math teacher

This course is designed to act as a transition between 8th Grade math and Algebra I. It contains a review of general math principles and gradually introduces students to the algebraic concepts of variable, phrases, and equations.

#342 Algebra I 1 Credit

PRE-REQUISITES: None

This course is designed as the first high school math course for students in the general and college prep curriculum. The class will focus on the study of mathematical symbols, numbers, operations, and the relationships that exist between these items. The four basic operations of adding, subtracting, multiplying, and dividing will be applied to all numbers and symbols in a logical and consistent manner. The ability to think, concentrate, and organize material is very important. This is the basic course for work in higher levels of mathematics. Students may take this in junior high, and it will appear on their transcript as a math, but will NOT count as 1 of the 3 or 4 required math classes for all high school students.

#351 Geometry 1 Credit

PRE-REQUISITE: Algebra I

This course is designed and recommended for the student who has completed Algebra I. Topics of geometry will be covered more theoretically with a higher level of difficulty. Topics covered include: angles, polygons, transformations, triangles, parallel lines, similar and congruent figures, coordinate geometry, surface area and volume, and deductive proofs related to geometric figures.

#360 Algebra II 1 Credit

PRE-REQUISITE: Algebra I

This is a continuation of Algebra I, involving a more in-depth study of the relationships between numbers and symbols. A thorough analysis of rational expressions, radicals, and complex numbers will be presented. Coordinate geometry, conic section, and linear-quadratic systems will be explored.

#361W Trigonometry/Pre-calculus 1 Credit

PRE-REQUISITE: "C" or higher in Algebra II and Geometry
And teacher recommendation

A study of triangles and their properties, analysis of practical trigonometry, and theory of trigonometry to gain insight into structure of trigonometry as a mathematical discipline is covered. Analytic geometry is a joining of the two fields of geometry and algebra. The study of the figures of geometry (circles, straight lines, etc.) is applied with algebra to graph these figures on rectangular coordinate systems.

#340 Algeo

1 Credit

Grade 11 only, **if** OGT math was not passed

Fee: None

PRE-REQUISITE: Algebra I and Geometry (exceptions to be made by math dept.)

This course is designed to explore concepts from algebra and geometry with a heavy emphasis on problem-solving and higher order thinking skills. It is required for students who have not passed the math section of the OGT and recommended for students who struggled with Alg. I and/or Geom.

#380 Transition to College Math

1 Credit

Elective for Grade 12

Fee: None

PRE-REQUISITE: Senior Status ONLY, C or better in Alg. II

This course is geared to the mathematical needs of the non-science or non-math major student who needs to have a good background for general college level mathematics. All topics are covered that prepare the non-science major for college with enough depth to help the student for college math success in a college Algebra course. The course level is not quite as rigorous or demanding as for those going into potential math and science fields in college. In the second semester, there will be an introduction to functions and matrices. Use of the graphing calculator will be emphasized.

#390 A.P. Calculus

1 credit

Weighted Grade

Fee: \$85.00

PRE-REQUISITE: "A" or "B" in Trig./Pre-Calculus

Textbook

Teacher Recommendation

(if purchased)

This class is intended for serious math students who have a mastery of algebra, geometry, and trigonometry. A very small portion of time will be spent on elementary functions. The majority of the course focuses on differential and integral calculus.

THE PURPOSE OF THIS COURSE IS TO PREPARE STUDENTS TO PASS THE AP CALCULUS TEST. THEREFORE, ALL STUDENTS ENROLLED IN THIS COURSE ARE REQUIRED TO TAKE THE AP TEST. THE TESTING FEE WILL BE REFUNDED TO STUDENTS WHEN THEY PASS THE AP TEST WITH A SCORE OF 3-5.

ANY DEVIATION IN PLACEMENT FROM THE SPECIFIED PRE-REQUISITES WILL REQUIRE WRITTEN PARENTAL ACKNOWLEDGEMENT THAT THE DEPARTMENT STRONGLY ADVISES AGAINST SUCH PLACEMENT AND THAT LACK OF SUCCESS OR EVEN STUDENT FAILURE IN THE COURSE IS A STRONG POSSIBILITY.

#362 Algebra 2.5

1 credit

Elective for Grade 11

Fee: none

PRE-REQUISITE: Algebra II

Junior level course geared towards moderately successful Algebra II students who want to expand or improve their Alg. II skills and be introduced to basic trigonometry concepts. The course is considered a precursor to Precalculus/Trigonometry. Topics covered will include: review of factoring/solving equations; in-depth look at conic sections; functions, radicals, and exponents; matrices and sequences; probability; basic trigonometry.

#363 ACT Prep Class

½ credit

Elective for Grades 10, 11, 12

Fee: none

PRE-REQUISITE: Must be in or passed Alg. II

This elective course is designed to prepare students for success on the math portion of the ACT. A review of key concepts as well as test-taking skills will be covered.

COMPUTER/BUSINESS DEPARTMENT

A PRE-REQUISITE FOR ALL COMPUTER CLASSES IS THAT THE STUDENT MUST HAVE A SIGNED ACCEPTABLE USE POLICY (GRANTING INTERNET USE) ON FILE WITH THE SCHOOL DISTRICT.

#3621 Basic Computer Applications

½ credit

Elective for grades 9-12

Fee: \$5

PRE-REQUISITE: none

Designed for students who are unfamiliar with the Microsoft Office Software or those who would like to “brush up” on their computer skills, Basic Computer Applications is ideal for those who want to gain a broader understanding of the various applications of Microsoft Word, Publisher, Power Point and Excel. Through hands-on activities and a wide range of unique projects, students will enhance their basic computer skills and gain knowledge and understanding of the Microsoft Suite that will be valuable to them in high school and beyond.

#3731 Integrated Computer Applications

½ Credit

Elective for Grades 9-12

Fee: \$5.00

PRE-REQUISITE: Basic Computer Applications

Semester Course

Do you enjoy working with computers? Are you looking for a way to challenge yourself and unleash your creativity? If so, Integrated Computer Applications might be for you. In this class you will have the opportunity to design an assortment of business and financial documents, advertising and publicity pieces, promotional presentations, databases and much more.

The purpose of Integrated Computer Applications is to build upon a student’s basic computer skills. Utilizing Microsoft Word, Publisher, Power Point, and Excel software, students in this class will participate in several real-world business simulations where they will enhance their computer skills as they perform a variety of tasks including those of desktop publishers, Microsoft Office specialists, sports marketers, business owners and many others. This class is perfect for those who enjoy working with computers or anyone who is interested in learning how Microsoft Office software is utilized in business and industry

#3711 Web Design

½ Credit

Elective for Grades 9-12

Fee: \$5.00

PRE-REQUISITE: none

Semester Course

Students will use HTML, Cascading Style Sheets (CSS), JavaScripts and Adobe Dreamweaver CS4 to create web pages. They will also be introduced to graphic design and editing software Adobe Fireworks CS4.

#3712 Claymont School District Website Update

½ Credit

Elective for Grades 10-12

Fee: None

PRE-REQUISITE: B in Web Design AND Teacher Recommendation

Students will design and update the school district web site – photographing school events, interviewing, writing copy, and preparing web pages/sites.

#3732 Automated Accounting

1/2 Credit

Elective for Grades 9-12

Fee: \$5.00

PRE-REQUISITE: None

Semester course

This course is intended for students who want to learn accounting principles and how computers are used for accounting applications. No prior knowledge of computers or computerized accounting is required.

#6483 Video Editing I

½ Credit

Elective for Grades 10-12

Fee: \$10.00

PRE-REQUISITE: "C" or better in Multimedia I
Teacher Recommendation

Semester Course

This course is designed to provide an appreciation of the video industry. Digital Video Editing software and PhotoShop will be used extensively in this class. Video and digital cameras and a portable video studio will also be used. Students **must be** willing and able to video tape some school events after school hours.

#6484 Video Editing II

½ Credit

Elective for Grades 10-12

Fee: \$10.00

PRE-REQUISITE: "C" or better in Video Editing I
Teacher Recommendation

Semester Course

This course is designed to teach the basic principles of video production. It offers a conceptual introduction and practical experience on how to shoot video that is steady, in focus, well framed, and most importantly, that it tells a story. By taking this course you will learn how to operate camcorders in field situations making use of available and supplemental light. You will be required to operate camera/equipment during sporting events after school. This course will be an introductory course to your Senior level Tech Prep II.

#6487 CMN NEWS I and #6488 CMN NEWS II

½ Credit each

Elective for Grades 11-12

Semester Course

Fee: \$10 per semester

This course is designed to provide students an appreciation of the news industry. Digital video cameras and the portable studio will be used to give students an understanding of how news is produced. Students will edit using digital video software. Knowledge of Photoshop is recommended, but not required. **Students who take this class must be willing to appear on camera when necessary.** Students will conduct interviews and report on events occurring around the school and in the community or world.

#691 and #692 – Tech Prep (Interactive Media)

3 credits per year

Elective for Grades 11-12

Fee: \$25

PRE-REQUISITE: see scheduling booklet, page 39, for complete description

Students training in the area of interactive multi-media will become competent in creating, designing, and producing interactive multi-media products and services. This program of study emphasizes the development of digitally-generated or computer-enhanced media. Students will use multi-media technology to develop products/programs for business, training, entertainment, communications and marketing. Essential skill areas include, but are not limited to: Animation, Media Design, Interactive Digital Media, GUI Interfaces, Instructional Application, Application Design, Authoring Languages, Audio/Visual Production, Digital Imaging.

For DUAL ENROLLMENT classes taught by KSU-T in our building, please see last page of this booklet.

FOREIGN LANGUAGE DEPARTMENT

#440 French I

Elective for Grades 9-11

PRE-REQUISITE: Recommendation of English Teacher

1 Credit

Fee: None

The student will develop basic speaking, listening, reading and writing skills related to everyday life in a French-speaking country. The student will gain an awareness of contemporary life in France and the francophone world. Regular attendance is required for success in this course. Classroom participation is expected.

#450 French II

Elective for Grades 10-12

PRE-REQUISITE: "C" in French I

1 Credit

Fee: None

This class will further the student's ability to function in everyday situations in the French-speaking world. Students will increase their proficiency in speaking, listening, reading and writing, and will gain a deeper understanding of the culture of the French-speaking world. Classroom participation and good attendance are expected.

#460W French III

weighted class

Elective for Grades 11-12

PRE-REQUISITE: "B" in French II

1 Credit

Fee: None

This class will develop increasingly complex speaking, listening, reading and writing skills, with communication as the ultimate goal. Students will further develop an appreciation and understanding of the cultures of French-speaking countries. Classroom participation and good attendance are expected.

#470W French IV

weighted class

Elective for Grade 12

PRE-REQUISITE: "B" in French III

1 credit

Fee: None

This class is a continuation of French III. The student will continue to develop communication skills through more complex reading, writing, listening and speaking activities. Students will analyze, compare and discuss cultural norms of French-speaking countries. There will be frequent homework and quizzes, as well as chapter tests. Classroom participation and good attendance are expected.

#441 Spanish I

Elective for Grades 9-11

PRE-REQUISITE: Recommendation of English Teacher

1 Credit

Fee: None

Good memorization skills are crucial in order to do well in this class. Emphasis is on proper grammar and correct spelling in the Spanish language. Because of this, students need to have good English grammar skills in order to understand and make use of the corresponding grammar rules in Spanish. Excellent attendance and study habits are necessary for anyone taking this course. There will be frequent homework assignments and quizzes to help the student master the material being covered.

#451 Spanish II

Elective for Grades 10-12

PRE-REQUISITE: "C" in Spanish I

1 Credit

Fee: None

Students will advance their knowledge of Spanish by learning several verb tenses, grammar structures, and vocabulary. Listening, speaking, reading, and writing skills will be expanded as the student progresses through this level. The ability to memorize and utilize information is crucial. Excellent attendance and study skills are necessary for a student to do well in this class.

#461W Spanish III

Elective for Grades 11-12

PRE-REQUISITE: "B" in Spanish II

weighted class

1 Credit

Fee: None

Students will continue to learn communication techniques for use in real-life situations. Previously learned verb tenses and grammar structures will be expanded upon greatly. Writing, reading, speaking and listening skills will be put to the test in this class. Again, excellent attendance and study skills are a must for this class

FAMILY AND CONSUMER SCIENCE DEPARTMENT

#5411 & #5412 Personal Development I & II

Elective for 9-12 must sign up for both semesters

1 Credit per year & 1 period

Fee: \$15

This course is intended to provide students with knowledge and skills which will aid them in managing work and family responsibilities for the well-being of self and others. This course is a year-long course separated into two parts. During one semester the emphasis will be on making clothing decisions, basic sewing skills, creating a living environment, balancing work and family responsibilities, and self-esteem. The other semester will be spent exploring food choices, food preparation skills, parenting responsibilities and improving family relations.

#5731 Creative Cooking

Elective for Grades 10-12

PRE-REQUISITE: Sophomore, Junior, or Senior status

½ Credit

Fee: \$30.00

Semester Course – 1 period

This class is designed to provide students with basic cooking skills. Students will become familiar with, and be able to prepare quick breads, appetizers, small meals, desserts, and side dishes. The class will help students understand the correlation between good nutrition and good health. Topics covered include basic kitchen knowledge, safety dietary guidelines, and discussion and application of different food groups.

#5741 Advanced Foods

Elective for Grades 10-12

PRE-REQ.: Passed Creative Cooking and approval of instructor

½ Credit

Fee: \$35.00

Semester Course – over 2 lunch periods

This class is designed as a continuation of Creative Cooking to provide students with the opportunity to further their knowledge of cooking, including more advanced food and meal preparation techniques. The course content will cover main dishes, desserts, foreign foods, table settings, meal service, and dining etiquette.

#5721 Parenting

Elective for Grades 10-12

PRE-REQUISITE: Sophomore, Junior, or Senior status

½ Credit

Fee: None

Semester course – 1 period

This course is intended to provide students with knowledge of the process of pregnancy and birth, to understand growth and development of children, and to help students become responsible parents in the future. Some topics that will be covered include: heredity and environment, characteristics and needs of infants, toddlers, preschoolers, and school aged children. Identifying and preventing child abuse will also be discussed.

ART DEPARTMENT

#640 Art I

Elective for Grades 9-12
PRE-REQUISITE: None

1 Credit
Fee: \$10.00

The purpose of Art I is to develop appropriate knowledge and appreciation of art through creative and manipulative experiences leading to an appreciation of art in society. Art I includes art history, aesthetics, social implications and studio which includes experiences in drawing, painting, collage, perspective, design, ceramics, three-dimensional art forms, and an art vocabulary.

#650 Art II

Elective for 10-12
PRE-REQUISITE: Art I

1 Credit
Fee: \$10.00

Art II is aimed toward continuing the goals of the first year with more emphasis on three-dimensional art forms. Art II students will be introduced to the potters wheel and will have an in-depth study of human form. Aesthetics, art history, social implications, and studio are stressed.

#660 Art III

Elective for 11-12
PRE-REQUISITE: Art II

1 Credit
Fee: \$10.00

Art III allows each student the opportunity to concentrate in the area where the student excels. Abstract art, acrylic painting and air brush will be introduced. At this level, students should have a basic knowledge in various areas of art and should be using good craftsmanship. Creativity, originality, and craftsmanship are stressed. Aesthetic, art history, social implications and studio are continued from Art II. Students are required to keep a sketch book.

#661 Ceramics

Elective for 11-12
PRE-REQUISITE: Art II

1 Credit
Fee: \$10.00

This class is for those interested in furthering their skills in creating art works out of clay. Students will be able to wheel throw or hand build works of art. Also introduced in this class will be methods of firing, glaze making, and reclaiming clay. Ceramic terminology casting, modeling, molding, assemblage, carving, coiling, and slab work will be studied in depth.

INDUSTRIAL TECHNOLOGY DEPARTMENT

#6411 Mechanical Drawing

Elective for Grades 9-12

½ Credit

Fee: \$10.00

Any student desiring to pursue the fields of architecture, engineering, construction, or any math-related career would benefit from this class. The class stresses blue print reading and development and improvement of math skills. Some areas covered are basic drawing procedures, and all forms of measurement, lettering, geometric construction, orthographic projection, and isometric drawings.

#643 Wood Technology I

#653 Wood Technology II

#663 Wood Technology III

#673 Wood Technology IV

Electives for Grades 9-12

Full year Courses

1 Credit each

Fee: \$15 each

This class is an introduction to basic woodworking tools, materials, and processes with an emphasis on applied mathematical skills. Many math and geometric principles are also reinforced in this class. Students will learn basic hand and machine tool operation and safety. Hands-on, three-dimensional problem-solving skills are used to produce a variety of wood projects. In Wood II-IV an emphasis is also placed on joinery and advanced projects. Wood technology is recommended for male and female students. This course may be taken more than once with higher level projects being done each year.

#642 Machine Technology I

#652 Machine Technology II

#662 Machine Technology III

#672 Machine Technology IV

Electives for Grades 9-12

Full year Courses

1 Credit each

Fee: \$10.00

This course is designed for the student to learn various types of machinery used in industry today. It introduces students to the techniques and skills required in machining, welding, forging, foundry, and heat treating of various metals with real world applications of mathematical concepts. Basic operation and safety involved in the use of the machines and basic hand tools will be stressed. This course should be a must to perspective engineers, architects, industrial designers, tool & die designers, mechanics, or anyone pursuing math related fields of study.

#6441 Sheet Metal

Elective for Grades 9-12

½ Credit

Fee: \$15

This semester course is designed to teach project planning development and basic hand-machine tool skills. Pattern development, making projects, fundamental metals, working hand-machine tool skills, and some welding are included. A tool box and at least one (1) additional project are required. Sheet metal technology is a class that places a lot of emphasis on geometric construction. Many fine projects are available in the fields of architecture, engineering, construction, heating & cooling, automotive, drafting, or designing.

HEALTH/PHYSICAL EDUCATION DEPARTMENT

The State of Ohio allows us to grant flex credit for P.E. Two semesters of P.E. are required for all high school students. Beginning with the Class of 2014, high school students who participate in interscholastic athletics, marching band, or cheerleading for at least two full seasons by the end of 11th grade, will not be required to complete the .50 P.E. credit. These credits cannot be combined so that 1 class and 1 sport equals .50, and they cannot be retroactive for sports already completed. At the end of the second season of ACTIVE participation students must provide written verification of fulfillment (from the coach or teacher or athletic director) of the participation requirement to the guidance office. Since ACTIVE participation is required, managers would not be considered for this, nor would a student who quit the activity or was injured before the end of the season.

#8401 and #8501 Physical Education
Required for Grades 9/10

Semester course

¼ Credit
Fee: None

Physical Education is a combination of team and individual sports with an emphasis on “carry-over activities. It consists of sports such as: badminton, basketball, volleyball, soccer, physical fitness, football, ping pong, whiffleball, dodge ball, kickball, etc. Grades are based on participation and periodic written and skills tests. Personal cleanliness and neatness are also stressed.

#8421 Health
Required for Grade 9

Semester course

½ Credit
Fee: None

The course content is designed to prepare our young people for the decisions they will face in the future and for recognition of the importance of those decisions. To meet this goal, the student will become acquainted with several media sources and a wealth of new information in order to find answers to their many questions. They are encouraged to express themselves both verbally and in writing on a high level of comprehension. Thus, the assignments are designed to help introduce fresh material, help student make decisions, recognize dangerous situations and know the consequences of their actions. Many community organizations offer programs to reinforce prevention of the problems that face our young people.

#8431 Ethics
Elective for Grades 11 and 12

Semester course

½ Credit
Fee: None

PRE-REQUISITE: Teacher Recommendation

This course content is designed to prepare students with knowledge on the different viewpoints of many of today’s health related social issues. To accomplish this task, students will be encouraged to display appropriate opinions and to convey messages in a forum of their peers. Students will be required to research various topics and present their findings in various forms, as well as being assessed in retention of material covered. A display of verbal communication skills, intuition, and compromise are imperative. Thus, assignments are based on high levels of insight and effort towards bringing cohesion to the subject matter introduced. In-class study guides and supplements will be provided. This course is an elective designed for college bound students and it addresses issues that can contain controversial topics. Some supplements to the curriculum may include permission forms for participation. The class is debate oriented and is based in health, science and history subject areas. Units of study may include discrimination, organ transplants, genetic engineering, abortion, adoption, capital punishment, etc.

MUSIC DEPARTMENT

#941 Symphonic Choir

Elective for 11-12

1 Credit

Fee: None

Symphonic Choir is a selective choir of males and females ranging in size from 50-70 students. A variety of music is sung, including sacred, secular, folk, and popular. The basic foundations of music are taught to the student. Students who wish to participate in this ensemble will be selected for the class based on one or more of the following criteria. If the student is interested in the course and has not sung in choir before, a vocal test may be necessary to determine which part they are best suited to sing. Students enrolled are expected to perform at all concerts and other singing engagements.

#942 Chorale

Elective for 9-12 females only

1 Credit

Fee: None

Chorale is a female chorus open to any female who wishes to participate. A variety of music is sung, including sacred, secular, folk, and popular. The basic foundations of music are taught to the student. Students enrolled are expected to perform at all concerts and singing engagements. All participants will take a vocal audition to evaluate the student's singing range in order to place them on the proper vocal part.

#943 – Concert Choir

Elective for Grades 9-10

1 Credit

Fee: none

This is a mixed choir for males and females to set the stage for those who may go on to either Chorale or Symphonic Choir. Students enrolled are expected to perform at all concerts and other singing engagements.

#940 Instrumental Music

Elective for Grades 9-12

1 Credit

Fee: None

Instrumental Music aims to teach the student the intellectual, emotional, and entertaining sides of music through active performance opportunities. The first nine weeks is dedicated to the Marching Band, the most visible ambassador of the band program. Marching Band is REQUIRED of all students in Instrumental Music, with the exception of those who are in a fall sport. They need to discuss their situations with the band director after registration. The Marching Band performs at several parades and 3-5 OMEA Marching Contests each fall. The Concert Band is the focus of the rest of the year. The Concert Band gives three concerts annually, and appears at OMEA District Large Group Contest. Students in band also have the opportunity to be involved in various other ensembles and activities including Solo and Ensemble Contest. The band is a group known for self-discipline, pride, and a passion for music.

#9601 History of Rock & Roll Music

Elective for Grades 11-12

½ Credit

Fee: None

Semester Course

This course is a study of the development of rock music from its origins in the Mississippi Delta to the music of today. Different groups, eras, cultures, and music will be analyzed. This course is only open to 11th and 12th grade students.

IEP DEPARTMENT

#056 English Intervention I

PRE-REQUISITE: IEP

1 Credit

Fee: None

This course uses the same materials as English 9 and is designed to teach the basics of grammar, including parts of speech and sentence patterns. The student will learn the elements of writing, stressing spelling, punctuation, and paragraph structure. The course will focus on life related writing skills and reading comprehension.

#066 English Intervention II

PRE-REQUISITE: IEP

1 Credit

Fee: None

This course uses the same materials as English 9 and is designed to teach the basics of literature and grammar, including parts of speech and sentence patterns. We will be focusing on the elements of writing, stressing spelling, punctuation, and paragraph structure. This course will also focus on practical job and life-related writing skills, as well as reading comprehension.

#076 English Intervention III

PRE-REQUISITE: IEP

1 Credit

Fee: None

This course uses the same materials as English 10R and is designed to teach the basics of literature and grammar, including parts of speech and sentence patterns. The student will learn the elements of writing, stressing spelling, punctuation, and paragraph structure. The student will begin analyzing literature in a more mature manner. Poetry, drama, the novel, and the short story will be discussed with much of the literature coming from both fiction and non-fiction selections. Students should be prepared for both written and oral reports/essays in this course.

#156 Global Studies Intervention

Required for Grade 9

PRE-REQUISITE: IEP

1 Credit

Fee: None

1750 to the present – Age of Revolutions through the 20th Century. Ninth grade students will continue the chronological study of World History. Students will study historic eras, influences of geographical settings, cultural perspectives, economic systems and various forms of government. Students will gain a deeper understanding of the role of citizens and continue to develop their research skills.

#166 American History Intervention

Required for Grade 10

PRE-REQUISITE: IEP

1 Credit

Fee: None

American History examines the story of modern America – its diverse people, its varied landscape, its sturdy democracy, and its great events. Students will make connections between the past and the present. Some topics covered include: industrialization, imperialism, progressivism, the Twenties, the Great Depression, WWI & II, the Cold War, Civil Rights, the Vietnam years, and Watergate. The class places emphasis on the content standards used for the sophomore Ohio Graduation Test.

#176 American Government Intervention

1 Credit
Fee: None

Required for Graduation
PRE-REQUISITE: IEP, Senior Standing

American Government Intervention is designed for all Special Needs seniors. It will help seniors gain an understanding of how our government system is organized and how it functions. A large portion of this course is devoted to the organization and functions of the executive, legislative, and judicial branches. Students will also study state and local government. A detailed notebook is required for each grading period.

#246 Science Intervention I

1 Credit

Required for graduation
PRE-REQUISITE: IEP

Fee: \$5.00

This class is designed around two of the most fundamental disciplines of science: physics and chemistry. These areas will be taught through minds-on activities that integrate everyday life. Students will see the connections between the sciences and how science is important in their lives. This course is designed to aid freshmen in preparing for the Ohio Graduation Test and future science courses.

#256 Science Intervention II

1 Credit

#266 Science Intervention III

Fee: \$5 each

PRE-REQUISITE: IEP

Both are required for graduation and alternate by year

These courses will focus on the central topics of life science including cells, genetics, energy transfer, DNA, ecology, evolution, and the kingdoms of life. Concepts, thinking skills, and writing skills will be emphasized. Projects will be assigned to allow for creativity and the utilization of technology. Preparation for the Ohio Graduation Test will be stressed.

#346 Math Intervention I

1 Credit

Required for graduation
PRE-REQUISITE: IEP

Fee: None

A pre-algebra class designed to contain a review of general math principles. It is also designed for students to learn the use of ratios, proportions, percents, graphing and interpreting data, rational numbers, equations, inequalities, basic geometry, perimeter, area, surface area, and volume.

#356 Math Intervention II

1 Credit

Required for graduation
PRE-REQUISITE: IEP

Fee: None

An Alg. I class, this will be a continuation of Math I, but involving more in depth study of algebraic concepts. This class will focus on the study of mathematical symbols, numbers, operations, and the relationships that exists between these items.

#366 Math Intervention III

Required for graduation
 PRE-REQUISITE: IEP

1 Credit
 Fee: None

This is a continuation of Math II, to fulfill the Alg. II requirement for students with an IEP. It will involve a more in depth study of the relationships between numbers and symbols. The ability to think, concentrate, and organize will be very important in this class.

#455 Freshman/Sophomore Work Study

PRE-REQUISITE: Ages 14-15
 IEP and Be Employable

1 Credit
 Fee: None

Work Study is a program designed for students with special needs that are interested in working two (2) periods or eight to ten hours a week. A job can be obtained outside of school or within the school with the permission of the work-study coordinator. It is required that the student maintains a job for the entire school year. The students should work with the coordinator and the custodial staff for approval to seek placement. Students are responsible for their own transportation if working outside of the school. Students will be at school the entire day unless arrangements have been made by the coordinator or the guidance counselors.

#465 Junior/Senior Work Study Related

PRE-REQUISITE: IEP

1 Credit
 Fee: None

Work Study Related is a course designed for students with special needs that are enrolled in the work-study program. Emphasis is placed on careers, ways of applying for jobs, filling out job applications, interview techniques, creating resumes, designing cover letters, job safety, and communication with the public.

#475 Junior/Senior Work Study

PRE-REQUISITE: IEP
 Ages 16-21
 Junior/Senior Standing
Must have a job

2 Credits
 Fee: None

Work Study is a program designed for students with special needs that are interested in working at least fifteen (15) hours or more per week. Students have to meet the credit requirements needed for a junior or senior. The student should obtain a job in the summer or be working by the time school starts. Students should work with the coordinator to obtain a position and work for the duration of the school year. This job has to be approved by the coordinator. Students are responsible for their own transportation. Grades are averaged from attendance, savings accounts, and employer evaluations. Student schedules will be changed to a full day of classes if a job cannot be obtained or if the student cannot maintain a working position.

#3361 Computer Intervention

PRE-REQUISITE: IEP

½ Credit
 Fee: None

Computer intervention is a class for special needs students who need to familiarize themselves with the basic concepts of computer keyboarding, power point, publisher, digital camera usage, and scanning materials.

Life Skills classes are designed to be part of a functional curriculum. All classes will be individually based, and goals and objectives will be varied based on student ability levels.

#326 Life Skills Math

1 Credit

PRE-REQUISITE: IEP

Fee: None

This course will introduce and reinforce independent living skills and is designed for students who have multiple challenges. It is designed to focus on addition, subtraction, measurement for functional use, money skills, shopping skills, and understanding time and its usage. Some students may also move on to banking, check writing, etc. based on ability levels.

#036 Life Skills English

1 Credit

PRE-REQUISITE: IEP

Fee: None

This course will introduce and reinforce independent living skills while continuing to work on comprehension improvement. We will focus on use of reference books, such as cookbooks, telephone books, and newspapers. We will also focus on using order forms, filling out applications and using personal information when necessary. Sight word reading and safety sign reading are also incorporated in the class. Basic letter writing and using technology for a purpose will also be included.

#236 Life Skills Science

1 Credit

PRE-REQUISITE: IEP

This course is designed for students who have multiple needs and will introduce and reinforce independent living skills. The focus will be on personal safety when dealing with emergency situations such as weather, fire, electrical, and various other science related issues. Emphasis is placed on the transfer of information to home safety and independent living.

#126 Life Skills Social Studies

1 Credit

PRE-REQUISITE: IEP

Fee: None

This course is designed for students who have multiple needs and will introduce and reinforce independent living skills. This course will focus on our community, area resources, our immediate environment and getting our way around our environment using maps. This course is designed to meet the graduation requirements included in the four (4) social studies credits beginning with the class of 2005, which includes Integrated Studies, World Geography or History, American History, and American Government.

#546 Daily Life Skills

1 Credit

PRE-REQUISITE: IEP Fee is based on student outings for lunches, shopping, etc.

This course is designed for students who have multiple needs. We will focus on independent living skills. We will practice many aspects of daily living including cooking, cleaning, and laundry. We will also participate in some volunteer activities to emphasize job skills and the importance of lending a helping hand when possible.

#8461 Life Skills Health

½ Credit

PRE-REQUISITE: IEP

Semester Course

Fee: None

This course is designed to help students with multiple needs learn about their bodies, healthy living and diet, as well as the importance of personal hygiene. We will emphasize making educated decisions about ourselves and health-related issues.

OHIO GRADUATION TEST PREP CLASSES

#3301 OGT Math Prep

1 quarter, ¼ credit

This course is intended to supplement the ninth and tenth grade curriculums to prepare students for the Ohio Graduation Test. The course will focus on review and retention of the ninth and tenth grade indicators within the math course of study. The course will also focus on improving test-taking skills, and writing extended responses for math.

#1401 OGT Social Studies Prep

1 quarter, ¼ credit

This course is intended to supplement the ninth and tenth grade curriculums to prepare students for the Ohio Graduation Test. The course will focus on review and retention of the ninth and tenth grade indicators within the social studies course of study. The course will also focus on improving test-taking skills, and writing extended responses for social studies.

#2401 OGT Science Prep

1 quarter, ¼ credit

This course is intended to supplement the ninth and tenth grade curriculums to prepare students for the Ohio Graduation Test. The course will focus on review and retention of ninth and tenth grade indicators within the science course of study. The course will also focus on improving test taking skills and writing extended responses for science.

#0401 OGT Reading Prep

1 quarter, ¼ credit

This course is intended to supplement the ninth and tenth grade curriculums to prepare students for the Ohio Graduation Test. The course will focus on review and retention of ninth and tenth grade indicators within the English course of study. The course will also focus on improving test taking skills and writing extended responses for reading.

TECH PREP INFORMATION TECHNOLOGY ON INTERACTIVE MEDIA

PRE-REQUISITES: Pass all parts of the Ohio Graduation Tests (preferred)
Earn at least a C in Algebra I, with a 2.5 cum. GPA for all subjects
Have a positive attendance record
Earn the credits to be in line for graduation
Application and interview – approved by teachers

FEE: \$25

2 year program

SUGGESTED HIGH SCHOOL COURSEWORK

9 TH	10 TH	11 TH	12 TH
Eng. 9R/9E	Eng. 10R/10E	Eng. 11R/11E	Eng. 12R/12E
Alg. I or Geom.	Geom./Alg. II	Alg. II/Trig.	Trig./Trans.Math/Calc
Physical Science	Bio I	Chem/Env. Sci.	Chem/Phys./A&P
Global Studies I	American History	Psych or Elective	Government
Health/PE	PE/Computer	Tech Prep Elect.(3)	Tech Prep Elect. (3)

LEADS TO HIGHER EDUCATIONAL OFFERINGS (WITH SCHOLARSHIP!!!)

KSU – Tuscarawas Campus

Associate of Applied Science in Computer Design and Animation Engineering Tech

Associate of Applied business in Computer Tech

SAMPLE EMPLOYMENT OPPORTUNITIES:

Graphic Designer

Web Designer

Audio/Visual Specialist

Animator

BACHELOR DEGREE OPTIONS

Computer Information Systems

Visual Communication Designer

Computer Science

COURSES INCLUDED IN TECH PREP I AND II

Information Technology Basics

Operating Systems

Web Site Development & Design

Web Graphics and Animation

Multimedia and Game Design (dual enrollment offer)

Software Systems Management

Programming Theory

Graphic Design Fundamentals

Photography

Visual Media Design

Video Production

Audio Production

Business Processes for IT Professionals

Interactive Media Production

CLAYMONT HIGH SCHOOL IS FORTUNATE TO HAVE THE TECHNOLOGY EQUIPMENT THAT WE HAVE, AND TO BE ABLE TO OFFER A TECH PREP PROGRAM WHICH LEADS TO COLLEGE SCHOLARSHIPS AND A GREAT CAREER. THIS IS A FANTASTIC OPPORTUNITY FOR OUR STUDENTS TO PURSUE.

DUAL ENROLLMENT

A wonderful option for students is dual enrollment between KSU-Tusc and CHS for several Technology Classes. Students taking these courses would get the college credit listed as well as ½ credit per semester for high school credit. A CHS teacher will monitor the progress in these courses and students will take them interactively from our building with KSU-Tusc. For juniors/seniors or by special permission.

#6911 Electric Circuits I (KSU course # EERT 12000 for 4 semester credits – fall only)

Direct current circuit analysis involving current and voltage, resistance, energy and power, Ohm's law, series and parallel networks. Mesh and nodal analysis, network theorems, DC instruments.

#6912 Electric Circuits II (KSU course #EERT 12001 for 3 semester credits – spring only)

PRE-REQUISITE: EERT12000

In this course the student will study the fundamentals of alternating current and voltage, capacitive, inductance and magnetic circuits as well as transients in R-L-C combinations. AC network analysis include mesh and nodal, phasor algebra, power factor, and resonance.

#6913 Technical Computing (KSU course #EERT 22003 for 3 semester credits – fall only)

An introduction to digital computer systems, flow-chart techniques, programming using a scientific high-level language with applications. Number system conversions, binary codes, error detection and correction. Boolean algebra.

#6914 Applications in CAD (KSU course #IERT 12005 for 2 semester credits – spring only)

A course for training on the use of a popular, computer-aided drafting and design software. Practice with the advanced features of the software applicable to modern design in the graphics, mechanical, industrial and electronics fields. 1st period

#6915 Multimedia and Game Design (KSU course CADT 22005 for 2 semester credits – fall only)

A course covering the creation of interactive multimedia presentations. Development of flowcharts, roughs and interactive navigation systems. Integration of images, animation, video, sound and custom code for the creation of interactive multimedia presentation.

#6916 Digital Systems (KSU course #EERT 22004 for 3 semester credits – fall only)

Modern integrated digital logic families. Analysis and design of digital circuits such as gates, multivibrators, comparators, counters including interface, control memory and computer circuits. Programmable logic controllers.

#6917 Introduction to Electronics (KSU course EERT 12010 for 4 sem. Credits – spring only)

Semiconductor theory. Properties and applications of PN junctions and bipolar junction transistors, amplifiers, field effect transistors (FET) amplifiers, JFET and MOSFET biasing and their use in simple circuits.

#6918 PC/Network Engineering and Troubleshooting (KSU course EERT 22018 for 3 semester credits – spring only)

A course covering the service, maintenance, upgrade and optimization of personal computers. Specification, installation and maintenance of local area networks will be covered. Students will learn communication protocols and network architecture. Two lectures and two labs that will probably be schedule 7th or 8th period.

Project Lead the Way (PLTW) for Future Engineers and highly motivated students who desire to become engineers through a very rigorous sequence of the following courses.

#693 Introduction to Engineering Design (IED)

PRE-REQUISITE: Permission of instructor

1 credit

Designed for 9th or 10th grade students, the major focus of the IED course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards and technical documentation. Students use 3D solid modeling design software to help them design solutions to solve proposed problems and learn how to document their work and communicate solutions to peers and members of the professional community.

#694 Principles of Engineering (POE)

PRE-REQUISITE: Permission of instructor

1 credit

This survey course of engineering exposes students to major concepts they'll encounter in a postsecondary engineering course of study. Students employ engineering and scientific concepts in the solution of engineering design problems. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges, documenting their work and communicating solutions to peers and members of the professional community.

#695 Digital Electronics (DE)

PRE-REQUISITE: Permission of instructor

1 credit

Digital electronics is the foundation of all modern electronic devices, such as cellular phones, MP3 players, laptop computers, digital cameras and high-definition televisions. The major focus of the DE course is to expose students to the process of combinational and sequential logic design, teamwork, communication methods, engineering standards and technical documentation. This course is designed for 10th or 11th grade students.