

COAL CITY HIGH SCHOOL

CURRICULUM GUIDE

**COURSE DESCRIPTIONS
FOR THE 2017-2018 SCHOOL
YEAR**

This book contains information about the career paths offered at Coal City High School. Each career path description identifies representative employment opportunities for which the student will be prepared after completion of high school and postsecondary education. In addition, a recommended sequence of courses is provided for each path. Detailed descriptions of courses are included in this book. Students can select the career path that will prepare them to attain their goals by following the prescribed sequence of courses. In completing a career path, the student will develop skills and knowledge necessary to apply for entry-level employment or be prepared to pursue additional postsecondary education at a college or university, community college, trade school, or apprenticeship program. Beginning in January, counselors and teachers will assist students in the selection of courses for the following year. Parents are encouraged to contact their child's counselor to assist in this process. Following completion of registration, parents will be mailed a copy of the courses selected by the student. **Please note that courses will only run if enrollment is sufficient. If any course is cancelled, an alternate course will be scheduled.** Students and parents are encouraged to contact a school counselor if they have any questions regarding course selection or the registration process.

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GRADUATION REQUIREMENTS

English	4 credits (which include 2 credits of intensive writing courses)
Mathematics	3 credits (3 different Math courses must be passed which include Algebra and Geometry. Math must be taken both fall and spring semesters during each of the Freshman, Sophomore, & Junior year.)
Science	3 credits (one of those credits must be Biology)
Social Science	2 credits (which include U.S. History and Civics. Each student must pass an examination on the Federal and State constitutions, Declaration of Independence, and the proper use and display of the American flag.)
Fine & Applied Arts	2 credits (Courses taken in Art, Music, Foreign Language or Career/Technical Education satisfy this requirement.)
Physical Education	1/2 credit of Health (Unless a State of medical exemption is granted, Physical Education must be taken every year.) 3 semesters of Physical Education must be passed
Miscellaneous	Consumer Education
<i>28 total credits are required for a Coal City High School diploma!</i>	

ACADEMIC INFORMATION

Grade Level Advancement

Students are classified by grade level according to the following procedures:

To have **Sophomore** status--

a student must have successfully earned 6 credits, including 2 semesters of English, 2 semesters of Math, and 2 semesters of Science.

To have **Junior** status--

a student must have successfully earned 13 credits, including 4 semesters of English, 4 semesters of Math, and 4 semesters of Science.

To have **Senior** status--

a student must have successfully earned 20 credits, including 6 semesters of English, 6 semesters of Math, and 6 semesters of Science.

Student credits will be evaluated at the beginning of each semester for the purpose of advancing to the next grade level.

Transfer Students

When a student transfers to Coal City High School, a request will be made for an official transcript of all previously earned units of credit. The school counselor shall evaluate the units of credit with respect to Coal City graduation requirements. The principal or designee shall approve any exceptions to Coal City High School requirements.

Advanced Placement Program

Coal City High School participates in the Advanced Placement Program sponsored by the College Entrance Examination Board. The purpose of the program is to allow qualified students to take college-level courses while still in high school. CCHS offers four AP courses: AP Calculus, AP English: Literature and Composition, AP Music Theory, and AP Spanish (hosted at CCHS); additionally AP Biology (hosted at Wilmington High School). Students enrolling in an AP course will be expected to take the Advanced Placement Examination in May. The current fee for the exam is \$88.00. Instructors will assist students in signing up for the exam.

ACADEMIC INFORMATION

Registration & Scheduling Guidelines

Registration Guidelines

ALL students must be enrolled as a full-time student (8 total credits per year).

Students must be enrolled in two (2) semesters of Math during the Freshman, Sophomore, and Junior year.

Students will not be allowed to take more than one Physical Education course each semester.

Only Seniors will be allowed to serve as teacher/office assistants or tutors. Seniors can only be assigned one teacher/office assistant or tutoring period in the same semester.

Schedule Changes

Course registration is an important decision that a student makes each year. Registration determines the classes the school will offer, development of student scheduling, and how the school will utilize staff. Students are to carefully select courses during the enrollment period in the spring and are encouraged to confer with their parents, counselor and teachers before making their final selections.

Schedule changes will ONLY be made for these reasons:

- A specific course is needed for graduation or college admission.
- Student does not meet the prerequisite for a class.
- Student has failed a course must retake the class.
- There is a schedule conflict.
- School personnel initiate the change.
- Schedule has a clerical error such as incorrect level or incorrect course sequence.

These types of changes will be made during the first 4 days of each semester unless approved by the Administration under the above guidelines.

Schedule changes will NOT be made for these reasons:

- Student has changed his/her mind regarding the elective class(es) chosen.
- Student would like to switch lunch periods.
- Student would like to change the teacher(s) he/she has been assigned.
- Student is concerned that taking the class will negatively impact his/her GPA.
- Student would like to drop because credit is no longer needed.

Exceptions to the above guidelines will be by Administrative approval only.

ACADEMIC INFORMATION

College Entrance Requirements

Students who plan to attend a college or university after graduation should understand that academic coursework is a very important factor in college admissions. In addition to class rank, cumulative grade point average, and college entrance exam scores (ACT or SAT), high school coursework will be a determining factor in whether or not a student is accepted for admission.

It is recommended that students planning to attend state colleges or universities follow these guidelines:

- 4 credits of English (emphasizing written and oral communications and literature)
- 3 credits of Mathematics (introductory through advanced algebra, geometry and Algebra 2)
- 3 credits of Science (laboratory sciences)
- 3 credits of Social Science (emphasizing history, government and economics)
- 2 credits of electives in Foreign Language, Music, Career & Technical Education or Art

GRADING SCALE

Letter Grade	100 pt. Scale	CCHS 4 pt. Scale	Weighted Classes
A+	100-98	4.3	5.3
A	97-94	4	5
A-	93-90	3.7	4.7
B+	89-88	3.3	4.3
B	87-84	3.0	4.0
B-	83-80	2.7	3.7
C+	79-78	2.3	3.3
C	77-74	2.0	3.0
C-	73-70	1.7	2.7
D+	69-68	1.3	2.3
D	67-64	1.0	2.0
D-	63-60	0.7	1.7
F	59and Below	0	0

STUDENT FOUR-YEAR PLAN

COLLEGE PREPARATORY PROGRAM

All students planning to attend a college or university should plan to pursue a rigorous high school academic program. A four-year program can be modified to meet specific entrance requirements when students know which institutions they plan to attend. The program outlined below is designed to prepare students for post-high school education.

Grade 9

1. English 1
2. Algebra 1/Algebra 2
3. Physical Science/Intro to Physics.
4. Health and Physical Education
5. Civics
6. Spanish
7. Two Additional Electives

Grade 10

1. English 2
2. Algebra 2/Geometry
3. Biology
4. AP/World History
5. Physical Education
6. Spanish
7. Two Additional Electives

Grade 11

1. English 3
2. Geometry/Algebra 3
3. Chemistry
4. AP/US History
5. Physical Education
6. Consumer Education
7. Spanish
8. One Additional Elective

Grade 12

1. College Writing & Additional ½ Credit
2. Mathematics
3. Science
4. Social Studies Electives
5. Physical Education
6. Spanish
7. Two Additional Elective

STUDENT FOUR-YEAR PLAN

TECHNOLOGICAL PREPARATORY PROGRAM

The Tech-Prep Program consists of both vocational and liberal arts courses that provide students with a solid foundation in mathematics, communications, and technology in an applied setting. The goal is to provide students with an articulated program commencing in the student's junior year in high school and completing with an associate degree at the community college level or a marketable skill for employment following school.

Grade 9

1. English 1
2. Algebra 1
3. Physical Science
4. Civics
5. Health and Physical Education
6. Three Additional Electives

Grade 10

1. English 2
2. Algebra 2
3. Biology
4. World History
5. Physical Education
6. Three Additional Electives

Grade 11

1. English 3
2. Geometry
3. US History
4. Science
5. GAVC or Four Additional Electives

Grade 12

1. Practical English
2. Consumer Education
3. Physical Education
4. Elective
5. GAVC or 4 Additional Electives

ELECTIVES THAT WILL BE HELP BY CAREER INTEREST

Industrial & Engineering Technology

Hon. Chemistry	Concepts of Web Design	Residential DIY	Engineering Tech.
Arch.I Drafting/CAD	Accounting I	Accounting II	Woods
Woods 2	Small Engines & Auto	Online Tools	MS Office
Welding I & II	Building Trades I & II	Auto Tech I & II	Heavy Equipment
Pre-Calculus	Statistics	Algebra III	AP Calculus

Business & Administrative Services

Algebra III	Pre-Calculus	AP Calculus	Statistics
Economics	OnLine Tools	MS Office	Intro. to Business
Accounting I	Accounting II	Business Mngmnt.	Business Law
Multimedia 1	Multimedia 2	Sports & Entertainment Marketing	
Computer Graphics & Multimedia Design 1 & 2			
Computer Maintenance Technician 1 & 2			

Arts & Communication

Spanish I	Spanish II	Spanish III	Spanish IV
AP Spanish	RUSH	Sociology	Gen. Psychology
Con. Web Design	Adv. Web Design	Multimedia 1	Multimedia 2
Entrepreneurial Publish.	Desktop Publish	Theater Technician 1/2	
Concert/Marching Band	Percussion	Varsity Chorus	Frosh. Show Choir
Music Theory 1 & 2	Music Appreciation	Beginning Guitar	Intermediate Guitar
Music Technology	Art I	Sculpture	Ceramics
Drawing	Painting	Studio 1/2	

Human & Family Services

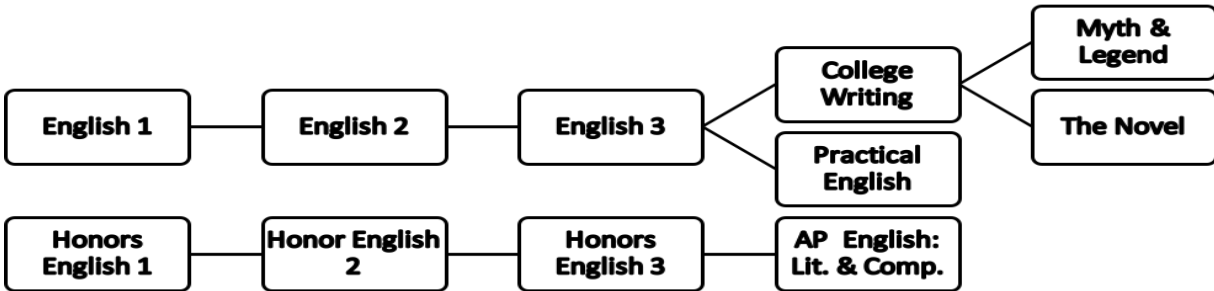
Hon. Chemistry	General Psychology	Sociology	Comp. Tech: MS Office
Multimedia 1	Multimedia 2	Child Development I/II	Intro Culinary Arts
Culinary Arts 2	Cosmetology	Health Science I	Health Occ. II
Fire Science I/II	Early Childhood I/II	Criminal Justice I/II	

Health Services

Human Anatomy & Physiology		Hon. Chemistry	Gen. Psychology
AP Biology	Sociology	Child Development I/II	Fit for Life
Weightlifting	Health Science I	Health Occupations II	Pre-Calculus
Statistics	Algebra III	AP Calculus	

COURSE DESCRIPTIONS AND SEQUENCE

ENGLISH DEPARTMENT



ENGLISH 1 (Writing Intensive)

Grade 9

2 Sem. 1 Credit

Prerequisite: None

This course will help student develop the ability to analyze complex fiction, nonfiction, and informational texts. Through close-reading, annotation, and discussion, students will determine evidence, reason critically, and communicate thoughtfully. Theme and task oriented units will allow students to compare various texts and media while completing a performance task to synthesize the information learned in each themed unit. In addition, we will focus on 21st Century Skills such as collaboration, communication, critical thinking, and creativity.

HONORS ENGLISH 1 (Writing Intensive)

Grade 9

2 Sem. 1 Credit

Prerequisite: 8th Placement Criteria

This is a reading and writing intensive course geared toward students who are willing to take on a great challenge in the aforementioned areas. This English class will challenge the students' critical thinking by incorporating annotation, close-reading, and discussion on complex fiction, nonfiction, and informational texts. These texts will come in the form of short stories, speeches, essays, and novels. Students will determine evidence, reason critically, and communicate thoughtfully. Theme and task-oriented units will allow students to compare various texts and media while completing a performance task to synthesize the information learned in each themed unit. In addition, we will focus on 21st Century skills such as collaboration, communication, critical thinking, and creativity. This is a WEIGHTED grade course.

ENGLISH 2 (Writing Intensive)

Grade 10

2 Sem. 1 Credit

Prerequisite: English 1

This course will be a reading intensive course that will include a mixture of Shakespeare, Ancient Greek Literature, and novels. Writing will also be emphasized and used to supplement the literature studied. Research skills, analysis of novels, and grammar will all be focused on to improve writing.

HONORS ENGLISH 2 (Writing Intensive)**Grade 10****2 Sem. 1 Credit****Prerequisite: "B" avg. in English 1 &
Teacher Recommendation**

This course is geared toward students who are willing to take on a greater amount of responsibility and challenge. This course includes units on library research, the short story, drama, the novel, poetry, and essay writing. This is a WEIGHTED grade course.

ENGLISH 3 (Writing Intensive)**Grade 11****2 Sem. 1 Credit****Prerequisite: English 2**

This writing intensive course follows the development of the American Literature from the oral tradition of the Native Americans in North America to modern and contemporary writers, themes, and techniques with emphasis on the impact the differing eras and political, social, and artistic movements had on the literature created in that time period. The course will include the study of poetry, short story, novel, drama, speech, and nonfictions as well as grammar, usage, punctuation, writing mechanics, vocabulary, speech, and research.

HONORS ENGLISH 3 (Writing Intensive)**Grade 11****2 Sem. 1 Credit****Prerequisite: "B" avg. in English 2 &
Teacher Recommendation**

This writing intensive course is for students who desire a more challenging, in-depth type of English coursework. The course follows the development of American Literature from the oral tradition of Native Americans in North America to modern and contemporary writers, themes, and techniques with emphasis on the impact the differing eras and political, social, and artistic movements had on the literature created in that time period. This course will include the study of poetry, short story, novel, drama, speech, and nonfiction as well as grammar, usage, punctuation, writing mechanics, vocabulary, speech, and research. This is a WEIGHTED grade course.

COLLEGE EXPLORATORY WRITING & LITERATURE**Grade 12****1 Sem. ½ Credit****Prerequisite: English 3**

Students will explore and cultivate skills in reading, writing, and critical thinking. Writing assignments will include various forms of discourse to promote and enhance college readiness. In addition, students will also be exposed to a survey of British literature. This course is highly recommended for all college-bound seniors.

MYTHS AND LEGENDS FROM AROUND THE WORLD**Grade 11-12****1 Sem. ½ Credit****Prerequisite: Juniors who are enrolled
in Hon. English 3 or Senior**

In this course you will explore various cultures from around the world by reading their different myths and legends. We will journey through Egypt and their culture 3,000 years ago by reading Egyptian Mythology. Then we will travel to Greece where we learn about the very start of theatre. We will discuss the gods in Greek mythology and then turn our attention to Jason and the Argonauts and the fascinating play, Medea, where a powerful witch get revenge on her husband. Next we explore a multitude of cultures through their different creations and myths. Other short stories and poems will expose you to cultures from long ago and from other parts of the world. Throughout the semester you will also read 2 independent multicultural novels of your choice that will require a book talk, book review, and book journals.

THE NOVEL

Grade 12

1 Sem. ½ Credit

Prerequisite: College Exploratory Writing

This is a critical reading and writing intensive senior-level course designed for students to broaden their literacy background for college. Students will gain a greater appreciation of the philosophic and stylistic diversity of a number of authors and will also strengthen their critical writing, reading, and analytic skills. Student will be required to read *Dracula* by Bram Stoker. With guidance from the instructor, all students will be required to read four novels within a genre book bundle that contains classical and contemporary authors.

PRACTICAL ENGLISH

Grade 12

2 Sem. 1 Credit

Prerequisite: None

This course is intended for non-college bound seniors who intend to enter the workforce or vocational areas upon high school graduation. The curriculum stresses the use of written, verbal, and nonverbal communication skills with an emphasis on employing relevant themes in the study of short story, nonfiction, poetry, drama, and novels as well as a continuation of the study of grammar, usage, punctuation, writing mechanics, and vocabulary development. *This course will not be accepted for preparatory coursework when applying for 4-year university admission or for the NCAA Clearinghouse.*

INTRODUCTION TO PUBLIC SPEAKING

Grade 10-12

1 Sem. ½ Credit

Prerequisite: None

The course will provide students an introduction to public speaking, associate technology, basic skills, and techniques for making oral presentations and speeches. Emphasis will be placed on personal communication including verbal, nonverbal, group dynamics and listening. Students will develop the skills of articulation, argument, poise and presence through repeated experience in practice and performance. This is an activity-based course, focusing on the development of speech construction and performance skills through frequent opportunities to speak in a public forum and on a wide variety of personal and public issues.

AP ENGLISH: LITERATURE AND COMPOSITION

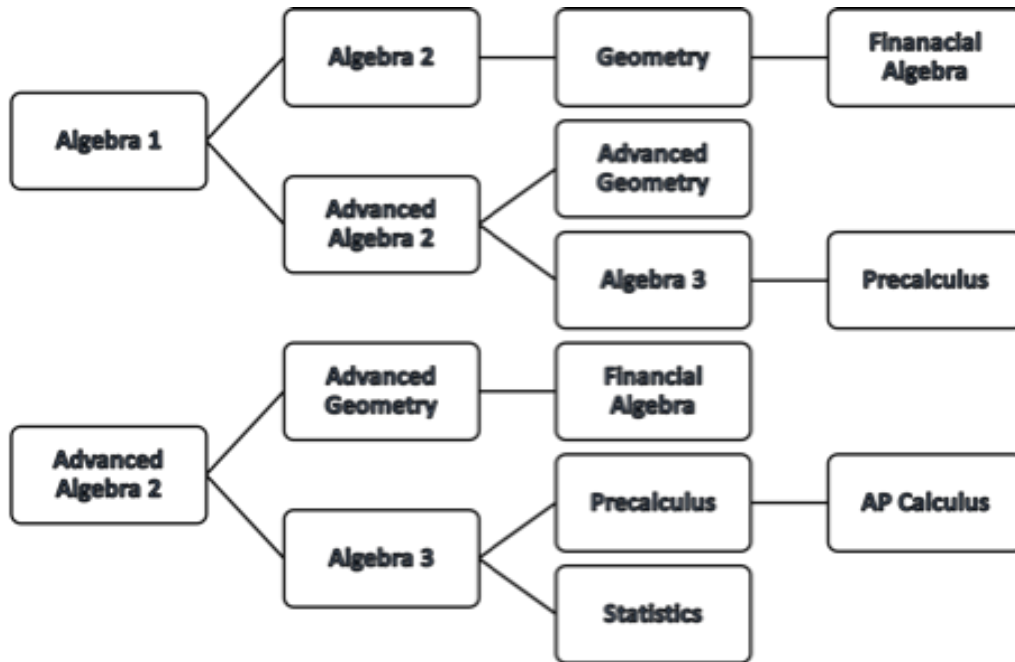
Grade 12

2 Sem. 1 Credit

Prerequisite: Must have an "A-" average in Hon. English 3

This course is intended for qualified students who wish to apply themselves to college level studies and to provide the means for colleges to grant credit or placement to students who successfully complete the College Board AP Exam. Throughout the year reading will be done in English and world literature. Analytical, interpretive, and persuasive writing assignments will be extensively used. *This is a WEIGHTED grade course.* **Students will be required to do assigned readings in the summer preceding the fall semester. Students are expected to take the AP Exam.**

MATH DEPARTMENT



ALGEBRA 1

Grade 9-12

2 Sem. 2 Credits

Prerequisite: None

This course covers fundamental operations with real numbers, algebraic expressions, linear equations, signed numbers, integer exponents, radicals, as well as some introductory geometry topics. Students will learn to solve linear, rational, and quadratic equations. They will also learn to solve linear inequalities and systems of linear equations. Upon completion of this course, student will have the skills to complete an Algebra 2 course. *The course is double-blocked. A TI-84 graphing calculator is required for this course.*

ALGEBRA 2

Grade 9-12

2 Sem. 1 Credit

Prerequisite: Passing Algebra 1

This course will give students a more in depth understanding of the topics covered in Algebra 1. Additional topics covered are matrices, complex numbers, right triangle trigonometry, and probability. *A TI-84 graphing calculator is required for this course.*

ALGEBRA 2 SUPPORT

Grade 9-12

2 Sem. 1 Credit

Prerequisite: None

This class is meant to support students in Algebra 2. While NOT an additional study period or time for homework completion, it is intended as an additional class period to reinforce and re-teach concepts taught in the student's Algebra 2 class.

ADVANCED ALGEBRA 2**Grade 9-12****2 Sem. 1 Credit****Prerequisite: Algebra 1 & Teacher
Recommendation**

It will give students a more indepth understanding of the topics covered in Algebra 1. Additional topics covered are matrices, complex numbers, right triangle trigonometry, probability, and application of all topics. Upon successful completion of this the students will be prepared for the higher-level mathematics courses. *A TI-84 graphing calculator is required for this course.*

GEOMETRY**Grade 10-12****2 Sem. 1 Credit****Prerequisite: Algebra 2 & Teacher
Recommendation**

This course covers geometry topics such as angles, planes, parallel and perpendicular lines, polygons, congruent triangles, similar triangles, trigonometric ratios, areas, and volumes. Students will learn to do formal proof. The course is designed to give students additional support to find success in learning the above topics.

ADVANCED GEOMETRY**Grade 10-12****2 Sem. 1 Credit****Prerequisite: Adv. Algebra 2 or Algebra 2**

This course covers geometry topics such as angles, planes, parallel and perpendicular lines, polygons, congruent triangles, similar triangles, trigonometric ratios, areas, and volumes. Students will learn to do formal proof.

ALGEBRA 3**Grade 10-12****2 Sem. 1 Credit****Prerequisite: Grade of a "C" or better in
Adv. Algebra 2**

This course will give students a more in depth understanding of the topics covered in Algebra 2. Additional topics covered are exponential and logarithmic functions, circles and parabolas, probability, rational exponents, radical equations, and solving trigonometric equations. *A TI-84 graphing calculator is required for this course. This is a WEIGHTED grade course.*

FINANCIAL ALGEBRA**Grade 11-12****2 Sem. 1 Credit****Prerequisite: Algebra 2 & Geometry**

This course is an applied mathematics course designed to give students the tools to become financially responsible young adults. The application-based course employs Algebra, probability, statistics, and geometry to solve financial problems that occur in everyday life. Relevant real-world problems in investing, credit, banking, auto insurance, mortgages, employment, income taxes, budgeting, and planning for retirement are explored and analyzed using mathematics. *A TI-84 graphing calculator is required for this course.*

STATISTICS & PROBABILITY**Grade 11-12****2 Sem. 1 Credit****Prerequisite: Algebra 3 & Teacher
Recommendation**

This course is an elementary statistics course including topics such as frequency distributions, measures of central tendencies and dispersions, probability, the normal distribution, hypothesis testing, correlations, and regressions. *A TI-84 graphing calculator is required for this course. This is a WEIGHTED grade course.*

PRECALCULUS

Grade 11-12

2 Sem. 1 Credit

Prerequisite: Algebra 3

This course will give students a more in depth understanding of the topics covered in Algebra 3. Additional topics covered are the Remainder and Factor Theorems, the Fundamental Theorem of Algebra, sequences and series, ellipses, hyperbolas, Law of Sines, Law of Cosines, and trigonometric identities, rectangular and polar coordinates, and 3-dimensional graphing. *A TI-84 graphing calculator is required for this course. This is a WEIGHTED grade course.*

AP CALCULUS

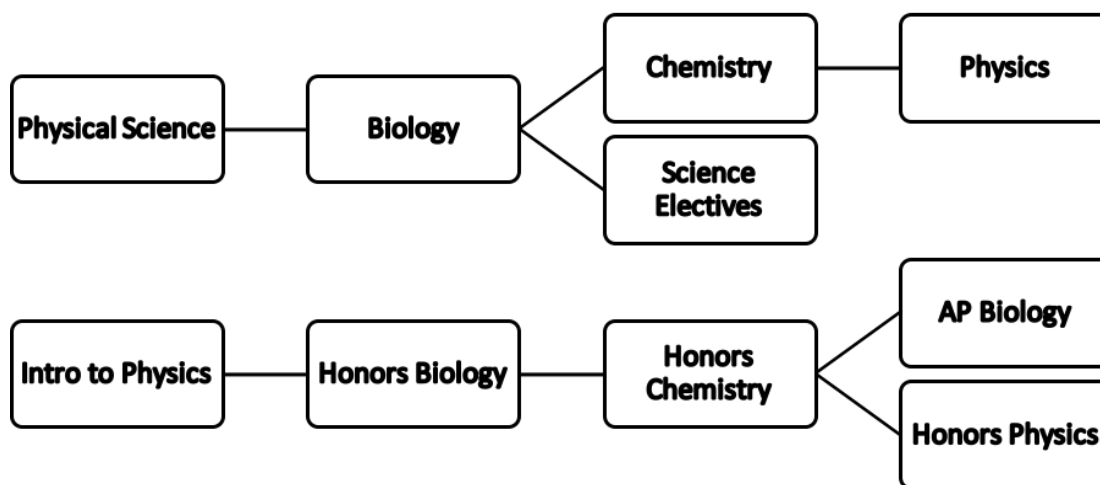
Grade 12

2 Sem. 1 Credit

Prerequisite: PreCalculus

This course is structured to prepare students for the Advanced Placement Calculus AB Exam. Topics covered include algebraic and transcendental functions, the derivative and its applications, chain rule, integration, the Fundamental Theorem of Calculus, the Mean Value Theorem, applications of the definite integral, and differential equations. *This is a WEIGHTED grade course. A TI-84 Plus graphing calculator is required. Students will be required to do assigned readings in the summer preceding the fall semester. Students are expected to take the AP Exam.* This is a dual credit articulated course with Joliet Junior College. Students have the option of earning 4 credit hours in MATH 170 at JJC.

SCIENCE DEPARTMENT



PHYSICAL SCIENCE

Grade 9

2 Sem. 1 Credit

Prerequisite: None

Exploration of physical science with an emphasis on physics concepts. Student will also be introduced to concepts in chemistry and earth science. This course includes lecture, laboratory, and hands-on activities.

INTRO TO PHYSICS

Grade 9

2 Sem. 1 Credit

Prerequisite: Eligibility determined by 8th grade placement criteria

This course will explore concepts of physics including motion laws, energy conversion, atmospheric sciences, nuclear chemistry, momentum conservation, fluid dynamics, light, sound and heat. Understanding of concepts will be stressed through problem-solving, lab exercises, computer simulation, and special projects. This is a WEIGHTED grade course.

BIOLOGY

Grade 10

2 Sem. 1 Credit

Prerequisite: Physical Science or Intro to Physics

Exploration in the areas of the cell, cell reproduction, inheritance, ecosystems, monerans, protists, fungi, plants and human life will be covered in this course. Dissection and microscope usage will supplement textbook and classroom study.

HONORS BIOLOGY

Grade 10

2 Sem. 1 Credit

Prerequisite: "A" in Physical Science or "B" in Intro to Physics & Teacher recommendation

In-depth study of cells, genetics, invertebrates, vertebrates, human anatomy and physiology and botany. Dissection and microscope usage will supplement textbook and classroom study. This is a WEIGHTED grade course.

ENVIRONMENTAL SCIENCE

Grade 10-12

1 Sem. ½ Credit

Prerequisite: None

This course will provide students with a knowledge base about their biological and physical environment. Students will investigate the role of humans in their environment. Making informed choices concerning environmental issues will be a pivotal topic, and will be subject to change as we face new environmental challenges in the future.

SCIENCE OF THE MODERN WORLD

Grade 10-12

1 Sem. ½ Credit

Prerequisite: Biology

This course is based in research, reading, writing, and communicating about the current events of the world as they relate to science. Topics included are GMOs, organic foods, climate change, global energy crisis, superbugs, technology, etc. The goal is to prepare students to be informed citizens and consumers using science and independent thinking.

FORENSIC SCIENCE

Grade 11-12

1 Sem. ½ Credit

Prerequisite: Honors Biology or Biology

A lab and project based course using crime scene evidence and investigative skills to solve crime. Topics will include but are not limited to: fingerprinting, blood typing, DNA analysis, population genetics, material science engineering, and crime scene diagramming.

CHEMISTRY

Grade 10-12

2 Sem. 1 Credit

Prerequisite: Grade of "C" or higher in Biology or "B" or higher in Conceptual Biology; & Algebra 2

This course will include topics from basic chemistry including composition and interactions of matter, chemical reaction, compounds and chemical equations. Concepts will be taught through lecture, problem-solving, and laboratory experiences.

HONORS CHEMISTRY

Grade 10-12

2 Sem. 1 Credits

Prerequisite: Grade of a "B" in Honors Biology

An in-depth study of chemistry including structure, properties, & interactions of matter. This honors course is designed to prepare students for college chemistry. Class work will include lab work and reporting, critical thinking and problem-solving, as well as observation, calculation, and interpretation of phenomena. This is a WEIGHTED grade course.

PHYSICS

Grade 12

2 Sem. 1 Credit

Prerequisite: Chemistry & Algebra 2

This course will explore concepts from basic physics, including mechanics, properties of matter, and heat. Although some mathematics is required, understanding of concepts will be stressed through problem-solving, laboratory exercises and computer simulations.

HONORS PHYSICS

Grade 12

2 Sem. 1 Credit

Prerequisite: Chemistry, Algebra 3 & Teacher recommendation

An exploration of topics in Newtonian physics including: kinematics, statics and dynamics, work and energy, wave mechanics, acoustics, optics, and electricity and magnetism. Students will use the internet to gain materials and information as well as experiencing lecture and hands-on activities. This is a WEIGHTED grade course.

SCIENCE, TECHNOLOGY, ENGINEERING, & MATHEMATICS (STEM)

Grade 12

1 Sem. ½ Credit

Prerequisite: Concurrent enrollment in Physics or Honors Physics

A project based course rooted in application and creation of materials based upon scientific knowledge and real world constraints. This course will explore a multitude of engineering types through research and projects.

HUMAN ANATOMY AND PHYSIOLOGY

Grade 11-12

1 Sem. 1/2 Credit

Prerequisite: Grade of a "C" or higher in Regular or Hon. Biology, or a "B" or higher in Con. Biology

An advanced science in which students will study the systems of the human body, the anatomy of each system, and the relationships that exist between all of the organs in each organ system & their function to maintain homeostasis within the body. Students should enroll in this course either before or at the same time as AP Biology.

AP BIOLOGY

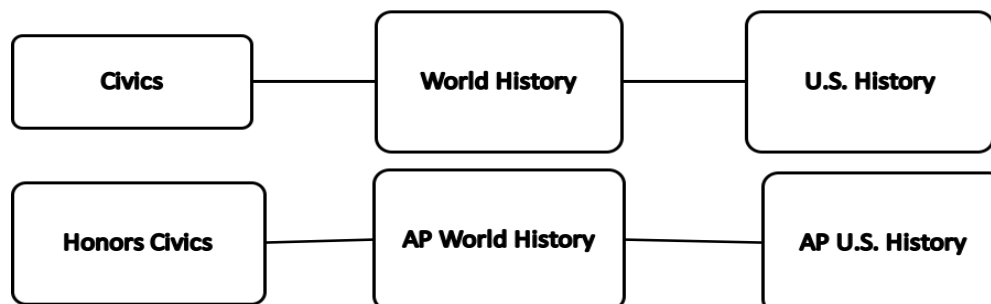
Grade 12

2 Sem. 1 Credit

Prerequisite: "B" avg. in Honors Chemistry, AND "B" avg. in Hon. Biology or "A" avg. in Biology

This class is intended for students willing to commit a significant amount of time to a rigorous course in Biology designed to prepare them to take the advanced placement exam given in May. The course is a combination of lecture, lab, and homework with emphasis on investigation, inquiry and experimental design. Topics include: ecology/basic biochemistry, cells, energy transformation, genetics and DNA technology, evolution, plant sciences, and human biology. **Students will be required to do assigned readings during the summer preceding the fall semester.** Students are expected take the AP Exam in the spring and a fee is required. This is a WEIGHTED grade course. *This course will be held at Wilmington High School. Transportation will be the responsibility of the student.* **Students should enroll in Human Anatomy & Physiology course either before or at the same time as AP Biology.**

SOCIAL STUDIES DEPARTMENT



CIVICS

Grade 9

1 Sem. ½ Credit

Prerequisite: None

In-depth study of the United States and Illinois constitutions. This course is intended to help young people be competent and responsible citizens throughout their lives. This course will focus on government institutions, controversial political issues, services learning, and simulations of the democratic process.

HONORS CIVICS

Grade 9

1 Sem. ½ Credit

Prerequisite: 8th grade placement criteria

An in depth study of the U.S. and Illinois Constitutions. This course will require students to research and discuss various government institutes, controversial political issues, services learning, and the simulations of the democratic process. This course requires an ability to learn independently, research, and compose formal writings. This is a WEIGHTED grade course.

HUMAN GEOGRAPHY

Grade 9-10

1 Sem. ½ Credit

Prerequisite: None

Human Geography is a semester long course that focuses on the distribution, processes, and effects of humans on the population and world. Units of study may include: population, migration, culture, language, religion, ethnicity, political geography, and agriculture. Emphasis is placed on geographic models and applications, case studies around the globe, and Internet activities used to explore geographical topics.

WORLD HISTORY

Grade 10

1 Sem. ½ Credit

Prerequisite: None

This course will include a wide variety of historical topics from around the world. Beginning with a brief study of African and Middle East history, students will explore a variety of historical topics based on geographical regions. Other units of focus will include European, Asian, and South American history. The student will be exposed to such topics as political trends, historical figures, human rights violations, and economic systems from each region.

AP WORLD HISTORY**Grade 10-12****2 Sem. 1 Credit****Prerequisite:** Grade of an “A” in Honors Civics and English 1, or Teacher Recommendation

This course will cover a time frame beginning at 8000 BC and continuing on to present day emphasizing the various themes of World History in the process. Students will be required to master factual knowledge in World History while also developing the investigative and analytical skills of a true historian. Students will accomplish this through the daily practice of reading historical documents and primary sources as well as sharing their historical analysis through writing. Students will have summer reading/work list and will be expected to take the College Board Advanced Placement exam in World History in which they may receive college credit. This is a WEIGHTED grade course.

U.S. HISTORY**Grade 11-12****2 Sem. 1 Credit****Prerequisite: None**

Important people and events are covered in U.S. History, with an emphasis on relating the past to the present. The study of wars that involved the U.S., African-American history, the women's rights movement, the labor movement, immigration, and the Holocaust are just some of the units of study included in this course.

AP U.S. HISTORY**Grade 11-12****2 Sem. 1 Credit****Prerequisite:** Passing AP World History, Grade of an “A” in English 2, or Teacher Recommendation

This course is meant to think conceptually about U.S. History from approximately 1491 to the present and apply historical thinking skills as they learn about the past. Seven themes of equal importance—identity; peopling; politics and power; work, exchange, and technology; America in the world; environment and geography; and ideas, beliefs, and culture—provide areas of historical inquiry for investigation throughout the course. These require students to reason historically about continuity and change over time and make comparisons among various historical developments in different times and places. The purpose of this course is to prepare students to take the College Board Advanced Placement exam in U.S. History in which they may receive college credit. This is a WEIGHTED course.

R.U.S.H. (RECENT U.S. HISTORY)**Grade 12****1 Sem. ½ Credit****Prerequisite: U.S. History**

Recent U.S. History will examine important people, events, and trends beginning with the post-World War II era. The effects of Cold War, presidential administrations, culture, and an intense study of the Vietnam War are just some of the units of study that are included in this course.

SOCIOLOGY**Grade 11 & 12****1 Sem. ½ Credit****Prerequisite: None**

This course will study the science of society, which includes the various social institutions and social relationships throughout the United States and the world. A strong emphasis will be placed on important issues in society (crime, social classes, education, etc.).

ECONOMICS**Grade 11-12****1 Sem. ½ Credit****Prerequisite: None**

This course is designed to provide an understanding of how the American economic system works. It will prepare future college business students with a good foundation in the fundamentals of economics.

GENERAL PSYCHOLOGY

Grade 11 & 12

1 Sem. ½ Credit

Prerequisite: None

In depth study of development of personality, personality disorders, frustration & stress management, motivation and emotional development.

CURRENT EVENTS

Grade 11 & 12

1 Sem. ½ Credit

Prerequisite: None

This course emphasizes reading comprehension, critical thinking, problem solving, oral expression, and media literacy in a social studies setting. The curriculum for this course will not focus on specific facts and dates, but rather a project based evaluation. The class will offer ideal opportunities to become informed citizens and learn to become lifelong news readers. Students will focus on such areas of study as national events, state events, local events, and foreign events.

FOREIGN LANGUAGE DEPARTMENT

SPANISH I

Grade 9-12

2 Sem. 1 Credit

Prerequisite: None

This course is designed for students to learn basic communication skills in Spanish. Students develop their skills in speaking, listening, reading, and writing Spanish. An introduction to Hispanic culture is also included.

SPANISH II

Grade 9-12

2 Sem. 1 Credit

**Prerequisite: Spanish I or Freshmen
Placement Exam**

A continuation of Spanish I. Additional vocabulary and grammar are introduced and students continue to work on the four core parts of the language: reading, writing, listening and speaking. As the students progress, projects, papers and cultural knowledge are expanded in class.

SPANISH III

Grade 11-12

2 Sem. 1 Credit

Prerequisite: "C" avg in Spanish II

A continuation of Spanish II. Although students continue to work on the four core parts of the language (reading, writing, listening and speaking), additional grammar and vocabulary are introduced. There is an expectation to communicate in Spanish throughout the class.

SPANISH IV

Grade 11-12

2 Sem. 1 Credit

Prerequisite: "C" avg in Spanish III

This course is the culmination of Spanish at Coal City High School. Emphasis is on projects, papers, and cultural knowledge. Students will put their knowledge of three years of Spanish into use. The history of Spain, South and North America, poetry, artists, and other aspects of culture will be studied.

AP SPANISH

Grade 12

2 Sem. 1 Credit

Prerequisite: "A-" in Spanish III or IV

This course in advanced conversation, composition and grammar intends to prepare students to succeed on the Spanish Language and Cultural Advanced Placement Exam. Students will read, discuss, and write on authentic Hispanic literature and contemporary multi-media. This course will be conducted entirely in Spanish, and it is expected that students practice Spanish grammar concepts on their own Spanish-English dictionary is required. This is a WEIGHTED grade course.

CAREER & TECHNICAL EDUCATION DEPARTMENT

RESIDENTIAL DIY

Grade 9-12

1 Sem. ½ Credit

Regional Course ID: 1100B

Prerequisite: None

A course in which students explore the skills needed to perform household Do-It-Yourself projects. The activities represent tasks and skills that can be used in the workforce today as well as skills needed for future homeowners/renters. This course will center around hands on problem solving and active cooperative learning. Areas to be covered include: basic safety, tool usage, carpentry, painting, door handle removal and installation, drywall repair and installation, plumbing, electrical, heating and cooling, appliance repair, etc.

ENGINEERING TECHNOLOGY

Grade 9-12

1 Sem. ½ Credit

Regional Course ID: 1142

Prerequisite: Residential DIY

This course uses a modular system, with extensive use of computers which will allow students to proceed at their own pace and be responsible for their own learning. This engineering based course will center around activities related to the following engineering fields, chemical, electrical, mechanical, industrial, and aeronautical engineering. This course involves hands on problem solving and cooperative learning and experimentation. Students move on a 5 day rotation. Modules that will be covered include: computer controlled lathe, AutoCAD, computer controlled mill, engineering, electricity, Autodesk Inventor, robotics, GPS, computer programming, aerodynamics, and more.

SMALL ENGINES & AUTOMOTIVE

Grade 9-12

1 Sem. ½ Credit

Regional Course ID: 1111

Prerequisite: None

This course consists of 2 nine week courses. The basics of small engine repair and maintenance are taught during the first nine weeks. Students disassemble, check internal parts, and reassemble a lawn-mower type engine. During the next nine weeks students learn about basic automotive systems such as: suspension systems, fuel systems, body and paint, charging systems, cooling systems, etc. Students also learn the basic skills of jump-starting a car and changing a tire. Both are mainly hands-on (lab) type classes.

WOODS

Grade 9-12

1 Sem. ½ Credit

Regional Course ID: 1105

Prerequisite: None

No previous experience in woodworking is necessary. Included will be an introduction to the woodworking machines with students making their own projects. A lab \$30 fee will be charged to cover the cost of the project materials.

WOODS 2

Grades 10-12

1 Sem. ½ Credit

Prerequisite: "B" in Woods & Instructor Approval

The course is designed for the more advanced students to create, assemble, and finish their own kit projects. Students will be tested on the safe use of woodworking machines in order to work independently in the lab. Lumber, supplies, plan, and kits must be supplied at the expense of the student. Kits and supplies may cost from \$90.00 to \$400.00 or more.

ARCHITECTURAL DRAWING/CAD

Grade 10-12

2 Sem. 1 Credit

Regional Course ID: 1274

Prerequisite: None

Basic architectural drawings such as floor plans, plot plan, section views, and callouts, will be drawn on a CAD system on a computer using the latest software. Students will learn CAD commands and software while practicing mechanical drawing and learning about architectural elements and design considerations.

CHILD DEVELOPMENT 1

Grade 9-12

1 Sem. ½ Credit

Regional Course ID: H111

Prerequisite: None

An introductory course designed to provide instruction and skill development in the understanding and development of the child from prenatal stages to the first year. This course includes segments on parenting and family. Careers related to children are explored.

CHILD DEVELOPMENT 2

Grade 9-12

1 Sem. ½ Credit

Regional Course ID: H105

Prerequisite: Child Development 1

This course is open to any student who may be interested in Early Childcare and/or Early Childhood Education (ECE) after high school. This hands-on training course gives students an automatic bump up on the career lattice when they graduate with a Level 1 ECE Credential. Course of study includes health, nutrition, and safety issues for group care as well as child development from birth through school age. The approved early care provision allow high school seniors to apply for a Gateways Scholarships for Early Childhood Education as an added bonus. Students must purchase student manuals for this class. The ECE manual is \$28.00 but is subject to change.

INTRODUCTION TO CULINARY ARTS

Grade 9-12

1 Sem. ½ Credit

Regional Course ID: H101

Prerequisite: None

This course utilizes ProStart I coursework from the National Restaurant Association (NRA). Students will explore the world of culinary arts and management including safety and sanitation in the professional kitchen as well as basic cooking techniques common to the industry. The course includes practices in reading recipes, measuring, and preparation techniques (concentrating on potatoes, pasta, grains, fruits, and vegetables, and specific breakfast items).

CULINARY ARTS 2

Grade 9-12

1 Sem. ½ Credit

Regional Course ID: H102

Prerequisite: Intro to Culinary Arts

This course is a companion course to Intro to Culinary Arts and utilizes ProStart II curriculum from the NRA. Students will continue to explore the world of culinary arts and hospitality management as they gain knowledge in nutrition, menu marketing, and food preparation that focuses on poultry, soups and sauces, salads and garnishes, baked desserts, and yeast breads.

INTRODUCTION TO BUSINESS

Regional Course ID: B100.5

Grade 9-10**1 Sem. ½ Credit****Prerequisite: None**

A course designed to introduce students to basic business concepts and principles that are being used in corporate America. The course focuses on government economic conditions, international business, ethical and social responsibilities and business ownerships. The introduction of basic departments of a major corporation such as accounting, management, human resource, production and marketing are covered in this class. This course is an excellent lead-in to advanced business courses.

ACCOUNTING 1

Regional Course ID: B2001

Grade 10-12**2 Sem. 1 Credit****Prerequisite: None**

This first level course in accounting emphasizes financial accounting. This course covers the accounting cycle, assets, liabilities and stockholder's equity in sole proprietorships, partnerships and corporations. Attention is given to providing the student with an understanding of accounting procedures and the ability to use accounting data effectively. Computer applications are included. This course is vital for any student who plans to pursue a degree in business or a related field after graduation. There will be a fee of approximately \$40 for materials.

ACCOUNTING 2

Regional Course ID: B2011

Grade 11-12**2 Sem. 1 Credit****Prerequisite: Accounting 1**

This course is a continuation of Accounting I. The emphasis of this second accounting course is on managerial accounting. Included in this course are the fundamentals of payroll, voucher systems, inventory valuation, unearned/accrued revenue and other topics. There will be a fee of approximately \$70 for materials.

BUSINESS LAW

Regional Course ID: B210.5

Grade 10-12**1 Sem. ½ Credit****Prerequisite: None**

This course covers the areas of Business Management focusing on real-world applications and connections. The basic managerial skills of planning, organizing, leading, controlling, and evaluating will give you a better understanding of business operations. Students will learn how to market oneself in today's business world. Students will learn the aspect of starting and operating a small business and apply this knowledge by creating a small business plan.

BUSINESS MANAGEMENT**Grade 10-12****1 Sem. ½ Credit****Prerequisite: None**

This course is designed to provide students with an overview of our legal system, including statutes and regulations that affect businesses, families, and individuals in a variety of ways. Knowledge of business law is particularly useful because all students eventually assume the role of citizen, worker, and consumer in society.

SPORTS & ENTERTAINMENT MARKETING

Regional Course ID: B272.5

Grade 10-12**1 Sem. ½ Credit****Prerequisite: None**

This class will focus on one of the fastest growing industries in the business world. The sports and entertainment marketing field has really grown due to the expansion of current sports leagues as well as new professional and amateur leagues being developed. The class will be predominantly project based. Problem-based and engaged learning will play a big part in most of these projects. The projects will focus on real-world sports marketing activities.

COMPUTER TECHNOLOGIES: ONLINE TOOLS**Grade 9-12****1 Sem. ½ Credit**

Regional Course ID: B110.5

Prerequisite: None

This course introduces the features and capabilities of Google and Internet tools. While learning how to utilize the Internet, students will learn the underlying concepts and strategies involved. Various web tools are discussed along with the types of information and communications students can retrieve using these tools.

COMPUTER TECHNOLOGIES: MICROSOFT OFFICE**Grade 9-12****1 Sem. ½ Credit**

Regional Course ID: B120.5

Prerequisite: Comp. Tech Online

This course is designed to develop microcomputer application skills using Microsoft Office. This fully integrated software package will allow students to complete projects using word processing, spreadsheets, presentation software and desktop publishing software. Students will also be interfacing throughout with the Internet. Microsoft office certifications are available.

MULTIMEDIA 1**Grade 9-12****1 Sem. ½ Credit**

Regional Course ID: B260.5

Prerequisite: Comp. Tech Online

This course is designed to allow the students to utilize the Macintosh computer through various software. Some of the concepts that will be discussed are photo manipulation, multimedia presentations, graphics, podcasting, desktop publishing, video editing, and web authoring.

MULTIMEDIA 2**Grade 10-12****1 Sem. ½ Credit**

Regional Course ID: B2801

Prerequisite: Multimedia 1

This course is designed to allow students to advance their skills utilizing the PC computer through various software. Software used will include Microsoft Movie Maker, Photoshop, Illustrator, and InDesign. Advanced concepts in photo manipulation, graphics, podcasting, desktop publishing, photography and video editing will also be discussed. Course may be repeated. *JJC Dual Credit is available for this course for juniors and seniors but is subject to change upon revisions made from Joliet Junior College. CCHS has no control over this entity.*

GAME DESIGN PROGRAMMING**Grade 10-12****1 Sem. ½ Credit****Prerequisite: None**

Computer programming introduces students to the idea of computer programming through logic and language. The course introduces the ideas and theory of programming using the programs Scratch and Alice. Students will see patterns and procedures that the Programmers utilize in a real world application. They will also design 2-D and 3-D worlds and characters that interact based on programming code that the student controls.

CONCEPTS OF WEB DESIGN**Grade 11-12****1 Sem. ½ Credit**

Regional Course ID: B281.5

**Prerequisite: Computer Tech:
Online Tools**

This course teaches the proper way to design and maintain web pages and applications. Topics include basic design concepts, common mistakes to avoid when designing, creating new web pages, creating graphics, links animation, and advanced web page development. Students will utilize Macromedia Flash, Fireworks and Dreamweaver for creation of their pages. Other software utilized in the course includes Adobe Photoshop and Internet browsers. The class will help build and maintain pages for the district web site as well as other projects, which include partnering with a local business and a digital portfolio.

ADVANCED WEB DESIGN**Grade 11-12****1 Sem. ½ Credit**

Regional Course ID: B2811

Prerequisite: "B" avg. in Concepts of Web Design & Instructor approval

This course deals with advanced based web design. Students will work in an independent learning environment with unique and varying assignments. Primary focus will be on the building and maintenance of the district's web site. Course may be repeated with instructor permission.

DESKTOP PUBLISHING**Grade 10-12****2 Sem. 1 Credit**

Regional Course ID: B2611

Prerequisite: Multimedia 1 and application process required

This course will involve the complete production of a high school yearbook. Students will design and edit pages for submission to the publisher. They will also be responsible for writing copy, interviewing, budgeting, selling advertisements, taking photos, and marketing the book. Software used in the class includes Adobe InDesign, Photoshop, Microsoft Word, and Excel. *Course may be repeated with instructor permission.*

ENTREPRENEURIAL PUBLISHING**Grade 11-12****2 Sem. 1 Credit**

Regional Course ID: B2101

Prerequisite: Multimedia 1 and application process required

This class is a school-based enterprise and combines the concepts and experiences of owning your own business with the creation of forms, programs, newsletters, business cards, certificates and brochures. Students will work on real life situations using desktop publishing, word processing, digital photography and graphics. *Course may be repeated with instructor approval.*

CONSUMER EDUCATION**Grade 11-12****1 Sem. 1/2 Credit****Prerequisite: None**

This course helps the individual student develop his personal efficiency as a consumer by making him aware of the alternatives available in the choice-making process. Individual values are cultivated, yet the student also sees where he fits into the overall network of our economy. This course is designed to relate to consumer interests. All students are required to pass Consumer Education to meet the IL State requirement for graduation.

COOPERATIVE EDUCATION SEMINAR**Grade 11-12****2 Sem. 1 Credit****Prerequisite: None**

This course is designed to help students prepare for the "real" world by researching careers and future education plans. This course will contain basic skills of career preparation and retention including finding a career, resume building, networking, interviewing, and negotiating salary as well as on-the-job development and enrichment of career skills.

COOPERATIVE EDUCATION (CE)**Grade 11-12****2 Sem. 4 Credits**

Regional Course ID: AL232

Prerequisite: Senior standing

Designed to provide on-the-job training for senior-level students. Students are enrolled for four school periods, including one mandatory CE class. The purpose of the work phase of the program is to allow students to develop a positive work ethic, improve interpersonal relationships related to successful attainment and retention of employment, learn and apply the rights & responsibilities of the employee, and gain skill for future job advancement. Each training station must be approved and must provide each student with a minimum of 15 hours of work a week. An approved work station meets all federal and state laws regarding liability, safety, and wages and must follow a plan wherein the student progresses upward in development of skills for the workplace. The student must provide his/her own transportation to the job site

which must be within a 20 mile radius of CCHS or have approval of the instructor. Students must submit signed proof of employment before the end of the 4-day add/drop period in August or must drop CE and sign up for other CCHS courses. Also, students who are unemployed at the start of the 2nd semester will be dropped from CE and must sign up for other CCHS courses.

PHYSICAL EDUCATION DEPARTMENT

FITNESS CONCEPTS

Grade 9

1 Sem. 1/2 Credit

Prerequisite: None

Students will try to achieve and maintain a health-enhancing level of physical fitness based upon continual self-assessment of written and physical testing. Students will be acquiring knowledge, collecting data, creating goals/plans of action to help them implement strategies to meet their exercise goals. During the second part of the course, students will complete a unit which includes infant, child, and adult CPR, and AED.

HEALTH

Grade 9

1 Sem. 1/2 Credit

Prerequisite: None

This required course is designed to motivate students to investigate their physical, mental, and social traits. Topics to be covered include: mental health, safety and first-aid, sex education, disease control, dependency-causing substances, decision-making and self-esteem.

DRIVER EDUCATION/SAFETY

Grade 9-10

1 Sem. 1/2 Credit

Prerequisite: Sophomore standing; Freshmen eligible 2nd semester with birthdate by 12/31/2002

This course consists of two parts. One is planned classroom instruction and practice driving designed to develop proper habits, attitudes, skills, and background knowledge of motorists. Driver education class includes at least 30 hours of classroom study and 6 hours of behind-the-wheel training with an instructor. In addition, students are required to complete 100 hours of documented practice driving time under the supervision of a parent or legal guardian. State law requires the student to have passed at least 8 classes (4 credits) in the preceding two semesters in order to take Driver Ed. and apply for a license. There will be a course fee of \$50 to cover the Behind-the-Wheel portion of this course.

PHYSICAL EDUCATION

Grade 10-12

2 Sem. 1 Credit

Prerequisite: None

Physical development and health directly affect one's performance in all areas of life. Physical education provides students with the knowledge and skills for the development of a healthy lifestyle, and also provides the opportunity to acquire both physical fitness and the skills necessary for various leisure time activities.

FIT FOR LIFE

Grade 10-12

2 Sem. 1 Credit

Prerequisite: Fitness Concepts

This course is designed for those who want to attain and/or improve their physical fitness and health, and will focus on the 5 components of health-related fitness: cardiovascular endurance, muscle strength and endurance, body composition and flexibility. Pedometers, heart rate monitors, free weights, weight machines and cardiovascular equipment will be used to ensure that class goals are met. Sound dietary principles and stress management techniques will also be addressed.

WEIGHTLIFTING/FITNESS

Grade 10-12

2 Sem. 1 Credit

Prerequisite: Fitness Concepts

This course is designed for those individuals interested in muscular strength development and cardiovascular fitness. Opportunities will be provided through our weight room facility for strength development and improvement of body composition.

FINE ARTS DEPARTMENT

ART FOUNDATIONS

Grade 9-12

1 Sem. ½ Credit

Prerequisite: None

This introductory course provides the students with an overview of Visual Art. In this class, elements and principles of visual design are identified and applied to a series of two-dimensional problems, leading to an appreciation and use of formal structure in art. ** A lab fee of \$20 will be charged to cover the cost of project materials.*

SCULPTURE

Grade 10-12

1 Sem. ½ Credit

Prerequisite: Art Foundations

In beginning sculpture students are introduced to materials and methods of working with three-dimensional forms. This course gives a historical overview of sculpture and covers various aspects of 3-dimensional works, such as the production of simple and complex forms, subtractive work, contextual considerations and found objects. Students are introduced to hand and power tools along with safe shop practices. Mediums and methods include plaster, clay, stone, metal, wood, wire forms and soldering. The skills of cutting, soldering and polishing are taught with an emphasis on design, craftsmanship and safety. ** A lab fee of \$20 will be charged to cover the cost of project materials.*

CERAMICS

Grade 10-12

1 Sem. ½ Credit

Prerequisite: Art Foundations

This introduction to ceramics introduces students to fundamental methods of forming clay. The basic technique for handbuilding (pinch pot, slab construction, and coil construction) will be demonstrated. Special emphasis is placed on the development of basic technique for throwing pots on the potter's wheel. Craftsmanship, creativity, and an appreciation for the elements that are inherent to well made functional pottery are emphasized in this class. Students will learn how to finish their pieces with various types of glaze and firing techniques. The terminology and definitions of materials and ceramic processes as well as ceramic art history will be presented. ** A lab fee of \$20 will be charged to cover the cost of project materials.*

DRAWING

Grade 10-12

1 Sem. ½ Credit

Prerequisite: Art Foundations

Beginning drawing introduces the student to basic drawing materials, techniques and skills. An emphasis is placed on developing the ability 'to see', to focus on the observation of three-dimensional forms and translate this to the two-dimensional picture plane. Students work on a variety of exercises and assignments designed to enhance this process. This involves working from still-life and observation. Basic approaches include mark-making, line quality, value, volume, toning, texture and the various methods that emphasize spatial qualities. Compositional strategies are also covered. Students explore the usage of drawing media such as charcoal, pencil, pen, brush/ink, pastel and colored pencil. ** A lab fee of \$20 will be charged to cover the cost of project materials.*

PAINTING

Grade 10-12

1 Sem. ½ Credit

Prerequisite: Art Foundations

Beginning painting focuses on the introduction and exploration of various painting methods and materials. This includes an emphasis on color theory, value and composition. Work is done from still-life and the human figure as well as landscape to help students explore objective, observational, expressive and abstract methods. Students use basic painting materials such as acrylic, watercolor, colored pencils and oil pastels. ** A lab fee of \$20 will be charged to cover the cost of project materials.*

STUDIO 1

Grade 11

2 Sem. 1 Credit

**Prerequisite: Drawing and/or
Painting & teacher recommendation**

This is an advanced course in the Visual Arts that concentrates on Two-dimensional artwork. Students taking this course should possess a high degree of self-motivation. Studio 1 is intended for students that are eager to continue the exploration of Art and develop their technical skill in a variety of media. Students must complete sketchbook assignments as homework along with self-assessments and personal and peer critiques. ** A lab fee of \$20 will be charged to cover the cost of project materials.*

STUDIO 2

Grade 12

2 Sem. 1 Credit

**Prerequisite: Studio 1 & teacher
recommendation**

This is a continuum of Studio 1. Students taking this course should possess a high degree of self-motivation. Studio 1 is intended for students that are eager to continue the exploration of Art and develop their technical skill in a variety of media. Students must complete sketchbook assignments as homework along with self-assessments and personal and peer critiques. ** A lab fee of \$20 will be charged to cover the cost of project materials.*

ART THROUGH THE AGES

Grades 10-12

1 Sem. ½ Credit

Prerequisite: None

In the course, students will explore where art originates, how it was developed and the contemporary purposes that it holds in our world. As various art movements and time periods are explored, students will be exposed to media including pastel, pencil, plaster, clay, watercolor and acrylic paints, pen, marker, and much more. ** A lab fee of \$20 will be charged to cover the cost of project materials.*

CONCERT BAND

Grade 9-12

2 Sem. 1 Credit

Prerequisite: Prior band experience or
Director approval

This course will expose music students to many different and challenging styles of music. The year begins with a two week long camp for Marching Band preparation in August. All students are required to attend this camp as part of the class. Throughout the fall season, the ensemble performs a variety of styles within the context of the Marching Band genre. The rest of the year focuses on the Concert genre where music from standard literature is performed.

PERCUSSION ENSEMBLE

Grade 9-12

2 Sem. 1 Credit

Prerequisite: Marching & Concert Band
or Director approval

The purpose of this course is to offer students a well-rounded approach to learning percussion instruments in order to develop general musicianship. Students will have the opportunity to develop their skills in all areas of percussion including mallets, pitched and non-pitched percussion, and auxiliary instruments. The students will participate in numerous types of percussion ensembles and will be assigned to perform with the Concert Band. It is expected that participants are enrolled in the course for the entire year, that they are serious about music, and that they will participate as needed outside of class in order to perform successfully.

FRESHMAN SHOW CHOIR

Grade 9

2 Sem. 1 Credit

Prerequisite: None

This freshman-only course will explore different styles of vocal music. Students will perform throughout the school year at several different school, conference, and community events. Students will learn what it takes to be a member of a performing group while learning choreography, vocal music skills for performing, and proper performance etiquette in preparation for joining the Varsity Show Choir in the future. *Freshmen may enroll in either Freshman Show Choir OR Varsity Chorus but not both.*

VARSITY CHORUS

Grade 10-12

2 Sem. 1 Credit

Prerequisite: None

This class will explore different styles of vocal music from its earliest works to music of contemporary composers. Students have the opportunity to perform with the ensemble in many different settings from concerts held at the school to participation in conference activities, state activities, as well as exploring Chamber Music for the voice in solos and ensembles. Vocal students will study the techniques of vocalization as well as gain valuable experience rehearsing and performing vocal literature that is both challenging and rewarding.

MUSIC THEORY 1

Grade 10-12

1 Sem. 1/2 Credit

Prerequisite: Enrollment in Band
or Chorus or Instructor approval

This course starts to lay the foundation of basic music theory and music appreciation. Students focus on units dealing with music notation, major scales, minor scales, and intervals. During the entire semester, the students choose and research a composer.

MUSIC THEORY 2

Grade 10-12

1 Sem. 1/2 Credit

Prerequisite: Music Theory I

This course will explore the development of music theory. Emphasis will be placed on the elements of composition and music history, specifically intervals, chord structure, harmonic progression, composers, and style development.

MUSIC APPRECIATION

Grade 9-12

1 Sem. 1/2 Credit

Prerequisite: None

Music has played and continues to play a vital role in enriching the lives of all who experience it. Enjoyment of music can be expanded when it is infused with historical context, explores multiple styles and genres and when it is examined within the larger social, cultural and artistic environment. In this class, students will listen to, analyze and evaluate music and musical performances from an historical to a contemporary perspective. As a result, students will develop greater historical knowledge of music, gain exposure to a variety of musical styles, advance their ability to connect their own musical interests to history, create a foundation to inform their future musical experiences and investigate potential music industry applications that might be relevant to their lives.

BEGINNING GUITAR

Grade 9-12

1 Sem. 1/2 Credit

Prerequisite: None

Students will be instructed in learning all aspects of producing sound on the guitar along with music reading, music theory, and selected historical, cultural and technical contributions. This course is for students who have no prior experience in playing the guitar. Students must provide their own guitar. *Guitars will NOT be furnished by the school.*

INTERMEDIATE GUITAR

Grade 9-12

1 Sem. 1/2 Credit

Prerequisite: "C" avg. in Beginning Guitar

Students will be instructed in learning more difficult aspects of producing sound on the guitar as well as more complicated technique and more difficult chords. Students will also be challenged with more difficult music reading, music theory, and selected historical, cultural, and technical contributions that will aid in bringing their guitar playing to the next level. Students must provide their own guitar. *Guitars will NOT be furnished by the school.*

THEATER TECHNICIAN I

Grade 10-12

1 Sem. 1/2 Credit

Prerequisite: 1 cr. previously earned in Fine Arts or Career/Tech Ed. courses with a grade

of

"B" or better; Instructor approval required

A class designed for students to learn the behind-the-scenes aspects of putting on a live theater presentation. Students learn the basics of set construction, lighting and sound techniques, and theater management. In addition to the work in class students will be expected to put in 15 evening hours to apply the skills learned by participating in the actual production of either the play or the musical. **LIMITED ENROLLMENT.**

THEATER TECHNICIAN II**Grade 10-12****1 Sem. ½ Credit****Prerequisite: 'B' or better
in Theater Technician I**

Students taking this courses will receive a detailed training in one, or more, of the 'tracks' being offered. The track options include: sound design, lighting design, set design, costume design/management. Students will receive a more in-depth training on their focus area, and will apply those skills to several hands on applications. Students will work closely with the auditorium manager and directors to execute projects for auditorium events. *Course may be repeated with instructor permission.*

EVENT MANAGEMENT & PUBLIC RELATIONS**Grade 10-12****2 Sem. 1 Credit****Prerequisite: None**

Students in the course will learn the skills to market, manage, and execute district events. Students will work with newspapers, radio stations, and other media outlets to promote district happenings. Through hands on application, students will complete task-based deadlines that are centered around marketing, promoting, logistics, or other aspects that will ensure events are executed efficiently and effectively. *Course may be repeated with instructor permission.*

GRUNDY AREA VOCATIONAL CENTER -

Course Descriptions

To be eligible to attend G.A.V.C. students must be on track to meet graduation requirements and demonstrate good attendance.

- **Upcoming juniors must have earned at least 13 credits by the end of the sophomore year**
- **Upcoming seniors must have earned at least 20 credits by the end of the junior year**
- **Disclaimer—Dual Credit is subject to change based upon revisions made from Joliet Junior College. GAVC has no control over this entity.**

BUSINESS MARKETING AND MANAGEMENT

COMPUTER GRAPHICS & MULTIMEDIA DESIGN I

GRADES: 11 - 12 1 YEAR

Prerequisite: None

This interactive multimedia course provides occupational preparation for careers in the digital design and multimedia world. Students will master a wide variety of skill sets ranging from graphic design image editing, page layout design, web design, to video and audio editing, and motion graphics and visual effects. They will learn to utilize complex equipment such as HD video cameras, digital cameras and green screen technology. Software used includes Adobe Photoshop, Adobe InDesign, Adobe Illustrator, Adobe Dreamweaver, Adobe Premiere Pro, Adobe Encore, Adobe After Effects, Adobe Audition, and Adobe Flash Pro. This is a great opportunity for students to express themselves creatively with computers.

COMPUTER GRAPHICS & MULTIMEDIA DESIGN II

GRADE: 12 1 YEAR

Prerequisite: *Computer Graphics & Multimedia Design I, with a C grade or better.*

Students will apply and expand their knowledge and skills acquired in Computer Graphics & Multimedia Design I. Students are afforded the opportunity to select a software area of interest, from Computer Graphics & Multimedia Design I, and focus intently on it. Further, students will also develop professionalism while playing an active role in a student centered T-shirt printing company called Express Impress. They will participate in situations closely resembling actual on-the-job situations. Through these experiences, students will gain insight into the work environment, thereby assisting in their own transition from school to the workplace.

CRIMINAL JUSTICE

CRIMINAL JUSTICE I

GRADES: 11 - 12

1 YEAR

***Prerequisite:* None**

Students will be educated in a wide range of criminal justice topics such as law enforcement, corrections, parole, probation, court system, security management, current legal issues, terrorism, as well as other related areas of our criminal justice system. The purpose of the course is to provide students with basic information to understand our criminal justice system and/or to pursue a career in the criminal justice field, both public and private.

CRIMINAL JUSTICE II

GRADE: 12

1 YEAR

***Prerequisite:* Successful completion of Criminal Justice I with a "C" or better.**

Criminal Justice II will continue to reinforce and enhance the knowledge and skills learned from Criminal Justice I. In addition, Criminal Law and the Juvenile Justice System will be studied. Students may be provided the opportunity to participate in an internship program with outside agencies by demonstrating the necessary knowledge and desire to succeed in such program.

HEALTH SCIENCE TECHNOLOGY

FIRE SCIENCE I

GRADES: 11 or 12

1 YEAR

***Prerequisite:* None**

The Fire Science I course is designed to provide a basic understanding of the fire protection career field and to prepare the fire science student for entry into the Fire Science II program. It is, further, intended to prepare the student for entry into a State approved firefighter certification program and/or a college or university Fire Technology degree program.

The curriculum is based on the standards established by the Illinois State Board of Education, the Illinois State Fire Marshal's office, the National Fire Protection Association, the National Fire Academy, the Department of Transportation, the Department of Public Health, and the Fire and Emergency Services National Professional Development Model. Students will learn about a variety of career choices available within the field of fire protection, and the knowledge, skills and abilities which are required of each. The course of study will include the following domains: Basic First-Aid and CPR (2 credits); Orientation and Organization; Fire Hose; Fire Streams; Firefighter Safety and Health; Firefighter Personal Protective Equipment; Water Supply; Fire Department Communications; Fire Behavior; Building Construction; Portable Fire Extinguishers; Ground Ladders; Fire Control; Introduction to Hazardous Materials; the Incident Command System; Work Ethic; and Human Relations.

FIRE SCIENCE II**GRADE 12****1 YEAR*****Prerequisite:*** Fire Science I, with a C grade or better

The Fire Science II course is designed to provide a solid foundation of knowledge and skills to prepare the fire science student for entry into a State approved firefighter certification program and/or a college or university Fire Technology degree program. It is, further, intended to prepare the student for the annual *Skills USA* competition.

The curriculum is based on the standards established by the Illinois State Board of Education, the Illinois State Fire Marshal's office, the National Fire Protection Association, the National Fire Academy, the Department of Transportation, the Department of Public Health, and the Fire and Emergency Services National Professional Development Model. Students will expand upon the knowledge and skills acquired during the Fire Science I program and gain technical proficiency through hands-on application and repetitive drills. This advanced course of study will include the following domains: Ropes & Knots; Fire Control; Loss Control; Ventilation; Protecting Fire Scene Evidence; Fire Prevention & Public Education; Rescue & Extrication; Forcible Entry; Fire Detection, Alarm, and Suppression Systems; Basic Pre-hospital Emergency Medical Care; Hazardous Materials Operations; Firefighter Safety & Health; Incident Command; and Employability Skills. This course emphasizes skill development in the operation of firefighting tools and equipment in order to develop psychomotor skills (Job Performance Requirements) and physical strength and endurance. The course will include first-hand experience with the typical employment selection process. Students will take a series of mock entry-level skills assessment tests, written exams, and oral interviews. Students will be assessed on their knowledge, skill and ability, appearance and dress, behavior, and overall comfort level with the typical assessment instruments utilized by the industry during the firefighter selection process.

HEALTH SCIENCE TECHNOLOGY**HEALTH OCCUPATIONS I****GRADES: 11 - 12****1 YEAR*****Prerequisite:*** None

This course includes skills to prepare the health science student for a solid foundation in the healthcare field. The student receives instruction in the basic fundamentals of patient care both in theory and clinical practice. The student will develop basic skills in body mechanics, medical asepsis, ethics, safety and medical terminology, as well as personal care of patients.

Participation in clinical practice at local health care facilities provides the student with actual hands-on experience in a variety of situations. Students are required to complete a physical and 2 step TB test to participate in clinical practices. Upon successful completion of the course, the student will be prepared to take the State Certified Nursing Assistant exam. Students must maintain an 80% or better throughout the course in order to qualify to take the State Certified Nursing Assistant exam. Health Occupation Students of America is also an integral part of this program.

**HEALTH OCCUPATIONS II
YEAR**

GRADE: 12

1

Prerequisite: *Successful completion of Health Occupations I with an 80% or better. Successful completion of the Certified Nursing Assistant Examination.*

The course includes skills to prepare the health science student for a specific career in the health science and technology field. The student will be exposed to a variety of occupations in both nursing and an allied health field. The first semester will provide reliable and realistic information about health careers with exploratory learning experiences. The student will be exposed to additional knowledge in medical language, medical math, anatomy and physiology, and job skills training. Students will develop a portfolio for working in the healthcare industry. HOSA becomes more involved both in the classroom as well as in the local communities, providing a more competitive edge for the student. HOSA continues to be an important part of the curriculum with numerous opportunities in leadership training, community service and personal development.

INDUSTRIAL ORIENTED

ACE: ARCHITECTURE, CONSTRUCTION MANAGEMENT, ENGINEERING

GRADE: 12

1 YEAR

Prerequisite: None

The ACE program is designed to provide the student with a broad overview of the skills and knowledge necessary to pursue an exciting career in the architecture/construction/engineering field. Through relevant and challenging college courses, the student will receive a solid foundation in the introductory and fundamental coursework in the professional tracks of the building industry. The ACE program has been designed for those students interested in the built environment and are considering career pathways in the field of architecture, engineering or construction management. With 12 hours of college credit to be earned, the student will explore each discipline and can apply those credits to the track best suited to their interest for further study. Each discipline, Architecture, Construction Management and Engineering, has an introductory course intended to provide the student an insight into the different career alternatives and the educational and professional path available in that discipline. Beyond career exploration, each introductory class also covers the terminology, processes, skills, and industry specific content to give the student a full snapshot of not just that discipline, but how all disciplines in the building industry work together to build our communities. In addition, the ACE program includes a course in Blueprint reading designed to provide the proper knowledge and skills to be able to read a set of blueprints; a fundamental, required skill for all disciplines and individuals in the building industry. The students will also receive their OSHA 10 Construction Safety card, an industry credential, by successfully completing a 1 ½ day weekend training course in the program. Also included is an Introductory course in Sustainability. While the content covers sustainability in the AEC industry, it also introduces the basic fundamentals in sustainability as a societal, global, multi-discipline approach. The course serves as a general education credit in the pursuit of many associate and advanced degrees. Students will need

their own transportation to and from class. They will be dual enrolled earning high school and college credit for ARCH 100, CM 100, EGR 105/AEC 299, AEC 106, OPS 111 and SET 100, a total of 12 credits (see page 2 for course descriptions). **Students will need their own transportation to and from class.** They will be dual enrolled earning high school and college credit for the above listed courses.

Guidance Notes: Solid math skills needed with record of good attendance and behavior.

Highlights of the Program:

- Students will attend courses at JJC Main campus, M-F, 12:30p – 2:30p (exact times TBD)
- Schedule to follow JJC calendar including holidays, spring break, etc.
- Attendance requirements to follow JJC course policies: Due to the progression of topical content and hands-on labs, attendance is mandatory in all course sessions unless excused by the instructor.
- Class size limited to 15 students
- Textbooks and supplies provided by JJC
- JJC Program advising available for academic and career planning

AIM: ADVANCED INTEGRATED MAINTENANCE

GRADE: 12

1 YEAR

Prerequisite: None

This senior only program is offered in partnership with Joliet Junior College and will be held at Main Campus on Houbolt Rd, Joliet, IL. Students will participate in four separate college courses building skills and awareness in industrial maintenance, industrial fluid power, basic wiring/circuit design and electrical controls for heating, ventilation, and air conditioning systems. The AIM program will provide students with the core education and technical hands-on skills to further pursue careers in the advanced manufacturing sector. The demand for highly skilled technicians continues to grow everyday right here in our district. In the Industrial Maintenance Technology courses, students will learn about OSHA safety programs, maintenance physics, hand and power tools, precision measuring, technical diagrams and assembly prints, fastening devices, lubrication, basic pump operation, and basic pipefitting procedures. Building on that knowledge, study will continue on the principles of hydraulics and pneumatics as applied to the basic theory of fluids and typical industrial circuits. Students will build fluid power circuits as applied to industrial applications. In addition, students will learn the fundamentals of electrical and electronic circuits, including the calculation and measurement of voltage, current, resistance and power with emphasis placed on safe meter usage, print reading and exposure to a variety of electrical technologies currently used in industry including: introductory residential wiring, operation of AC motors, industrial solid-state devices, variable frequency drives, industrial controls, and single-phase/three-phase power distribution. Also included are the skills necessary to safely use electronic test equipment on low- and high-voltage components, and the details of installation, service, troubleshooting, and repairs on various types of electrical controls, circuits and components in the HVAC industry. **Students will need their own transportation to and from class.** They will be dual enrolled earning high school and college credit for IMT101, IMT121, HVAC120, and EEAS101, a total of 13 credits.

Guidance Notes: Solid math skills needed with record of good attendance and behavior.

Highlights of the Program:

- Students will attend courses at JJC Main campus, M-F, 7:30a – 9:30a
- Schedule to follow JJC calendar including holidays, spring break, etc. with any minor adjustments as necessary
- Attendance requirements to follow JJC course policies: Due to the progression of topical content and hands-on labs, attendance is mandatory in all course sessions unless excused by the instructor.
- Class size limited to 9-12 students
- Safety and lab equipment provided by JJC
- Participation and invitation to JJC career events and industry visits highlighting advanced manufacturing companies
- Participation in career skills ‘boot camps ‘ including resume, interview skills, etc.
- Potential for summer internships

AUTOMOTIVE TECHNOLOGY I

GRADES: 11 - 12

1 YEAR

Prerequisite: None

This course is National Automotive Technicians Education Foundation (NATEF) accredited. The course covers shop orientation and safety procedures including use of the lifts and hand tools. The core content will focus on tire repair and replacement procedures, vehicle fluid services, basic brake system service and operation, steering and suspension service with alignments, basic automotive electrical system operation and repair, and engine performance diagnostic procedures. Students will have the opportunity to learn about engine disassembly and reassembly as well as theory of operations.

AUTOMOTIVE TECHNOLOGY II

GRADE: 12

1 YEAR

Prerequisite: *Automotive Technology I, with a C grade or better.*

This course focuses on advanced automotive systems and service procedures. It will go more in depth in diagnosing and repairing vehicles and repairing vehicle faults created by the instructors. This course will also go more in depth in braking systems to include anti-lock brakes and brake boosters. Students will diagnose alignment issues and perform alignment work on customer vehicles. Second year students will have a larger focus on engine performance diagnosis covering everything from fuel, ignition, exhaust, starting and charging, and emission system diagnosis and repair. Air bag and passenger restraint system safety and procedures will also be covered along with advanced electrical diagnostics with vehicle computer systems and components. Student will have an opportunity to earn the Automotive Service Excellence (ASE) Maintenance & Light Duty Repair Certificate upon successfully passing the test.

BUILDING TRADES I

GRADES: 11 - 12

1 YEAR

Prerequisite: None

Students explore various trades that are involved in constructing a home. This includes safety, technical math, lay-out and excavation, concrete and masonry, carpentry, electrical wiring, plumbing, heating and air conditioning, painting and decorating as well as landscaping. As the students come to know what is involved in the different areas of construction, they will be able to

make an informed choice as to which area of the building trades they would like to pursue as a vocation.

BUILDING TRADES II **GRADE: 12** **1 YEAR**

Prerequisite: Building Trades I, with a C grade or better.

Students explore various trades that are involved in constructing a home. This includes safety, technical math, lay-out and excavation, concrete and masonry, carpentry, electrical wiring, plumbing, heating and air conditioning, painting and decorating as well as landscaping. As the students come to know what is involved in the different areas of construction, they will be able to make an informed choice as to which area of the building trades they would like to pursue as a vocation.

COMPUTER MAINTENANCE TECHNOLOGY I **GRADES: 11 - 12** **1 YEAR**

Prerequisite: None

CMT I is designed to prepare students to service and maintain modern personal computers and peripherals. Basic networking concepts and functions will also be covered. Students will become adept at troubleshooting and diagnosing problems, as well as performing routine maintenance on PCs. Students will learn to install and replace the major hardware components of the system, maintain and repair those components, as well as build a complete system. Students will also install, configure and troubleshoot various operating systems, including DOS and Windows. Additionally, mobile operating systems, OS X, Linux, and client side virtualization will be discussed. Various peripherals, such as printers/scanners, as well as portable devices will also be examined. This course emphasizes practical application of theories covered. Hands-on activities, lecture, and student reading/homework provide the platform for learning. Each student will be provided the resources needed to prepare for the CompTIA A+ certification exam. There are no prerequisites for this course.

COMPUTER MAINTENANCE TECHNOLOGY II **GRADE: 12** **1 YEAR**

Prerequisite: Successful completion of CMT 1, with a C grade or better OR CompTIA A+ Certification

Year two of the CMT course focuses on the Cisco CCNA Routing and Switching curriculum. The course provides an integrated and comprehensive coverage of networking topics, from fundamentals to advanced applications and services, while providing opportunities for hands-on practical experience and career skills development. Students learn the basics of routing, switching, and advanced technologies to prepare for the Cisco CCENT and CCNA certification exams, networking related degree programs, and entry-level networking careers. The course emphasizes critical thinking, problem solving, collaboration, and the practical applications of skills. Students will be prepared to take the Cisco CCENT certification exam after completing a set of two courses or the CCNA Routing and Switching certification exam after completing a set of four courses. The curriculum also helps students develop workforce readiness skills and builds a foundation for success in networking-related careers and degree programs.

**WELDING AND FABRICATION I
YEAR**

GRADES: 11 - 12

1

Prerequisite: None

This class trains students for a career in Metal Fabrication. Whether your goal is simply to fabricate ideas in your garage, build your own chopper, fabricate a race car or go on to a career in construction such as an ironworker, pipe fitter, heavy equipment operator, sheet metal worker, and auto body repair. This class will teach all types of welding and cutting used readily today such as Plasma Arc Cutting, Oxy Fuel Cutting, Stick Welding, Tig Welding, and Mig Welding. You will also possess the knowledge to set up the latest in cutting edge welding equipment for various welding processes and applications.

WELDING AND FABRICATION II

GRADE: 12

1 YEAR

Prerequisite: Welding and Fabrication I, with a C grade or better.

This class will take your welding ability to the next level. Depending on your future goals, we will tailor your second year to give you the edge needed in today's workforce or college. Second year welding students find themselves doing more fabrication from blueprints and shop drawings. Most two-year dedicated well applied students come straight out of GAVC right into welding jobs in local Industry.

PERSONAL SERVICES

COSMETOLOGY

GRADES: 11 - 12

2 YEARS

Prerequisite: Basic Math, Science, Reading and Anatomy

Students will receive training at the Franklin Cosmetology Institute, located in downtown Morris. The goal of the program is to adequately prepare students through training, theory, and practical in order to successfully pass the Illinois state requirements to become a professional, licensed cosmetologist. Students participate in both classroom and practical experiences. Training in this field provides for career opportunities as a hair designer, hair coloring technician, and beauty and skin care advisor. To become a professional cosmetologist, the State of Illinois requires 1500 hours of training and mastery of skills from an accredited cosmetology school and the successful passing of the State Board exam.

CULINARY ARTS I

GRADES: 11 - 12

1 YEAR

Prerequisite: None

The Culinary Arts program will provide student opportunity to build interest and skill in essential and advanced culinary theory and techniques. Students will gain exposure and training in both lecture and lab experiences necessary to advance towards future study and practice in the culinary profession. Areas of study may include: Foodservice History, Sanitation & Safety; Equipment Usage; Basic & Technological Aspects in Food service Preparation; Nutrition; Classical Cooking; Ordering, Purchasing, Receiving & Inventory Controls; Customer Relations; Vocational Ethics.

CULINARY ARTS II**GRADES: 11 - 12****1 YEAR*****Prerequisite: Culinary Arts I***

The Culinary Arts program will provide students opportunity to expand their knowledge and skill base gained in Culinary Arts I. Students will develop advanced cooking skill and technique and increase their understanding of critical culinary and business theory. Areas of study may include: Foodservice History, Sanitation & Safety; Equipment Usage; Advanced Aspects in Food service Preparation; Nutrition; Classical Cooking; Ordering, Purchasing, Receiving & Inventory Controls; Customer Relations; Vocational Ethics.

EARLY CHILDHOOD I**GRADES: 11 - 12****1 YEAR*****Prerequisite: None***

First year students will receive an introduction to child development principles, learning environments, curriculum development, health, safety, and nutrition. They are also introduced to special education topics such as: autism, attention deficit disorder, and inclusions. They will begin learning the components of writing lesson plans for Early Childhood. They are given three different clinical experiences during their first year. Following this training, off-campus sites in the home-school community will be used to provide at least three days per week for observational and practical experiences involving children. Three, two-month practicum experiences will be available for the beginning student.

* Students must have a current physical with a T.B. skin test, and driver's license.

EARLY CHILDHOOD II**GRADE: 12****1 YEAR*****Prerequisite: Successful completion of Early Childhood I, with a C grade or better.***

The Early Childhood II program is available to those returning seniors who wish to continue exploring the components of education from birth to age eight. Topics discussed throughout the second year include the history and philosophy of early childhood education, child guidance and observation, diversity issues, and portfolio development. They will also learn to write detailed plans as well as discuss common core standards in order to implement those lessons while attending clinical.

Students will participate in off-campus clinical experiences in the student's home community by assisting at local public schools, preschools, or childcare facilities.

* Students must have a current physical with a T.B. skin test, and driver's license.

Wilco Area Career Center

HEALTH SCIENCE 1

Grade 11-12

2 Sem. 4 Credits

Prerequisite: None

This course includes skills to prepare the health science student for a solid foundation in the healthcare field. The student receives instruction in the basic fundamentals of patient care both in theory and clinical practice. The student will develop basic skills in body mechanics, medical asepsis, ethics, safety and medical terminology, as well as personal care of patients.

Participation in clinical practice at local health care facilities provides the student with actual hands-on experience in a variety of situations. Upon successful completion of the course, the student will be prepared to the State Certified Nursing Assistant exam. HOSA (Health Occupations Students of America) is an integral part of this program. This is a dual credit articulated course with Joliet Junior College. This course will be held at Reed-Custer High School and will begin at 7:40 a.m. Bus transportation is provided.

HEAVY EQUIPMENT TECHNOLOGY

Grade 12

2 Sem. 4 Credits

Prerequisite: Application Process

This program is designed to train students for careers as heavy equipment mechanics. Heavy equipment includes equipment such as cranes, bulldozers, front-end loaders, rollers, backhoes, and hoists. Emphasis will be on the fundamentals as it relates to diesel engines and fuel systems used in heavy equipment. This program still introduce students to units of measurement, electron theory, wiring diagrams, schematics and symbols, basic principles of hydraulics, basic engine components, intake and exhaust systems, introduction of welding and powertrain functions. Students will be drug-tested and must meet minimum requirements. The class is located at ASIP-Local 150 in Wilmington. Students must provide own transportation for this program.