

## **INTRODUCTION**

This guide for students and parents contains essential information for success at Campbell County High School. Requirements for graduation, program options, course descriptions, and other topics are discussed. Each student is advised to use this information to establish a plan suited to his personal interest, capabilities, and future. Seldom do students have identical needs or interest; so individual planning is necessary. Final course selection is the responsibility of each student, as approved by his or her parents. Teachers, counselors, and principals are available for assistance. Students and parents have an open invitation to confer with these individuals. Any of the above may be reached by calling 635-4161.

**GRADE LEVEL CLASSIFICATION** - Credits must be completed by the beginning of the school year.

### **CLASSES OF 2011, 2012, 2013, and 2014**

Grade 9	Student must have successfully completed grade 8
Grade 10	Student must have earned 5 credits
Grade 11	Student must have earned 11 credits
Grade 12	Students must have earned 18 credits

## **GRADUATION REQUIREMENTS**

### **Freshmen – Class of 2014**

<u>Department</u>	<u>Credits Required</u>	<u>Required Courses</u>
Language Arts	4	English I, II, III, & IV
Social Studies	3	Intro. to Social Studies, World Civ., & US History
Mathematics	4	Algebra I & II, Geometry, & one additional Math course
Science	3	Integrated Science, Biology, plus 1 more
Health/PE	1	Introduction to Health & Physical Fitness
Arts & Humanities	1	Visual & Performing Arts
Intro. CTE Class**	1	See Course Descriptions for 6 choices
Electives	8	Electives will include 4 courses from a career pathway
<b>TOTAL CREDITS REQUIRED</b>	<b>25 out of 28</b>	

### **Sophomores – Class of 2013**

<u>Department</u>	<u>Credits Required</u>	<u>Required Courses</u>
Language Arts	4	English I, II, III, & IV
Social Studies	3	Intro. to Social Studies, World Civ., & US History
Mathematics	4	Algebra I & II, Geometry, & one additional Math course
Science	3	Integrated Science, Biology, plus 1 more
Health/PE	1	Introduction to Health & Physical Fitness
Arts & Humanities	1	Visual & Performing Arts
Intro. CTE Class**	1	See Course Descriptions for 6 choices
Electives	8	Electives will include 4 courses from a career pathway
<b>TOTAL CREDITS REQUIRED</b>	<b>25 out of 28</b>	

### **Juniors – Class of 2012**

<u>Department</u>	<u>Credits Required</u>	<u>Required Courses</u>
Language Arts	4	English I, II, III, & IV
Social Studies	3	Intro. to Social Studies, World Civ., & US History
Mathematics	3	Algebra I & II, Geometry
Science	3	Integrated Science, Biology, plus 1 more
Health/PE	1	Introduction to Health & Physical Fitness
Arts & Humanities	1	Visual & Performing Arts
Intro. CTE Class**	1	See Course Descriptions for 6 choices
Freshman Academy	1	Camels in Transition (CIT)
Electives	8	
<b>TOTAL CREDITS REQUIRED</b>	<b>25 out of 28</b>	

\*\* Computer competency will be fulfilled in this class

**Seniors – Class of 2011**

<u>Department</u>	<u>Credits Required</u>	<u>Required Courses</u>
Language Arts	4	English I, II, III, & IV
Social Studies	3	Intro. to Social Studies, World Civ., & US History
Mathematics	3	Algebra I & II, Geometry
Science	3	Integrated Science, Biology, plus 1 more
Health/PE	1	Introduction to Health & Physical Fitness
Arts & Humanities	1	Visual & Performing Arts
Intro. CTE Class	1	See Course Descriptions for 6 choices
<u>Electives</u>	<u>9</u>	
TOTAL CREDITS REQUIRED	25 out of 28	

**ADDITIONAL REQUIREMENTS FOR ALL STUDENTS**

Individualized Learning Plan (ILP) – Students across Kentucky are required to complete an Individual Learning Plan (ILP). The Career Cruising ILP Tool ([www.careercruising.com](http://www.careercruising.com)) is designed to help students bring together their academic achievements, extracurricular experiences, and career and education exploration activities. This enables the student, parents or guardians, teachers, and counselors to work together to develop a course of study that meets the student's needs and goals. User names and passwords are available through the guidance office. **The ILP program is mandated by the State of Kentucky as a graduation requirement.**



# MY FOUR-YEAR PLAN AT CCHS

## WORK SHEET

Name \_\_\_\_\_

I plan to follow the \_\_\_\_\_ curriculum (regular, pre-college, Commonwealth Diploma).

Career Major \_\_\_\_\_

### **Grade 9**

### **Grade 10**

<i>Course Name</i>	<i>Credit</i>	<i>Course Name</i>	<i>Credit</i>

### **Grade 11**

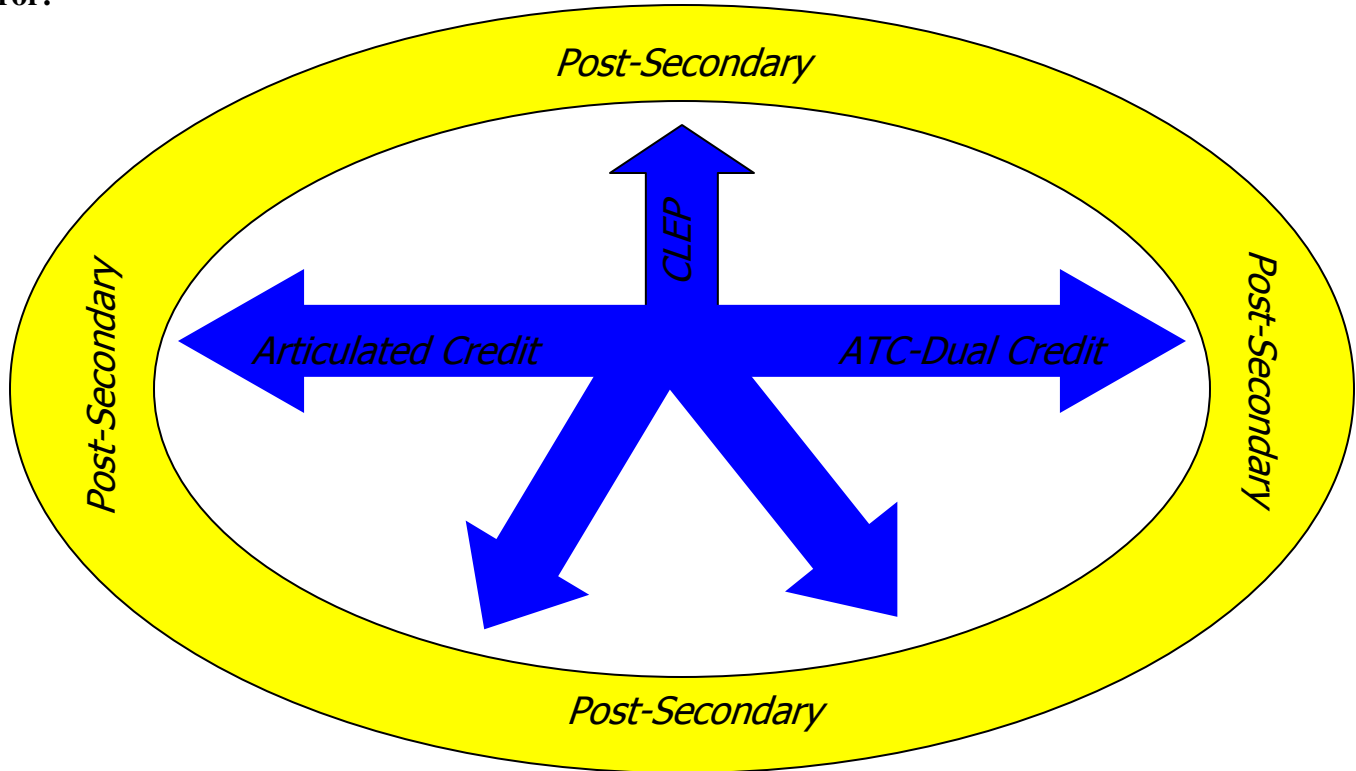
### **Grade 12**

<i>Course Name</i>	<i>Credit</i>	<i>Course Name</i>	<i>Credit</i>

\*\*\* When making a four-year plan, keep in mind that some courses have prerequisites\*\*\*

# Ways High School Students Can Earn College Credit

Error!



## **Option 1: Dual Credit through Early Admission (NKU and Thomas More)**

Eligible high school students are admitted to a post-secondary institution and take college classes for college credit. This course may also count for high school credit. There is an additional application process for students to enter as college freshman.

## **Option 2: Dual Credit (ATC Schools only, through Gateway)**

ATC students are taught by an ATC instructor at an ATC in a course approved by the Gateway Provost. Students can earn Gateway credit if grade requirements are met for the equivalent Gateway course.

## **Option 3: Articulated Credit**

Articulated Credit is by definition a pre-determined agreement between a high school and a post-secondary institution. College credit is **generally** awarded after high school graduation when the student meets admission criteria and/or other standards outlined within the specific agreement.

## **Option 4: Advanced Placement**

Students can enroll in AP courses, designed by College Board. Post-secondary institutions **MAY** award college credit if students receive a 3 or higher (out of a possible 5) on AP exams.

## **Option 5: College Level Examination Program (CLEP)**

A national program of credit-by-examination is sponsored by the College Entrance Examination Board. This option is for students to test out of college courses based on extensive acquired knowledge. Check with your post-secondary institution for further information and availability.

# COURSE DESCRIPTIONS

The information in this guide is designed to assist students and parents/guardians in understanding the breadth of programs and courses available at Campbell County High School. This information should serve as a guideline in making decisions about course selections. Some classes are offered on a rotating basis; that is, they are not offered every year. Check the course selection sheets to see which courses are being taught.

Whether or not a particular course listed on the course selection sheet will be taught in any given year depends upon the demand for that course. When enrollment is not sufficient, a course will be dropped. For this reason, **it is important to indicate at least four alternates**. An administrator may waive a course prerequisite after consultation with the department chair and the course instructor.

Students will receive confirmation of their course preferences. If there are errors, students will have the opportunity to correct this prior to the end of the school year. Final schedules will be available before the beginning of the new school year.

***PLEASE NOTE:* If you sign up for an advanced or AP class that requires summer work, please be aware that you will not be allowed to change your schedule to a lower level course because you failed to do the summer work. If you drop the class a WF (withdrawn failing) will appear on your transcript. The F, however, will not calculate into your GPA.**

## **CTE DUAL CREDIT AND EARLY ADMISSION TO COLLEGE**

The following Career and Technical Education (CTE) classes have Articulation Agreements. Articulation is a term for insuring that secondary and post secondary schools work together to assist students in progressing smoothly from secondary to post-secondary programs. Students can receive early admission to college and **college credit** through Articulation Agreements. CCHS has articulation agreements with the following post-secondary institutions: Eastern Kentucky University, Gateway Community and Technical College, Kentucky Community Technical College System, Louisville Technical Institute, Morehead State University, Murray State University, Northern Kentucky University, University of Kentucky, and Western Kentucky University. Please see your CTE teacher for more information.

**Agriculture:** Advanced Plant Science, Advanced Wildlife Management

**Business:** Accounting and Finance Foundations, Financial Accounting, Business Management, Computer and Technology Applications, Financial Services I and II, Microsoft Office – MOS Certification, Word Processing, and Work-based Learning

**Technology:** Drafting I, Drafting II, and Construction

# **CAREER & TECHNICAL EDUCATION (CTE)**

## **Leadership Dynamics**

**Grades 9-12**

**1 credit**

This course is designed to assist students with developing skills needed to be successful leaders and responsible members of society. The student will develop personal attributes and social skills. Emphasis will be placed on interpersonal skills, team building, communication, personal development, and leadership. Additional content will include communication/technology, financial literacy, employability skills, and consumer decisions. The course will include opportunities for students to apply their knowledge. **THIS COURSE IS A CTE REQUIREMENT OPTION.**

## **AGRICULTURE**

**Leadership development in ALL agriculture classes will be provided through FFA.**

**Enrollment in an agriculture class requires joining FFA and paying \$15.00 dues.**

## **Advanced Plant Science**

**Grades 11-12**

**1 credit**

Prerequisite: Three years of agriculture. This class will be offered every other year in odd numbered years.

**Note: College Credit Option**

A college freshman level course, Advanced Plant Science introduces students to the world of plants. The course is a survey of botany, agronomy, horticulture, soils, forestry, and other areas of plant science. Opportunity is provided for students to earn three (3) hours of introductory college credit. Content may be enhanced by utilizing appropriate computer applications. Each student will be expected to have a supervised agricultural experience program.

## **Advanced Wildlife Management**

**Grade 11-12**

**1 credit**

Prerequisite: Principles of Agriculture AND Wildlife Resources plus teacher signature. This class will be offered every other year in odd numbered years.

**Note: College Credit Option**

A college freshman level course, Advanced Wildlife Management provides students with an overview of wildlife ecology and management. Emphasis is placed on the multifaceted nature of wildlife ecology, the importance of wildlife in our culture, and the relationships among wildlife and other natural resources. Opportunity will be provided for students to earn three (3) hours of introductory college credit. Content may be enhanced by appropriate computer applications. Student agricultural experience programs will enhance program benefits.

## **Agriculture Co-op**

**Grade 12**

**1 credit**

Prerequisites: Must have completed application and interview with the instructor. The student must secure a co-op position that is related to his/her agriculture career major.

This program is designed so that students may gain occupational experience during the school day. Ag Co-op students will earn 1 credit for this course. The following forms must be turned in to the instructor before the student will be released from school to their co-op site: proof of age, liability release, proof of auto insurance, records and grades release, social security card, permission sheet, and health insurance form.

## **Agriscience**

**Grades 10-12**

**1 credit**

This course is an intermediate scientific study of environmental technology. It is designed to develop an awareness of environmental concerns related to air, water, soil, land use management, waste management, and their interrelationships with the biological ecosystem. Soil formation, conservation and evaluation material will also be included. Utilizing appropriate computer applications, scientific laboratory activities, field experimentation, community development projects, and occupational development will enhance content. Each student will be expected to have a supervised agricultural experience program. **This class can be used as a science elective.**

## **Animal Science**

**Grades 10-12**

**1 credit**

Animal Science develops basic knowledge and skills pertaining to livestock identification, selection, nutrition, reproduction and genetics, health management and marketing of one or more species of farm animals. The latest biogenetic applications will be included. The content may be enhanced with appropriate computer applications. Each student will be expected to have a supervised agricultural experience program.

**Equine Science****Grades 10-12****1 credit**

Prerequisite: Principles of Agriculture or Animal Science. This class will be offered every other year in even numbered years.

Equine science develops knowledge and skills pertaining to breed identification and selection, anatomy, physiology, nutrition, genetics and reproductive management, training principles, grooming, health, disease, parasite control, and sanitation practices. Content will be enhanced by utilizing appropriate computer applications. Each student will be expected to have a supervised agricultural experience program.

**Floral Design****Grades 10-12****1 credit**

Floriculture and floral design provides instruction to develop floral design techniques using silk, dried, and fresh flowers. Students will learn operation and management techniques of a florist business as well as identification, production and cultural maintenance practices of plants used in floral designs and interior landscaping. Utilizing appropriate technology may enhance content. Each student will be expected to have a supervised agricultural experience program.

**Greenhouse Technology****Grades 10-12****1 credit**

Prerequisite: Principles of Agriculture

Greenhouse Technology provides instruction in greenhouse structures and greenhouse environment regulations. Plant growth and development and propagation are included as well as production and maintenance of container produced plants. Fundamental principles of vegetable production and commercial production of vegetable crops may be included. Students will also conduct a spring flower/plant sale. Content may be enhanced with appropriate technology. Each student will be expected to have a supervised agricultural experience program.

**Landscaping and Turf Management****Grades 11-12****1 credit**

Prerequisite: Principles of Agriculture plus teacher signature. This class will be offered every other year in odd numbered years.

This course combines landscaping and turf management curriculum. The material includes identification of landscape plants and their characteristics, site evaluation, site design, calculation of materials needed, cost bidding, and installing landscape plans. Landscape plant maintenance will also be presented. Selection, culture and management of turf species used for lawns, golf courses, athletic fields and erosion control may also be included. Utilizing appropriate technology may enhance content. Each student will be expected to have a supervised agricultural experience program.

**Principles of Agricultural Science and Technology****Grade 9-12****1 credit**

Introduces students to the various segments of the agriculture industry. Agriculture career opportunities will be emphasized. Basic animal science, plant and land science, and agricultural mechanics skills will be introduced. The selection and planning of a supervised agricultural experience program and related record keeping will be presented. Students will receive personal guidance and counseling with preparatory instructional program selection. Leadership development in all agriculture classes will be provided through FFA. **THIS IS A CTE REQUIREMENT OPTION.**

**Small Animal Technology/Veterinary Science****Grades 10-12****1 credit**

Prerequisite: Principles of Agriculture or Animal Science

This course develops scientific knowledge, management practices, and marketing strategies in small and specialty animal technology. The curriculum includes identification, anatomy, physiology, nutrition, health, selection, and care of small animals such as dogs, cats, rabbits, companion birds, ostriches, emus, tropical fish, and furbearers. Content will be enhanced with appropriate applied scientific laboratory activities and computer applications. Each student will be expected to have a supervised agricultural experience program.

**Wildlife Resources****Grades 10-12****1 credit**

Prerequisite: Principles of Agriculture or Animal Science. This class will be offered every other year in even numbered years.

This class develops an awareness of wildlife industry resources. The course includes a study of ecology and ecosystems, wildlife habitat, population dynamics, management techniques that deal with wildlife in all areas, and the regulations that effect the wildlife industry. Content may be enhanced with appropriate applied scientific laboratory activities and compute applications. Each student will be expected to have a supervised agricultural experience program.

## **BUSINESS**

### **Accounting and Finance Foundations (formerly Accounting I) Grades 10-12** **1 credit** ***Note: College Credit Option***

This course will provide an introduction to both areas of accounting and finance. Topics will include banking, credit, financial literacy, career exploration, spreadsheet usage, and technical writing. The accounting principles taught in this course are based on a double-entry system and include preparing bank reconciliations, payroll taxes, and financial statements. Detailed career exploration in the various fields of accounting will be available. Technical writing will be provided through IPAC business plan curriculum and exploration of case studies. Leadership development will be provided through FBLA.

### **Financial Accounting (formerly Accounting II)** **Grades 11-12** **1 credit** Prerequisite: Accounting and Finance Foundations Recommendation: A "C" or better average in Accounting and Finance Foundations ***Note: College Credit Option***

The accounting principles taught in this course include an in-depth study of accounting principles, procedures, and techniques used in keeping financial records for sole proprietorships, partnerships, and corporations. There is an emphasis on automated accounting. Topics include a more analytical approach to accounting. Leadership development will be provided through FBLA.

### **Advertising Services/Travel and Tourism** **Grades 10-12** **1 credit** ***Note: This course is offered every other school year. It will be offered again in 2010-2011.***

One semester of these linked courses (Advertising Services) is designed to develop students' understanding of advertising as it relates to successful marketing and business operations. Students will be exposed to a broad knowledge of advertising that will be an asset in many career areas. Various advertising methods of promotion which are used to help sell a product, service or business will be explored – forms of media, methods, budget, and evaluations.

The other semester (Travel and Tourism) is designed to provide an overview of employment opportunities in the travel and tourism industry. Instruction includes career awareness, domestic travel, international travel, customer service, leadership development, communication skills, attitude and personality development, sales techniques, and promotions. This course is designed to stress the role of customer services in all segments of travel and tourism.

### **Business Law** **Grades 10-12** **1 credit**

This course develops an understanding of legal rights and responsibilities in personal law and business law with applications to everyday roles as consumers, citizens, and workers. Students will have an understanding of the American legal system, court/court procedures, criminal justice systems, torts, the civil justice system, oral and written contracts, sales contracts and warranties, and consumer protection. Legal terminology is emphasized.

### **Business Management** **Grades 10-12** **1 credit** ***Note: College Credit Option***

This course emphasizes the skills needed for managing a business that includes the selection and supervision of employees, and the efficient use of time, personnel, facilities, and financial resources. Students will explore forms of business ownership, typical business organizational structure, product or service promotion in business, effective communications, human relations skills required in dealing with employees, and effective management strategies used in personnel, finance, production, marketing, and information processing.

### **Business Principles and Applications** **Grades 9-12** **1 credit**

This course establishes basic foundations for further study in business and marketing courses and provides essential information for making financial and economic decisions. Students learn about the fundamentals of the American Free Enterprise System and world economies; application of sound money management for personal and family finances; credit management; consumer rights and responsibilities; forms of business ownership; risk and insurance; and the importance of international trade. (This course is cross-referenced with Marketing Education.) **THIS IS A CTE REQUIREMENT OPTION.**

**Financial Services I (Bank)****Grades 11-12****1 credit**

Prerequisite: One Business credit and completed application (available from instructor or guidance counselor)

Must have at least one credit in Accounting in order to earn the Financial Services Career Major

**Note: College Credit Option**

This course is designed for 11<sup>th</sup>- and 12<sup>th</sup>-grade students interested in pursuing a career in the financial institution field. It involves operation of a student financial center in cooperation with a sponsoring bank that provides banking and financial procedures and concepts.

**Financial Services II (Bank)****Grade 12****1 credit**

Prerequisite: Financial Services I and completed application (available from instructor or guidance counselor)

**Note: College Credit Option**

Financial Services II is a continuation of Financial Services I, providing opportunities to enhance students' writing portfolios. Students continue to learn and practice financial activities associated with the operation of a bank and other finance-related institutions in addition to assuming management and supervisory responsibilities including training "new employees." Students will participate in a work-based learning experience. (*i.e. Co-op, Internship, Shadowing, Mentoring, etc.*)

**Principles of Marketing****Grades 9-12****1 credit**

This course provides a basic foundation for further study in marketing. Students study economic functions at work in the marketplace, marketing functions including purchasing, pricing, and distribution functions. This course is based on the business and marketing core that includes communication skills, economics, financial analysis, and promotion. Both marketing and employment skills learned will improve and increase the chance of successful transition into the world of work. Leadership development will be provided through DECA activities and competitive events. **THIS IS A CTE REQUIREMENT OPTION.**

**Retail Marketing (Bookstore)****Grades 11-12****1 credit**

Prerequisite: Completion of a minimum of one business course and completed application (available from instructor or guidance counselor)

Recommendation: Accounting I

This course is designed to provide an overview of marketing responsibilities of individuals employed in the retail industry. Emphasis is placed on application of knowledge in such areas as mathematics, human relations, distribution, purchasing and selling. Employment in school-based or work-based enterprises is recommended in order to give students the opportunity to apply newly acquired skills. The National Retail Skill Standards are integrated into this course giving the students the opportunity to receive Retail Skill Standards Certification.

**Sports and Entertainment Marketing****Grades 10-12****1 credit**

This course is designed to develop a thorough understanding of the marketing concepts and theories that apply to sports and events. This course is based on the business and marketing core that includes communication skills, distribution, marketing-information management, pricing, product/service management, promotion, selling, operations, strategic management, human resource management, and the economic impact and considerations involved in the sports and event marketing industries. Leadership development will be provided through DECA.

**Yearbook 1 & Yearbook II****Grades 11-12****1 credit each year**

Prerequisite: Computer and Technology Applications and Application Approval

**Note: Requires work past the end of the school year (through June)**

This course applies publishing and presentation concepts through the development of the yearbook. Students must possess basic word processing skills. The software packages are Studio Works provided by Taylor Publishing Company of Dallas, TX and Photoshop. The course is designed to provide "hands-on" experience. The industry standard is applied throughout the course in vocabulary, grammar, spelling, proofreading, printing, and presentation design. The course involves editing, formatting, and page layout and design.

### **Work-based Learning Program**

**Grades 11-12**

**1-2 credits**

Prerequisites: Application approval and interview with program coordinator. Training or job must be related to the student's career major.

**Note: College Credit Option**

This program is designed for vocational students to gain training or work experience during the school day. The intern (student) would receive one or two credit(s) and may or may not be paid. The following forms must be returned before an intern is released from school to report to an internship site: proof of age, liability release, proof of auto insurance, records and grades release, social security number, permission sheet, and health insurance form. The intern must also be taking a Career and Technical Education class that relates to their ILP and the position they are seeking. They are also required to join the Career and Technical Student Organization that relates to their career path – FBLA, FCCLA, FFA, or TSA.

## **BUSINESS COMPUTER LAB INSTRUCTION CLASSES**

### **Computer and Technology Applications**

**Grades 9-12**

**1 credit**

Prerequisite: Basic keyboarding skills

**Note: College Credit Option**

Students will use computers and application software including word processing, presentation, database, spreadsheets, internet, and e-mail to prepare elementary documents and reports. The impact of computers on society and ethical issues are presented.

### **Microsoft Office – MOS Certification**

**Grades 10-12**

**1 credit**

Prerequisite: Computer and Technology Applications and permission of the instructor

**Note: College Credit Option**

As an extension of Computer and Technology Applications or Advanced Computer and Technology Applications, students will have the opportunity to increase their computer skills. Advanced functions and integration of Microsoft Word, Excel, Access, and PowerPoint will be taught. Students will work toward **MOS Certification** in one or more of these Microsoft areas. Students must take a minimum of two certification exams. Exams are approximately \$50.00 each. In addition, students will utilize Internet access to complete various projects. Leadership development will be provided through FBLA.

### **Multimedia Publishing (Basic Web Design)**

**Grades 10-12**

**1 credit**

Prerequisite: Computer and Technology Applications

This hands-on course applies publishing and presentation concepts through the development of sophisticated business documents and projects. These documents include, but are not limited to, tri-fold brochures, manuscripts, reports, bi-fold programs, catalogs, newsletters, flyers, business forms, graphs, web pages, on-screen presentations, and video productions. Equipment such as scanners, digital cameras, video cameras, and color laser printers, may be utilized in creating the documents. Formatting, editing, page layout, and design concepts are taught. Distribution ready publication standards are applied to all projects. Students will develop communication skills, problem-solving techniques, cooperative learning, and interpersonal skills.

### **Web Page Design**

**Grades 10-12**

**1 credit**

Prerequisite: Multimedia Publishing

Students analyze the structure of the worldwide web, apply basic principles of web documents and HTML, and develop multi-media web pages. Course content will include the understanding of hypertext and web structures. Equipment such as scanners, digital and video cameras, and sound recording devices will be utilized through hands-on instruction.

**Word Processing****Grades 9-12****1 credit*****Note: College Credit Option***

Students will spend several weeks reviewing the touch system of keying with emphasis on proper technique and developing speed and accuracy. Students who do not have the keying skills and technical ability to take Computer and Technology Applications should take this course. The student will apply techniques for composing, proofreading, editing, word division, capitalization, and punctuation for production of mailable copies of letters, business forms, tables, and reports. In-depth instruction for the generation of desktop publishing documents, spreadsheets, graphics, graphs, charts, and databases through application is a vital part of this course. The student will also research career opportunities in computer-related careers. A computerized workstation with appropriate software is required for each student. Leadership development will be provided through FBLA.

*\*Telecommunications concepts may be addressed through simulation or application where Telecommunications software is available.*

**FAMILY AND CONSUMER SCIENCE****Child Care Services I****Grades 11-12****2 credits**

Prerequisite: Application approval

The Child Development Services curriculum is designed to help the high school student prepare for a career in the area of childcare. It helps the student guide children through a variety of experiences, with safety and education being the principal goals. It provides training for entry level positions and offers students the opportunity to develop skills for working in day care centers, nurseries, kindergartens, and private homes. The subject content is reinforced with simulated experiences during the first semester and on-the-job training experiences second semester.

**Child Care Services II****Grade 12****2 credits**

Prerequisite: Child Care Services I

Child Care Services II is a continuation of Child Care Services I and is designed for students who wish to train for supervisory level positions or to further their education at the post-secondary level in the area of child care and development.

**Child/Human Development/Parenting****Grades 10-12****1 credit**

Child/Human Development develops competencies in caring for infants, preschool, and school-age children. The developmental characteristics of children are explored in the course, with opportunities to observe and guide children in a variety of activities in a child-care laboratory within the community and/or simulated within the classroom. This course is a good elective for pupils interested in pursuing additional training in education, particularly early childhood or elementary.

Parenting addresses competencies needed in preparation for parenthood. It involves the study of human reproduction, prenatal development, postpartum care, care of the baby and infant, and managing the responsibilities of parenting as well as changes in the family's lifestyle. This course is a good elective for pupils interested in careers in health and social service occupations.

**Fashion and Interior Design I****Grades 10-12****1 credit**

This course provides opportunities for students to develop career competencies in the fashion and/or interiors industry by applying information related to social, economic, and media influences. Students apply knowledge of design principles and processes through skill performance activities. Work experience will be explored.

**Fashion and Interior Design II****Grades 11-12****1 credit**

Prerequisite: Successful completion of Fashion and Interior Design I

This course provides opportunities for students to develop career competencies in the fashion and/or interiors industry. Practical problems include advanced textile construction techniques, and/or the creation of floor plans using technological resources. Entrepreneurial opportunities will be explored. Application of skills will occur in a variety of work sites.

## **Food and Nutrition**

**Grades 10-12**

**1 credit**

This course focuses on competencies required in selecting, planning and preparing a variety of food products. Various preparation techniques for preserving foods and a variety of methods of cooking are explored. Nutrition and meal planning are an integral part of the course.

## **Life Skills**

**Grades 9-10**

**1 credit**

This course includes the five areas of homemaking: foods and nutrition, human development, housing and home furnishings, management and family economics, and clothing and textiles. It provides the opportunity for learning basic enabling skills. It also provides the opportunity for pupils to decide future areas of concentrated study, including special interest courses. **THIS COURSE IS A CTE REQUIREMENT OPTION.**

## **Money Skills/Relationships**

**Grades 10-12**

**1 credit**

Money Skills is designed to prepare students to understand and use sound financial management skills and practices contributing to financial stability, improving the quality of life for individuals and family. Decision-making, problem solving, goal setting, and using technology are integrated throughout the content.

Relationships assists students to develop self-understanding, understand others better, improve interpersonal skills both within and outside the family, be more considerate of other person's needs and property, and maintain mental and emotional wellness. Family Life education comprises a portion of this course, including dating and married relationships. Preparations for and the achievement of a successful marriage are emphasized. Leadership development will be provided through the Family, Career, and Community Leaders of America.

## **Principles of Teaching**

**Grades 11-12**

**1 credit**

Prerequisite: Application approval and 2.5 cumulative GPA

This course provides opportunities for students with an interest in teaching to develop skills, strategies, and techniques used for instruction at various grade levels. Instruction addresses the principles and procedures for promoting the physical, emotional, social, and intellectual development of children, adolescents and developmentally appropriate practices in educational settings. Students will gain work experience in classrooms with certified teachers as part of their course work. Other components include the development of a four-year post-secondary plan, salaries and benefits of a teacher, job security, and future projections of the job market.

# **ENGINEERING AND TECHNOLOGY EDUCATION**

## **Advanced Technology Applications (Graphic Comm.)**

**Grades 10-12**

**1 credit**

Prerequisite: Technology Concepts

**Note: Cost of projects is the students' responsibility**

Graphic Communications Technology is a broad based technological program that deals with tools, techniques, knowledge, the sending/receiving of messages and other technical processes unique to the area of communications technology. This course includes an overview of each process and proceeds to individual exploration, examination, experimentation and evaluation of different graphic communication processes. Opportunities are provided to apply problem solving and critical thinking skills through the development of a product.

## **Engineering Design (Construction Technology)**

**Grades 11-12**

**1 credit**

Prerequisite: Technology Design and Application (Drafting)

**Note: College Credit Option. Cost of projects is the students' responsibility.**

This course is a broad-based course taught in a laboratory setting. The course emphasizes the construction of a product, which includes the study of structural design and engineering, structural building techniques, and the organization of a construction enterprise and its impact upon the environment. Opportunities are provided to apply problem solving and critical thinking skills through the development of a product. Participation in the Kentucky Technology Student Association (KTSA) will also be an integral part of this course.

**Foundations of Technology (Technology Concepts)****Grades 9-12****1 credit*****Note: Cost of projects is the students' responsibility***

Designed for students who have not had courses in the study of technology at the middle school. This course includes the introduction, exploration, and application of topics from technology and the development of technological systems. These courses may be conducted by a problem solving/design brief using small/large group instruction and/or through the modular approach. **THIS COURSE IS A CTE REQUIREMENT OPTION.**

**Special Technology Topics (Production)****Grades 10-12****1 credit**

Prerequisite: Technology Concepts

***Note: Cost of projects is the students' responsibility***

Production Technology is a laboratory course that involves the design and production of a product, with a focus on the processes and techniques of primary procession, constructing, manufacturing, and maintaining. The course will include the study and application of materials, tools, and machines necessary for manufacturing. Related systems are studied to include the organization of work and factors influencing our economy. Opportunities are provided to apply problem solving and critical thinking skills through the development of a product. Participation in the Kentucky Technology Student Association (KTSA) will also be an integral part of this course.

**Technology Design (Drafting I)****Grades 10-12****1 credit*****Note: Cost of projects is the students' responsibility. College Credit Option***

This course is a comprehensive, laboratory based course which includes the fundamentals of drafting. Sketching, board drafting, and computer applications in drafting and design will be emphasized. Students will use design briefs to solve drafting related problems in the four technology systems. Opportunities are provided to apply problem solving and critical thinking skills through the development of a product.

**Advanced Design Applications (Drafting II)****Grades 11-12****1 credit**

Prerequisite: Technology Design and Application (Drafting I)

***Note: Cost of projects is the students' responsibility. College Credit Option***

Drafting/Computer-Assisted Design Technology is a comprehensive, laboratory-based course that includes advanced techniques of drafting. Board drafting and computer applications in drafting and design will be emphasized. Students will use design briefs to solve drafting-related problems in the four technology systems. Opportunities are provided to apply problem solving and critical thinking skills through the development of a product. Participation in the Kentucky Technology Student Association (KTSA) will also be an integral part of this course.



**Principles of Sociology (TMC – SOC 105)****Grades 11-12****1 credit**

This course is intended to foster the student's "sociological imagination," provide the student with exposure to the basics of the academic discipline and emphasize the examination of: 1) the "ultimate meaning of life" through the analysis and evaluation of the social construction of reality, the socialization processes, and the institutional, cultural, and structural processes/components which provide the "meat and bones" of social life; 2) "one's place in the world" through the analysis and evaluation of cultural relativism, ethnocentrism, multiculturalism population demographics, and various other social problems; and 3) "one's responsibility to others" through the analysis and evaluation of stratification systems, class, racial, ethnic, and gender relations, the role of social movements and activism in fostering social awareness and change, and the relationship of critical sociology to theological and philosophical systems of thought.

**Principles of Speech Communication (NKU – SPE 101)****Grades 11-12****1 credit**

Focuses on different types of public speaking including informative, persuasive, and impromptu. Contents include: topic selection, outlining, reasoning, audience adaptation, delivery, persuasive strategies, and verbal style. This course fulfills a general education requirement in oral communications.

**World Religions (NKU – PHI 160)****Grades 11-12****1 credit**

A philosophical and comparative analysis of the major world religions: Hinduism, Buddhism, Confucianism, Taoism, Judaism, Christianity, and Islam. This course fulfills a general education requirement in humanities or non-western perspective.

# **FINE ARTS**

## **Visual and Performing Arts**

**Grade 11**

**1 credit**

This course is designed to meet the graduation requirement for visual and performing arts. Students will study the history and appreciation of visual arts, music, theatre, and dance. Only 2011 graduates who did not fulfill this requirement as an 11<sup>th</sup> grader will need this class.

## **VISUAL ART**

### **Art I (General Art)**

**Grades 9-12**

**1 credit**

This is a foundation art course in which students study the elements and principles of art as well as art history, art criticism, and aesthetics. Students wishing to take any of the specialized Art II courses offered at CCHS (ceramics/sculpture, drawing/painting, batik/enameling, and photography) must first take and pass General Art. Within General Art, students will produce art based on the specialized Art II courses.

### **Art History**

**Grades 10-12**

**1 credit**

Prerequisite: Enrollment in Pre-College or Advanced Classes

In this course students will combine a limited amount of art production (drawing, painting, sculpture, etc.) with an intensive study of Art History. No prior knowledge of Art History or special "artistic talent" is needed. Recommended for college-bound students.

### **Art II - Ceramics/Sculpture**

**Grades 10-12**

**1 credit**

Prerequisite: General Art

This is a linked pair of specialized Art II courses. Students must have taken and passed Art I to take this pair.

- Working with clay, ceramics will combine the basics of both hand built and wheel thrown ceramic pieces. Kiln firing and various glazing methods will be used. The emphasis of this course will be ceramics as both functional and non-functional fine art.
- Sculpture investigates sculptural styles and techniques throughout art history. Students will learn and create artwork using subjective (carving), additive (modeling), constructive, and casting sculpture techniques.

### **Art II – Drawing**

**Grades 10-12**

**1 credit**

Prerequisite: General Art

Drawing will provide an introduction to drawing techniques including the use of a variety of drawing materials. Students will do drawings from life (using models), still life, and landscapes.

### **Art II – Fiber Arts**

**Grades 10-12**

**1 credit**

Prerequisite: General Art

Batik is a painting created on fabric by means of a series of wax resists and dyes. After each dipping of the fabric in a dye bath it is dried and areas of color and design are coated with wax to protect the area from the next dye dip. Color will be studied in depth to understand the process that takes place each time the fabric is dyed. Several batiks will be created on a variety of fabrics.

### **Art II – Jewelry Arts**

**Grades 10-12**

**1 credit**

Prerequisite: General Art

Enameling is the fusion of glass on metal (usually copper) by means of a kiln. Each enamel artwork is fired many times for about three minutes each at 1450°. Different enameling techniques will be studied in each project starting with basic techniques of enameling and continuing until a cloisonné enamel (incorporating fine silver wire) is created. Both opaque and transparent enamels will be used. Some fine jewelry sawing may be incorporated to create unique shapes for the projects.

**Art II – Painting****Grades 10-12****1 credit**

Prerequisite: General Art

Painting investigates painting styles and techniques throughout art history. Students will work with watercolor, tempera, acrylic paints, and mixed media on paper and canvas board to create original paintings.

**Art II - Photography****Grades 10-12****1 credit**

Prerequisite: General Art

**Note: Students must have access to a 35mm camera and provide their own film.**

Photography will introduce the process of using cameras to create fine art. Students will incorporate the elements and principles of art into their work. Techniques including film development, printing photographs, and presentation of photographs will be taught as well as photo history, aesthetics, and proper critique methods.

**Art III – Senior Independent Study****Grade 12****1 credit**

Prerequisite: Art I and at least two Art II courses plus application approval.

**Note: Students must obtain an application and approval signature from one of the art teachers before applying for Independent Study.**

Independent study students will develop an individual art portfolio suitable for admittance to college or art school. This is an independent course. Students are expected to be self-motivated and self-disciplined as they complete projects and add work to their portfolio. At the end of the course, students are required to create and display a show of their work. Any approved student failing to create high quality artwork independently will be transferred into an available art class offered the same period.

**INSTRUMENTAL MUSIC****Band, Concert****Grades 9-12****1 credit**

Prerequisite: One year of middle or high school band experience, or private lessons.

This course is designed to meet the musical needs of intermediate level students. Literature performed will be primarily from grades III and IV. Members are required to participate in all Concert Band activities and performances. Performances include 3 or 4 scheduled concerts per year, basketball pep bands, and Graduation. Concert Band members may choose to participate in Marching Band, Jazz Band, Solo & Ensemble or any of several band clinics held throughout the year.

**Band, Symphonic****Grades 10-12****1 credit**

Prerequisite: Successful Audition

This course is designed to meet the musical needs of advanced level students. Literature performed will be primarily from grades V and VI. Members are required to participate in all Symphonic Band activities and performances. Performances include 3 or 4 scheduled concerts per year, basketball pep bands, and Graduation. Symphonic Band members must also attend Band Camp and participate in the Marching Band and attend the spring concert trip. They may choose to participate in Jazz Band, Solo & Ensemble, or any of several band clinics held throughout the year.

**Jazz Ensemble****Grades 9-12****1 credit**

Prerequisite: Must also be enrolled in concert band, symphonic band, or percussion ensemble.

This ensemble would perform at 4 concerts per year (one per quarter) and perform locally at 1-2 jazz festivals. The content includes jazz, funk, swing, rock, improv, and big band small ensemble playing.

**Music History/Theory****Grades 10-12****1 credit**

Prerequisite: Departmental test

This is a survey of styles, composers, and compositional techniques of western music.

## **Percussion Ensemble**

**Grades 9-12**

**1 credit**

Prerequisite: One year of middle or high school band experience or private lessons.

This course is designed to meet the needs of the intermediate and advanced level students. Literature performed will be primarily from grades V and VI. Members are required to participate in all Concert Band or Symphonic Band activities and performances. Performances include 3 - 4 scheduled concerts per year, basketball pep bands, marching band, Solos and Ensembles, spring trip and Graduation. Students may choose to participate in Jazz Ensemble and several band clinics held throughout the year. (These students would not be required to take either Concert Band or Symphonic Band during the regular academic day.)

## **VOCAL MUSIC**

### **Chamber Choir**

**Grades 9-11**

**1 credit**

Prerequisite: Audition with Choral Director

Chamber Choir is an auditioned, elite, small, vocal chamber ensemble. Students will learn advanced music reading skills and theory, advanced choral vocal techniques, be exposed to a wide variety of music repertoire for chamber ensemble from various historical periods and in foreign languages as well as English, have the opportunities to participate in festivals/competitions, and travel to performances representing CCHS.

### **Chorus**

**Grade 9**

**1 credit**

Students will be exposed to the basics of singing as well as the fundamentals of reading and writing music (i.e. Basic Music Theory). Other aspects of music appreciation will be brought into the course, possibly placing less emphasis on actual performance and allowing for training before entering Concert Choir or Select Choir. **Failure to participate in concerts and performances may result in loss of credit for the course.**

### **Concert Choir**

**Grades 10-12**

**1 credit**

Concert Choir is open to all students interested in vocal music. Students will be exposed to the basics of singing as well as the fundamentals of reading and writing music (i.e. Basic Music Theory). Other aspects of music appreciation will be brought into the course, possibly placing less emphasis on actual performance and allowing for training before entering Select Choir. **Choir students may be assigned to SA CHORUS (an all Female group), TB CHORUS (an all Male ensemble), or MIXED CHORUS as warranted.** Choral Music is offered as a full year or semester course. **Failure to participate in concerts and performances may result in loss of credit for the course.**

### **Select Choir**

**Grades 10-12**

**1 credit**

Prerequisite: Audition with Choral Director

***Note: Members of Select Choir will be expected to purchase a concert uniform, with ample fund-raising opportunities to defray the expense.***

This choir is a select group of high school singers determined by audition in the spring of the preceding year. Select Choir is an advanced level course that is intended for the more serious music student, since this Choir will be working on music of a more difficult and serious nature. Select Choir offers a wider range of performance opportunities (regional festivals and honors choirs, district and state competitions, local concert tours, and various other performances throughout our community and the Greater Cincinnati Area). **Failure to participate in concerts and performances may result in loss of credit for the course.**

### **Treble Choir**

**Grades 9-12**

**1 credit**

Prerequisite: Audition with Choral Director

Treble Choir is an auditioned choir for treble voices. Students will learn music reading skills and theory, choral vocal techniques for treble voices, be exposed to a wide variety of music repertoire for treble ensemble from various historical periods and in foreign languages as well as English, and have opportunities to participate in festivals/competitions.

## **DRAMA**

### **Acting Fundamentals**

**Grades 9–12**

**1 credit**

This course introduces the art and skills of acting. Students will participate in acting exercises and improvisation, and perform scenes and monologues. Students will also study the elements of drama and play analysis. This course is a foundation for further study of drama.

### **Drama**

**Grades 10–12**

**1 credit**

This course explores drama from an actor's perspective. Students will develop acting skills and will study elements and history of drama, play analysis, and production. Students will participate in advanced acting exercises and improvisation, perform scenes and monologues, and examine a wide variety of dramatic literature.

### **Film History and Appreciation**

**Grades 10-12**

**1 credit**

Prerequisite: Recommendation from English teacher

Students will develop an understanding and appreciation of the art of filmmaking. They will understand the elements of film as a method of storytelling related to theatre but unique to cinema. Students will know the history of film, understand the variety of genres of film, will know major influences in the area of filmmaking including specific films, directors, and actors. They will understand the variety of ways in which film affects and is affected by culture. The course will focus on transactive writing and critiquing films.

### **Musical Theatre**

**Grades 10-12**

**1 credit**

Recommendation: Choir and/or Acting Fundamentals

This course combines the study of drama, music, and dance and gives students an opportunity to perform works of musical theatre. They will develop an understanding and appreciation of musical theatre, its elements and history and will be able to analyze the genres within. This is a performance-based course.

### **Select Drama**

**Grades 10–12**

**1 credit**

Prerequisite: Successful Audition/Approval of Director

Select Drama is an advanced level course for a select group of students determined by audition in the preceding academic year. Members of this class will prepare for real-world auditions and performances; students will prepare several audition and competition monologues, as well as presentations for audiences throughout the district and community. Students will further develop skills of acting in advanced exercises and improvisation, and study challenging works of dramatic literature. This course may be repeated.

### **Stagecraft and Design**

**Grades 10-12**

**1 credit**

This course will introduce students to the technical aspects of theatrical productions. Students will learn the skills needed to construct scenery and hang and focus lighting instruments. Additionally, students will be introduced to scenic and lighting design for the theater. NOTE: Students will be instructed in the use of power tools for construction of scenery.

# FOREIGN LANGUAGE

## French I

Grades 9-12

1 credit

Prerequisite: Grade of C or better in English

At level 1 the development of the four basic language skills is stressed: listening comprehension, speaking, reading, and writing. Also emphasized are the structure of the language and the culture, customs, and traditions of the people whose language is studied.

## French II

Grades 10-12

1 credit

Prerequisite: Grade of C or better in French I

Level 2 continues to build the basic skills needed in grammar, listening, speaking, reading and writing. Emphasis continues on the culture, customs and traditions of the people whose language is studied.

## French III, Advanced

Grades 11-12

1 credit

Prerequisite: B or better in French II, or successful audition

**Note: Summer readings/activities are required prior to the beginning of class. You will not be allowed to change your schedule because you failed to do the summer work.**

The purpose of this course is to develop the grammar, reading, writing, speaking, and listening skills begun in the first two years. It is conducted primarily in French, and students are expected to respond in French. Most students enrolled in this course continue their studies in Advanced Placement French.

## French IV, AP

Grade 12

1 credit

Prerequisite: B or better in Advanced French or successful audition

**Note: Summer readings/activities are required prior to the beginning of class. You will not be allowed to change your schedule because you failed to do the summer work.**

The purpose of this class is to refine the skills acquired at earlier levels in grammar, listening, reading, speaking, and writing. The course is conducted in French and follows the guidelines of the College Entrance Examination Board. The culmination of the course of study is participation in the AP French Language exam administered in May. Successful completion of the exam may result in three to six hours of college credit at an undergraduate institution. **Students who do not take the AP exam will receive "advanced" weighting rather than AP weighting.**

## Spanish I

Grades 9-12

1 credit

Prerequisite: Grade of C or better in English

At level 1 the development of the four basic language skills is stressed: listening comprehension, speaking, reading, and writing. Also emphasized are the structure of the language and the culture, customs, and traditions of the people whose language is studied.

## Spanish II

Grades 10-12

1 credit

Prerequisite: Grade of C or better in Spanish I

Level 2 continues to build the basic skills needed in grammar, listening, speaking, reading and writing. Emphasis continues on the culture, customs and traditions of the people whose language is studied.

## Spanish II, Advanced

Grades 10-12

1 credit

Prerequisite: Grade of B or better in Spanish I

Level 2 continues to build the basic skills needed in grammar, listening, speaking, reading and writing. Emphasis continues on the culture, customs and traditions of the people whose language is studied.

## Spanish III, Advanced

Grades 11-12

1 credit

Prerequisite: B or better in Spanish II, or successful audition

**Note: Summer readings/activities are required prior to the beginning of class. You will not be allowed to change your schedule because you failed to do the summer work.**

The purpose of this course is to develop the grammar, reading, writing, speaking, and listening skills begun in the first two years. It is conducted primarily in Spanish, and students are expected to respond in Spanish. Most students enrolled in this course continue their studies in Advanced Placement Spanish.

**Spanish IV, AP****Grade 12****1 credit**

Prerequisite: B or better in Advanced Spanish or successful audition

***Note: Summer readings/activities are required prior to the beginning of class. You will not be allowed to change your schedule because you failed to do the summer work.***

The purpose of this class is to refine the skills acquired at earlier levels in grammar, listening, reading, speaking, and writing. The course is conducted in Spanish and follows the guidelines of the College Entrance Examination Board. The culmination of the course of study is participation in the AP Spanish Language exam administered in May. Successful completion of the exam may result in three to six hours of college credit at an undergraduate institution. ***Students who do not take the AP exam will receive "advanced" weighting rather than AP weighting.***

# **HEALTH AND PHYSICAL EDUCATION**

## **Community Health and Personal Fitness**

**Grades 9, 11, & 12**

**1 credit**

***Note: Students will be expected to perform 12 hours of community service outside of scheduled course times.***

The Community Health and Personal Fitness class gives students the opportunity to continue healthy habits throughout high school and their lifetime. This course is designed to introduce students to the opportunities of developing and continuing a personal fitness plan throughout the school year while extending their personal knowledge of health issues. Students will be in a classroom environment periodically while still having access to the gymnasium and other workout facilities. Some field trips will be scheduled throughout the school year. Students in this class will also be expected to perform 12 hours of community service outside of scheduled course times.

## **Introduction to Health & Physical Fitness**

**Grade 10**

**1 credit**

This course emphasizes physical, social, emotional, and mental well-being by exploring personality and life style choices, mental health, STDs, nutrition, substance use and abuse, social issues, CPR, first aid, and safety. The physical fitness portion of the curriculum stresses the physical and social phases of personal health. Each student is required to participate in fitness testing and assessment. Several lifetime sports will be reviewed/introduced, including tennis, softball, strength training, volleyball, basketball, and Frisbee sports.

***NOTE:*** Any student with a medical limitation who is able to participate in physical education classes must have a doctor's statement giving permission to participate. To be excluded from this class a doctor's statement confirming a disability must be presented each year. The disability exempts the student from earning the required credit in physical education.

## **Physical Education II**

**Grades 11-12**

**1 credit**

Prerequisite: Introduction to Health and Physical Fitness with an A or B average

The purpose of this class is to enhance the opportunity of each student to advance his/her level of fitness and knowledge of physical activities. Monday, Wednesday and Friday students will work on a variety of strength training theories throughout the course. On Tuesday and Thursday the students will work on the skills needed to retrain their new muscle fibers to do the fine motor skills needed to help them excel in their chosen physical activity. Students will be expected to research and create a fitness and strength-conditioning plan that will allow them to continue developing their fitness levels after the course is completed.

## **Physical Education III**

**Grade 12**

**1 credit**

Prerequisite: A or B average in Physical Education II

The purpose of this class is to enhance the opportunity of each student to advance his/her level of fitness and knowledge of physical activities. Monday, Wednesday and Friday students will work on a variety of strength training theories throughout the course. On Tuesday and Thursday the students will work on the skills needed to retrain their new muscle fibers to do the fine motor skills needed to help them excel in their chosen physical activity. Students will be expected to research and create a fitness and strength-conditioning plan that will allow them to continue developing their fitness levels after the course is completed. Students in this class will be required to teach and understand how to guide lifting routines and self-monitor their routines.

# LANGUAGE ARTS

## ENGLISH I

### English I

**Grade 9**

**1 credit**

This course provides students the opportunity to develop language arts abilities: reading, writing, speaking, and critical thinking. Students read and respond to a variety of types of literature and use the writing process to compose for a variety of purposes and audiences. Students refine their abilities to handle conventional matters of punctuation, spelling, and grammar usage within the context of their writing. Students begin the process of accumulating samples of their best writing for a working portfolio. **MAY REQUIRE ONE SUMMER READING.**

### English I, Advanced

**Grade 9**

**1 credit**

Prerequisite: A or B average in 8<sup>th</sup> grade Honors English, Proficient on Explore, and teacher recommendation

**Note: Summer readings/activities are required prior to the beginning of class. You will not be allowed to change your schedule to a lower level course because you failed to do the summer work.**

This advanced class provides the foundation for the Advanced Placement classes offered at the 11<sup>th</sup> and 12<sup>th</sup> grade level. This course will build skills in language expression, composition, and literature analysis and will provide more extensive reading requirements to challenge students.

## ENGLISH II

### English II

**Grade 10**

**1 credit**

Prerequisite: English I

This course provides students the opportunity to extend their language arts skills by reading, responding to and interpreting a variety of types of literature and journalistic writings. Students will continue to use the writing process to address a variety of audiences and topics. Students will continue to refine their writing ability to handle conventional matters of punctuation, spelling, and grammar usage. Students will learn to be critical readers of their own writing as they continue to select works for their working portfolio. **WILL REQUIRE ONE SUMMER READING AND CORRESPONDING ACTIVITIES.**

### English II, Advanced

**Grade 10**

**1 credit**

Prerequisite: Teacher recommendations for placement in this course will be based on a student's performance on state-mandated tests, common assessments, and/or a student's inclusion in the gifted and talented program.

**Note: Summer readings/activities are required prior to the beginning of class. You will not be allowed to change your schedule to a lower level course because you failed to do the summer work.**

This advanced class continues to provide the foundation for the Advanced Placement classes offered at the 11<sup>th</sup> and 12<sup>th</sup> grade. Students are offered opportunities for literary analysis, written expression, and extensive reading. Rigorous reading assignments, as well as continuing portfolio compilation, are integral parts of the course requirement.

## ENGLISH III

### English III

**Grade 11**

**1 credit**

Prerequisite: English II or English II, Advanced

This course provides students the opportunity to continue to develop their language arts skills using a survey of American literature as a core. Students will read and respond to a variety of fiction and nonfiction works by American authors as they develop an awareness of the rich tradition of the American literary experience. Students will continue to refine their writing skills while doing a research project and adding to their portfolio compilation. **WILL REQUIRE ONE SUMMER READING AND CORRESPONDING ACTIVITIES.**

### **English III, Advanced**

**Grade 11**

**1 credit**

Prerequisite: English II or English II, Advanced

**Note: Summer readings are required prior to the beginning of class. You will not be allowed to change your schedule to a lower level course because you failed to do the summer work.**

This course provides students the opportunity to develop competencies in language arts with special emphasis on preparing for college. Students will concentrate on the literary accomplishments of American writers as they refine their skills in literary analysis and written expression. Students will continue adding to their portfolio compilation.

### **AP English Language & Composition**

**Grade 11**

**1 credit**

Prerequisite: English II or English II, Advanced AND signed contract

**Note: Summer readings are required prior to the beginning of class. You will not be allowed to change your schedule to a lower level course because you failed to do the summer work. In addition, because this is a college-level class, it should be noted that literature and discussions will contain college-level themes, language, and subject matter.**

Concentrating on a survey of various literary genres, students in this course learn to implement the techniques of literary analysis and poetry explication as emphasized in the Advanced Placement criteria set by the College Board. Students will take the AP English Language and Composition test in May. **Students who do not take the AP exam will receive "advanced" weighting rather than AP weighting.**

### **Junior English Essentials**

**Grade 11**

**1 credit**

Prerequisite: Teacher placement

Students will work to prepare for demands of the real world. This course is based on student need and the need for additional help in reading and writing. Takes the place of English III.

## **ENGLISH IV**

### **English IV**

**Grade 12**

**1 credit**

Prerequisite: English III; English III, Advanced; or English III AP

This course provides students the opportunity to continue to develop their language arts skills using a survey of British literature as a core. Students will read and respond to a variety of works by British authors as they develop an awareness of the rich tradition of the English literary experience. Students will produce writing, which will be refined for inclusion in the district-mandated writing portfolio. **WILL REQUIRE ONE SUMMER READING AND CORRESPONDING ACTIVITIES.**

### **English IV, Advanced**

**Grade 12**

**1 credit**

Prerequisite: English III; English III, Advanced; or English III AP

**Note: Summer readings/activities are required prior to the beginning of class. You will not be allowed to change your schedule to a lower level course because you failed to do the summer work.**

This course provides students the opportunity to develop competencies in language arts with a focus on skills required for success in college. Students will concentrate on the literary accomplishments of British writers as they refine their skills in literary analysis and written expression. Students will explore literary movements more extensively by reading major works as a supplement to the survey. Students will produce writing, which will be refined for inclusion in the district-mandated writing portfolio.

**AP English Literature & Composition****Grade 12****1 credit**

Prerequisite: English III; English III, Advanced; or English III AP AND signed contract

**Note: Summer readings/activities are required prior to the beginning of class. You will not be allowed to change your schedule to a lower level course because you failed to do the summer work. In addition, because this is a college-level class, it should be noted that literature and discussions will contain college-level themes, language, and subject matter.**

Continuing a survey of various literary genres, this course explores universal themes and motifs found in literature. Writing becomes more specific and focused as students prepare for the Advanced Placement test given in May. Students have the opportunity to earn college credit based on the score achieved on the AP Test and will be expected to take the exam in May. **Students who do not take the AP exam will receive "advanced" weighting rather than AP weighting.** Students will produce writing to be refined for inclusion in the district-mandated writing portfolio.

**Senior English Essentials****Grade 12****1 credit**

Prerequisite: Teacher placement

Students will work to prepare for demands of the real world. This course is based on student need and the need for additional help in reading and writing. Takes the place of English IV.

**OTHER LANGUAGE ARTS****The Art of Thinking and Rhetoric****Grades 11-12****1 credit**

This Liberal Studies course will allow students to think critically regarding works of numerous classical, critical, philosophical, and theoretical authors. Students will delve deeper into understandings surrounding the literature, art, and speeches they study and then demonstrate that thinking.

**Communications Media****Grades 10-12****1 credit**

This course deals with production and use of radio and television equipment as well as the impact they have on society. This is a "hands-on" course. Operation of cameras, videotape recorders, and various other pieces of equipment are emphasized.

**Communications Media, Advanced****Grades 11-12****1 credit**

Prerequisites: A minimum of a "B" average in Communications Media, completed application (copies in Room A139), a resume that should include experiences and goals related to a career in Communications, and an audition (videotape or in person interview scheduled with instructor, Room A139).

Production and direction of programs are emphasized. Grades are performance based. Enrollment is limited.

**Special Projects in Communications Media****Grade 12****1 credit**

Prerequisite: Advanced Communications Media and approved application

This is a semester course designed to enable students an opportunity to use the skills they have acquired in Communications Media and Advanced Communications Media to produce a video yearbook and other lengthy video productions for the school and school system. Grades are performance-based.

**Creative Writing****Grades 10-12****1 credit**

Recommendation: Good typing skills

This class uses a writing workshop format to provide an opportunity to create and refine writing of various genres. Students will participate in both self-assessment and peer-assessment as they explore and apply techniques used by respected writers. Extensive writing is expected, therefore typing skills are a plus. Students will assist with the school's literary magazine, *Not So Subliminal Messages*.

**Journalism I****Grades 10-12****1 credit**

Prerequisite: Grade of B in previous English class

This course is designed to provide instruction and practical experience in journalistic skills -- planning, writing, editing, layout and publishing. Students will be responsible for publication of the school newspaper, so it should be expected that much of a student's grade will be determined by the writing of news stories. Must be dependable and trustworthy.

**Journalism II and III****Grades 11-12****1 credit**

Prerequisite: Grade of B in Journalism I (or Journalism II if taking it a third year)

This course is designed to further instruction and practical experience in journalistic skills -- planning, writing, editing, layout and publishing. Students will be responsible for not only writing copy but for editing the school newspaper.

**Oral Communications (Speech)****Grades 9-12****1 credit**

This course is designed to make students more comfortable when speaking in public, to increase self-understanding through communication, and to improve communication skills in a variety of contexts. Throughout the semester students will compose, deliver, and critique a number of speeches including informative, demonstrative, and persuasive speeches.

**Voyager I****Grade 9****1 credit**

Prerequisite: Teacher or administration recommendation

This course offers a flexible lesson format to integrate the reading process, comprehension, vocabulary, fluency, and writing. It serves as an intervention to provide students the necessary tools to become successful readers.

**Voyager II****Grade 10****1 credit**

Prerequisite: Teacher or administration recommendation

This course offers a flexible lesson format to integrate the reading process, comprehension, vocabulary, fluency, and writing. It serves as an intervention to provide students the necessary tools to become successful readers.

# **MATHEMATICS**

## **Advanced Math (Pre Calculus)**

**Grades 11-12**

**1 credit**

Prerequisite: Algebra II

Recommendation: C average or better in Algebra II

This course is intended as a final year of preparation for students planning to go to college and will prepare students for the ACT. It is recommended that any student considering a career in math, science, or business take this course. Topics include, but are not limited to: linear relations and functions, systems of equations and inequalities, nature of graphs, polynomials and rational functions, trigonometric functions, graphs of trigonometric functions, trigonometric equations and identities, vectors, polar coordinates and complex numbers, conics, exponential and logarithmic functions, sequences and series, combinatorics, probability, and statistics.

## **Advanced Topics in Mathematics**

**Grade 12**

**1 credit**

Prerequisite: Algebra 2

This course is designed to prepare students for the ACT and to explore non-traditional topics. Topics may include, but are not limited to: ACT standards, mathematics in nature, mathematics in business, and mathematics in construction.

## **Algebra I**

**Grade 9**

**1 credit**

This course is designed for students who are proficient in basic mathematics and have mastered pre-algebra skills. The objective of Algebra I is to develop skills in algebraic manipulation and strategies for problem solving. Placing an emphasis on concepts, structure and applications, including real world problem solving, will develop these algebraic skills. Algebraic concepts that are covered in this course include, but are not limited to: algebraic expressions, linear equations, graphs of linear functions, inequalities, polynomials, factoring, quadratic functions, radicals, and systems of equations.

## **Algebra I, Applied**

**Grade 9-10**

**1 credit**

The objective of Algebra I, Applied is to develop skills in algebraic manipulation and strategies for problem solving. Placing an emphasis on concepts, structure and applications, including real world problem solving, will develop these algebraic skills. Algebraic concepts covered in this course include, but are not limited to, algebraic expressions, linear equations, graphs of linear functions, inequalities, polynomials, inequalities, and systems of equations. The teaching strategies in this class are geared toward using math manipulatives, hands-on learning, and having more time on task.

## **Algebra II, Honors**

**Grades 10-11**

**1 credit**

Prerequisite: Honors Geometry or Geometry with Measurement

This is an intensive course emphasizing in-depth, abstract reasoning. Topics include, but are not limited to, solving equations and inequalities, systems of equations and inequalities, polynomials, quadratic functions, sequences and series, probability and statistics, polynomial functions of higher degree, rational expressions, exponential functions, matrices, trigonometry, and logarithms.

## **Algebra II with Data**

**Grades 11-12**

**1 credit**

Prerequisite: Geometry with Measurement

Recommendation: Geometry and Algebra I with a C average or higher

Emphasis is placed on mastering the core concepts covered on the Kentucky CATS test and preparing students for college and college entrance exams such as the ACT. In addition to expanding the mathematical concepts of Algebra I emphasis will be placed on the function concept and the algebraic solution of problems in various content areas. Topics include, but are not limited to, solving equations and inequalities, systems of equations and inequalities, polynomials, quadratic functions, sequences and series, probability and statistics, polynomial functions of higher degree, rational expressions, exponential functions, logarithms, and trigonometry.

## **Algebra II**

**Grade 12**

**1 credit**

Prerequisite: Data and Measurement

This course is designed for senior students who need an Algebra 2 math credit. Topics include, but are not limited to , solving equations and inequalities, systems of equations and inequalities, polynomials, quadratic functions, polynomial functions of higher degree, rational expressions, exponential functions, logarithms, and trigonometry.

**Calculus, Advanced Placement****Grade 12****1 credit**

Prerequisite: Geometry, Advanced, Algebra II, and Pre-Calculus

**Note: It is required that students completing this course take the AP exam.**

This course follows the curriculum established by the College Board and prepares students to take Advanced Placement examinations in Calculus AB. **Students who do not take the AP exam will receive "advanced" weighting rather than AP weighting.**

**Computer Programming****Grades 10-12****1 credit**

Prerequisite: Completion of or enrollment in an Algebra II course

This course is intended to prepare students for additional training involving computer programming. Principles of structured programming will be incorporated using the QBASIC language. Concepts of object-oriented programming will be explored using the Visual Basic environment. Emphasis will be placed on problem solving skills.

**Data & Measurement**

Prerequisite: Geometry or Geometry with Measurement

**Grade 11****1 credit**

This course is designed for students who require ample time to grasp mathematical concepts. Topics covered include, but are not limited to, triangle trigonometry, function analysis, solids, area, volume, sequences, probability, and statistics.

**Geometry, Honors****Grades 9-10****1 credit**

Prerequisite: Algebra I

Recommendation: Algebra I, Advanced or Teacher Recommendation

This course is designed for those who plan to take calculus. This course includes the skills and concepts of Geometry and Measurement, but differs in the approach to and rigor of formal proof and abstract mathematical concepts. This course is a prerequisite for students planning to take AP Calculus.

**Geometry with Measurement****Grade 10****1 credit**

Prerequisite: Algebra I

Recommendation: C average or higher in Algebra 1

This course is designed for students who have a solid foundation of algebra 1 skills and who quickly grasp mathematical concepts. Geometric topics covered include, but are not limited to: geometric constructions, inductive and deductive reasoning, proofs, points, lines, planes, angles, triangles, plane figures, similarity, congruence, circles, geometric solids, area, volume, coordinate geometry and transformations.

**Geometry****Grade 10****1 credit**

Prerequisite: Algebra I

This course is designed for those students who require ample time to grasp mathematical concepts. Geometric topics covered include, but are not limited to: points, lines, planes, angles, triangles, plane figures, similarity, congruence, circles, coordinate geometry and transformations. Many activities involving real-world applications are incorporated into the class. NOTE: STUDENTS MUST TAKE DATA & MEASUREMENT THE FOLLOWING YEAR.

# **SCIENCE**

## **Anatomy and Physiology**

**Grades 11-12**

**1 credit**

Prerequisite: Ninth and tenth grade science

Recommendation: B average or higher in English, Math and Science courses

Anatomy and Physiology is a course designed to give the student a more complete knowledge of the structures of the human body and how they work. Students who plan on entering the professional fields of cosmetology, dentistry, medicine, nursing, pharmacy, hospital lab technology, or science education should take this course. The class is conducted in a manner in which presentation of detailed information is followed by laboratory activities (including dissection). Anatomy is a required class for all nursing programs.

## **Biology**

**Grade 10**

**1 credit**

Biology is the study of the living environment with a somewhat less technical approach. Effort is made toward developing a serious interest in the natural environment. The course begins with the study of simple organisms and progresses toward the more complex. The following subject areas are included in the course: the cell, classification, genetics, and ecology. These areas are approached from a practical standpoint with local application supplemented. An overview of the living world is provided in this course.

## **Biology, Advanced**

**Grade 10**

**1 credit**

Prerequisite: Ninth grade science

Recommendation: B average or higher in English, Math and Science courses

Advanced biology provides students the opportunity to learn about their environment, themselves and the relationship between the two. The course begins with the study of simple organisms and progresses toward the more complex. There is more of an emphasis on genetics, organic chemistry, independent projects, writing skills, and content quality as compared to Basic Biology. Students should be strong in math, be well organized, and be good, independent, motivated learners.

## **Biology II, Advanced Placement**

**Grades 11-12**

**1 credit**

Prerequisite: Ninth and tenth grade science, completion of or enrollment in Chemistry I

Recommendation: Students must be able to read well, take notes, work independently, and have good organizational skills.

***Note: Summer work required.***

This is a college-level class that will prepare students for taking the AP Biology Exam. It requires a large amount of lab work, which will, at times, necessitate extra time beyond the regular school day. Topics include studying the five Kingdoms, cytology, genetics, biochemistry, and plant and animal physiology.

## **Chemistry I**

**Grades 11-12**

**1 credit**

Prerequisite: Ninth and tenth grade science and Algebra I

Chemistry I offers pupils general laboratory experiences and activities in the concepts of chemistry through the study of the composition of substances and of their effects upon one another.

General Objectives:

1. To present the basic principals of Chemistry: measuring and calculation, matter, chemical formulas, moles, periodic properties, chemical bonding, molecular structure, polar molecules, equations, stoichiometry, atomic structure, electron probability, periodic table, kinetic theory, solids, liquids, gases, solutions, colligative and colloidal properties, chemical equilibrium, acid, base, salt, electrolysis.
2. To develop critical thinking by the use of lab experiments and activities.

## **Chemistry I, Advanced**

**Grades 11-12**

**1 credit**

Prerequisite: Advanced Integrated science and/or Advanced Biology

This course covers the same materials as Chemistry I in greater detail. The pace is accelerated, and more emphasis is placed on labs and independent thinking.

**Chemistry I, Applied****Grades 11-12****1 credit**

Prerequisite: Ninth and tenth grade science

This chemistry course will meet the pre-college curriculum. It will cover topics including, but not limited to, the scientific method, measurement, composition and properties of matter, atomic structure, chemical bonding, the periodic table, chemical reactions, and energy. The class will utilize a less mathematically oriented approach than Chemistry I.

**Chemistry II, Advanced Placement****Grade 12****1 credit**

Prerequisite: Chemistry I or Advanced Chemistry

**Note: Summer work required. Also requires after-school time (one day per week) for laboratory work.**

This is a college level course that will prepare students for taking the AP Chemistry Exam. Chemistry II, AP offers pupils advanced level and enrichment experiences in concepts involving chemical changes of matter. Advanced-level laboratory techniques are developed to further the pupil's ability to pursue a chemical science related career.

**Crime Scene Science/Criminal Justice****Grades 10-12****1 credit**

These two courses are paired to form a full credit elective course with **½ credit awarded in science and ½ credit awarded in social studies.**

- In Crime Scene Science students will develop critical thinking skills, lab procedures, and scientific content to see science through the eyes of the crime scene investigator. By stepping into the role of crime scene investigator students will experience numerous scientific strategies and skills such as experimentation, analysis of unknown mixtures, careful collection of evidence, DNA analysis, skeletal structure, characteristics of hair and skin, and soil composition.
- Criminal Justice is designed as a survey course similar to those of the same topic taught at many major universities. In this course students will be exposed to the three major components of the criminal justice system – the police, the courts, and corrections. Students will examine the current issues and stresses on the criminal justice system and will examine a wide variety of associated careers. Students will begin to gain an appreciation of the complexity of the criminal justice system and the modern options/theories available for analyzing the organization of the criminal justice system.

**Integrated Science****Grade 9****1 credit**

This course offers a series of introductions to the major fields in physical science. Generally, the three main areas of coverage are: 1) Chemistry, which includes the scientific method, structure and properties of matter, atoms, and chemical reactions, 2) Physics, which includes motion, forces, energy, and waves, and 3) Earth Science, which includes geology, astronomy, meteorology, and oceanography.

**Medical Terminology and Disease****Grades 11-12****1 credit**Prerequisite: 9<sup>th</sup> and 10<sup>th</sup> grade science courses and successful completion of or current enrollment in Anatomy and Physiology.

Recommendations: Excellent study habits, at least a "B" average in core subjects.

This class is designed for very motivated students who are interested in entering a medical or health related field. Body systems will be reviewed and diseases that affect the body will be examined. Emphasis will be placed on terminology (prefixes, root words, suffixes) related to the human body and disease. Home computer access is **required**. Textbooks **must** be purchased.

**Microbiology****Grades 11-12****1 credit**

Prerequisite: Ninth and tenth grade science and completion of or enrollment in Chemistry I

This class uses laboratory investigations and discussions for the motivated student to learn about the world of microorganisms: the fungi, algae, protozoa, viruses, and bacteria. Students must be able to write lab reports as well as work individually and in small groups using scientific equipment. Microbiology is a required class for nursing programs.

**Physics****Grade 12****1 credit**

Prerequisite: Algebra II and Chemistry I

This course is geared toward students who will need to complete some type of physics or advanced physical science on the college level. The main objective will be to study "Physics" which can be defined as the study of the interrelationships between matter and energy. Topics to be covered are measurement, resolution of vector quantities, force, motion, work and power, energy, heat, light, optics, and sounds. Electricity may be studied if time permits. Problem solving will be stressed.

**Zoology/Environmental Science****Grades 11-12****1 credit**

Prerequisite: Biology

This is a linked pair of science courses.

- Zoology is a lab course designed to study the diversity of animal life with more depth than the sophomore general biology course allows. The course will include classification of animal phyla, comparative anatomy and dissection, animal systems and activity, and the study and observation of live laboratory animals. Students will also conduct a field research project investigating animal behavior.
- Environmental Science is an interdisciplinary class that seeks to provide students with the scientific skills and knowledge needed to understand the problems caused by our human use of the natural world. Through lab, field investigations, and library research, students will investigate how technology, sciences, and social sciences must work together in resolving and preventing environmental problems.

# **SERVICE LEARNING**

## **Peer Tutoring**

**Grade 11 & 12**

**1 credit**

Prerequisite: Application Approval

### **Special Needs**

This course is designed to educate students about persons with moderate and severe mental disabilities. The anticipated outcome is to bring about positive attitude changes in the peer tutors and in other students within our school. Students thinking about a career in education may benefit from this course. In-class work will consist of direct experience as a teacher assistant in the Life Skills Center. The course content will be covered independently by the student with a project and test for each of the assigned modules.

### **Math**

Prerequisite: Completion of Algebra II

Recommendation: Grade of A in Algebra II

This course is designed for the outstanding math student who exhibits an interest in providing tutoring services to Algebra and Geometry students during the course of the school day. Faculty will supervise and evaluate the student based upon a writing component and an evaluation tool.

## **School Ambassador**

**Grades 11 (dual credit students ONLY) & 12**

**0 credit**

Prerequisite: G.P.A. of 2.0, cumulative, or higher; cannot have any class failures for previous year; must have 97% or higher attendance rate for previous year; and cannot have any discipline referrals. Must fill out application, which is available in guidance.

This course is designed for students who exhibit an interest in providing services that support student learning, service to school operations and organization, services related to technology operations, business related services including word processing, office machines and communication projects, and the development and expansion of parental/community involvement projects. Students will be assigned to service projects based on the student's interests and skills and the school's service area needs. A teacher or other staff member will supervise students. This course can only be taken once.

# **SOCIAL STUDIES**

## **American History on the Screen/Historical Debate    Grades 11-12                    1 credit**

One semester of this course (American History on the Screen) will look at American history in movies. Through the prism of the movies, American history and culture will be studied and analyzed. The major focus of the course will be on the similarities and differences between fact and fiction. Analytical and evaluative skills are a must for success in this course. Also, class discussion and writing skills are mandatory for success in this course, as the overwhelming majority of the course will center on these two activities. Parental permission will be required for this course due to the violent nature of some of the selected movies.

The other semester of this course will focus on major issues of the world through the use of debate. Basic debate format will be taught in the first week, while the remainder of the course will focus on major topics of debate. Students will complete an extensive amount of research and preparation for each debate. Writing is a major component of the course, as students will be required to complete essay writing, note cards, etc. Moreover, a basic ability to actively participate (public speaking) is necessary for success in the course. Judging will hopefully come from teachers, administrators, clergy, business and community leaders, etc.

**Crime Scene Science/Criminal Justice** – See course description in “Science” section.

## **Eastern Civilization/Minority America    Grades 10-12                    1 credit**

One semester of this course will focus on Eastern Civilizations and will provide students with the opportunity to learn about the history of the non-Western World, from ancient civilizations to the present. The course will use primary source material, a variety of texts, guest speakers, and technology as part of the daily course. Students will look at three major areas of the world: India and the Middle East, Africa, and the Orient.

The other semester of this course will focus on American History through the eyes of two major minority groups: Women and African-Americans. The first part of the course will cover major events in Women’s History, while part two of the course will look at African-American History. Both sections are designed to give students an understanding and appreciation of the two groups throughout American History. Primary sources, technology, guest lectures, and/or field trips are part of the course. Students are expected to be able to analyze and evaluate various periods of American History.

## **International Politics/American Government & Politics Today    Grades 11-12                    1 credit**

Prerequisite: World Civilizations and Introduction to Social Studies

With our world growing ever more politically and economically interdependent it is vital that our students know and understand the international political situation, and how this has changed and will likely change in the future. Students should be familiar with the major political “hotspots” in the world that will affect us. As an ever higher percentage of our students will work for companies that do business overseas, study abroad in college, or work in federal government agencies, understanding international politics is a must. This course is designed to be an excellent follow-up and extension to the World Civilizations and US History courses. We will also compare the US political system to others from around the world. This course also serves as a valuable college-prep course for Comparative Politics.

American Government & Politics Today is a study of the concepts of democracy and an in-depth look at the governmental structure of the United States at the federal, state, and local levels. Students will explore the purpose of government and will examine how various governments meet the needs of the people. Students will examine the duties, responsibilities, and individual roles of citizens in a democracy, as well as prepare themselves to become contributing members of American society. Students will also work to develop their awareness of the ever-changing world around them.

## **Introduction to Social Studies    Grade 9    1 credit**

Introduction to Social Studies serves as an introduction to the studies of American and World History. In this course students are exposed to the social science structures that provide a framework for historical context. Students utilize a comparative approach to studying government systems, economic systems, cultural impacts and geographical elements to examine world regions. The first half of the course focuses on these aspects of the United States, allowing students to create a framework for later comparison with other world regions. The students will also explore the regions of Southwest Asia (the Middle East), East Asia (China and Japan), the Indian Subcontinent, Africa, and Latin America.

**Kentucky Studies/Modern American History & Popular Culture****Grades 11-12****1 credit**

Kentucky Studies should make Kentuckians aware of the historical and cultural forces that have influenced the people and institutions of the Commonwealth. Report writing and library skills are also emphasized. This class will require assigned readings, writings, quizzes, worksheets, and a comprehensive unit test.

Modern American History & Popular Culture will be an extensive study of modern history from 1950 to the present, using the transition of decades as its foundation. Students will also examine popular culture as a reflection of the individuals and historical events studied, in order to better understand the connection between the two. The class will utilize a variety of formats and students will be expected to complete projects and assignments to facilitate discussion since class will be presented in a seminar format.

**Psychology/Sociology****Grades 11-12****1 credit**

Psychology is the systematic study of individual behavior and human mental processes. It studies both cognitive aspects of the mind and the affective aspect or how humans feel about their experiences. How individuals perceive, learn, react, and relate to each other and to themselves are major aspects of psychology. Psychological knowledge has enhanced the ability of humans to modify and organize behavior. Psychology also has demonstrated the importance of attitudes, feeling, and values in determining human behavior.

Sociology is the scientific study of human society. The study of sociology consists of trying to understand the basic units and institutions of social life, such as family, schools, neighborhoods, rural and urban communities, and the many other kinds of groups with which humans identify. The sociological perspective focuses on how social relationships arise, why they persist, why antagonisms develop, and how they maintain social order to contribute to social change.

**U.S. Government and Politics, Advanced Placement****Grade 12****1 credit**

Prerequisite: U.S. History with recommendation from teacher

***Note: Summer readings are required prior to the beginning of class. You will not be allowed to change your schedule to a lower level course because you failed to do the summer work.***

This course will develop an analytical perspective on government and politics in the United States. In addition it requires students to become familiar with the various institutions, groups, beliefs, and ideas that constitute U.S. politics. Students will be required to read extensively from a variety of sources, from which they will become acquainted with a variety of theoretical perspectives and various behaviors and outcomes associated with political ideologies. In addition, students will be required to respond to Document-Based Questions (DBQs). The daily routine of the course will include any one or all of the following: lecture, analytical writings, and, from time to time, class discussions incorporating relevant current political happenings. In addition to frequent writing drills, homework and individual analysis of political theories are an essential part of the class. ***Students who do not take the AP exam will receive "advanced" weighting rather than AP weighting.***

**U.S. History****Grade 11****1 credit**

The United States History course should serve as a capstone to the study of America's history. The course starts with reconstruction and works its way to the present, looking at the forces that shaped and continue to shape our political, economic, and social institutions. The course will focus on the aspects of economics, government, and geography as well as America's interaction with other nations and cultures.

**U.S. History, Advanced****Grade 11****1 credit**

Prerequisite: Advanced World Civilization with recommendation from teacher

The United States History course should serve as a capstone to the study of America's history. The course starts with reconstruction and works its way to the present, looking at the forces that shaped and continue to shape our political, economic, and social institutions. The course will focus on the aspects of economics, government, and geography as well as America's interaction with other nations and cultures. Students will be required to read extensively and apply additional analysis to various points of American history. The pace of study will be accelerated and there will be an increased emphasis on outside readings and sources provided by the instructor.

**U.S. History, Advanced Placement****Grade 11****1 credit**

Prerequisite: Advanced World Civilization with recommendation from teacher

***Note: Summer readings are required prior to the beginning of class. You will not be allowed to change your schedule to a lower level course because you failed to do the summer work.***

This course is a national program in cooperation with the College Board to offer students the opportunity to complete college-level studies while in high school. College hours may be earned if students score high enough on the AP U.S. History exam. This course prepares students for intermediate and advanced college courses by making demands on them equivalent to those made by full-year introductory college courses. The course will track American History from the age of exploration to the present. Students will be required to read extensively. All exams will include objective and subjective (essay) questions. Students will be required to respond to document-based questions (DBQ's). The daily routine of the class will be lecture, making note-taking skills vital for success. Frequent writing drills, homework, and individual analysis of various points of American History are an essential part of the class. ***Students who do not take the AP exam will receive "advanced" weighting rather than AP weighting.***

**Wars of America****Grades 11-12****1 credit**

This course will explore the development of the United States throughout its 200-plus year history by looking primarily at American involvement in war. The focus of the course will be on the causes of individual wars, the events that took place, and the effects/impacts on the United States. A wide variety of materials will be used for the course, including technology, primary and secondary sources, military artifacts, guest speakers, and outside field trips. Students will be required to not only understand basic knowledge of various wars, but they also must show analytical skills as well.

**World Civilization****Grade 10****1 credit**

This course will focus on World Civilizations and will provide students with the opportunity to learn about the history of the world with an introduction to the ancient world and an emphasis on history from the Renaissance to the modern world. The course will allow students to trace the development of the world's economic systems, examine how the geography of the world has influenced its development, and explore how diverse cultures have emerged.

**World Civilization, Advanced****Grade 10****1 credit**

This course will focus on World Civilizations. This will provide students with the opportunity to learn about the history of the world with an introduction to the ancient world and an emphasis placed on history from the Renaissance to the modern world. The course will allow students to trace the development of the world's economic systems, examine how the geography of the world has influenced its development, and explore how diverse cultures have emerged. Students will be required to read extensively and apply additional analysis to various points of World history. The pace of study will be accelerated and there will be an increased emphasis on out of class readings and resources.

# **CHARLES E. McCORMICK AREA TECHNOLOGY CENTER PROGRAMS**

The courses listed below are designed as two-year programs of study. Students will be responsible for purchasing any supplies which will be required for use in the class, i.e. safety glasses, drafting kits, workbooks, etc. Students will also be responsible for paying a program fee. Students will spend three hours per day at the ATC. If you are interested in learning more about any of the programs, please contact your guidance counselor or the area technology center at (859) 635-4101.

**All courses require a counselor's signature and are limited to 11<sup>th</sup> and 12<sup>th</sup> graders.**

**Auto Body Repair** - This program provides instruction in all phases of automobile body and fender repair and refinishing. Instruction extends from repair of small dents to the complete rebuilding of wrecked or damaged vehicles. This program is certified by the National Institute for Automotive Service Excellence. The cooperative education program is available as part of this course.

## **First Year - 4 credits**

1 <sup>st</sup> quarter	Introduction to Auto Body	ABR 100	.5 credit
	Workplace Principles	WPP 200	.5 credit
2 <sup>nd</sup> quarter	Non-structural Repair I	ABR 130	1 credit
3 <sup>rd</sup> quarter	Painting & Refinishing I	ABR 150	1 credit
4 <sup>th</sup> quarter	Painting & Refinish Lab I	ABR 151	1 credit

## **Second Year - 3 credits + 1 science credit**

1 <sup>st</sup> quarter	Non-structural Repair II	ABR 131	1 credit
2 <sup>nd</sup> quarter	Painting & Refinishing II	ABR 150	1 credit
3 <sup>rd</sup> quarter	Painting & Refinish Lab II	ABR 151	1 credit
4 <sup>th</sup> quarter	Special Projects I	ABR 291	1 credit

**Automotive Technology** - This program provides the fundamentals of all the systems incorporated within today's automobile. Tools and equipment from the most basic hand tools to state-of-the-art diagnosis instruments are presented with each related segment of the program. This program is certified by the National Institute for Automotive Excellence. The cooperative education program is available as part of this course.

## **First Year - 3 credits + 1 science credit**

1 <sup>st</sup> quarter	Brake Systems	AUT 110	.5 credit
	Brake Systems Lab	AUT 111	.5 credit
2 <sup>nd</sup> quarter	Suspension & Steering	AUT 160	.5 credit
	Suspension & Steering Lab	AUT 161	.5 credit
3 <sup>rd</sup> quarter	Basic Auto Electricity	ADX 120	.5 credit
	Basic Auto Electricity Lab	ADX 121	.5 credit
4 <sup>th</sup> quarter	Climate Controls	ADX 170	.5 credit
	Climate Controls Lab	ADX 171	.5 credit

## **Second Year - 3 credits + 1 math credit**

1 <sup>st</sup> quarter	Electrical Systems	ADX 260	.5 credit
	Electrical Systems Lab	ADX 261	.5 credit
2 <sup>nd</sup> quarter	Engine Repair	ADX 150	.5 credit
	Engine Repair Lab	ADX 151	.5 credit
3 <sup>rd</sup> quarter	Basic Fuel & Ignition	AUT 140	.5 credit
	Basic Fuel & Ignition Lab	AUT 141	.5 credit
4 <sup>th</sup> quarter	Computer Control & Diagnosis	AUT 240	.5 credit
	Computer Control & Diagnosis Lab	AUT 241	.5 credit

**Carpentry** - This program provides training in residential construction. Students will have the opportunity to obtain the skills and knowledge pertinent to site layout, foundation work, rough framing, roof framing, and roofing. Practice of the skills learned often occurs at "job sites" away from school. The cooperative education program is available as part of this course.

**First Year - 4 credits**

1 <sup>st</sup> quarter	Introduction to Construction	CAR 126	.5 credit
	Introduction to Construction Lab	CAR 127	.5 credit
2 <sup>nd</sup> quarter	Floor & Wall Framing	CAR 190	.5 credit
	Floor & Wall Framing Lab	CAR 191	.5 credit
3 <sup>rd</sup> quarter	Ceiling & Roof Framing	CAR 196	.5 credit
	Blueprint Reading	BRX1 20	.5 credit
4 <sup>th</sup> quarter	Ceiling & Roof Framing Lab	CAR 197	.5 credit
	Fundamentals of Math	MTH 100	.5 credit

**Second Year - 3 credits + 1 geometry or math credit**

1 <sup>st</sup> quarter	Construction Forms	CAR 150	.5 credit
	Construction Forms Lab	CAR 151	.5 credit
2 <sup>nd</sup> quarter	Site Layout & Foundations	CAR 140	.5 credit
	Site Layout & Foundations Lab	CAR 141	.5 credit
3 <sup>rd</sup> quarter	Industrial Safety	ISX 100	.5 credit
	Blueprint Reading	BRX 220	.5 credit
4 <sup>th</sup> quarter	Interior & Exterior Finish	CAR 200	.5 credit
	Interior & Exterior Finish Lab	CAR 201	.5 credit

**Computer-aided Drafting** - Drafting is the recording and conveying of engineering information in the form of accurate working drawings used to manufacture a part of a product. Students develop skills in lettering, geometric construction, orthographic projections, and dimensioning, and utilize these skills in the application of conventional drafting practices. This course includes an introduction to machine design, architectural design, and computer-aided drafting (CAD). The cooperative education program is available as part of this course.

**First Year - 4 credits**

1 <sup>st</sup> quarter	Drafting Fundamentals	DFT 102	1 credit
2 <sup>nd</sup> quarter	Engineering Graphics	DFT 112	1 credit
3 <sup>rd</sup> quarter	Introduction to CAD	DFT 112	1 credit
4 <sup>th</sup> quarter	Introduction to Architecture	ADFT 130	1 credit

**Second Year - 3 credits + 1 math credit**

1 <sup>st</sup> quarter	Industrial Drafting Processes	DFT 212	1 credit
2 <sup>nd</sup> quarter	Architectural Design	ADFT 240	1 credit
3 <sup>rd</sup> quarter	Construction Drafting Techniques	ADFT 230	1 credit
4 <sup>th</sup> quarter	Intermediate CAD	DFT 152	1 credit

**Electrical Technology** - The Electrical Technology program focuses on preparing students for entry-level electrician positions in industry and the building trades. Electrical Technology provides experiences in layout, assembly, installation, testing, maintenance of electrical circuits and apparatus, and residential wiring. Training involves electrical theory and electrical codes current in industry. The cooperative education program is available as part of this course.

**First Year - 3 credits + 1 math credit**

1 <sup>st</sup> quarter	Circuits I	ENGT 110/111/113	1 credit
2 <sup>nd</sup> quarter	Electrical Construction I	EET 154	.5 credit
		EET 155	.5 credit
3 <sup>rd</sup> quarter	Sustainable Energy Systems	ENM 130/131	1 credit
4 <sup>th</sup> quarter	Renewable Energy Systems	ENM 140/141	1 credit

**Second Year - 3 credits + 1 science credit**

1 <sup>st</sup> quarter	Circuits II	ENGT 114/115/117	1 credit
2 <sup>nd</sup> quarter	Electrical Construction II	EET 252	.5 credit
	Electrical Construction II	EET 253	.5 credit
3 <sup>rd</sup> quarter	Workplace Principles	WPP 200	.5 credit
	Fiber Optic Systems	EET 116	.5 credit
4 <sup>th</sup> quarter	Basic Troubleshooting	BTX 105	.5 credit
	Special Problems I	EET 281	.5 credit

**Health Sciences**

**First Year - 3 credits + 1 science credit**

This program provides instruction by a Registered Nurse for students interested in the allied health fields. Students study anatomy and physiology, medical terminology, basic medical skills and are certified in CPR and first aid. Hospital and nursing home affiliations provide clinical experience for students.

1 <sup>st</sup> quarter	Introduction to Health Science	HEA 102/WPP 220	1 credit
2 <sup>nd</sup> quarter	Medicaid Nurse Aid/Practicum	MNA 100	1 credit
3 <sup>rd</sup> quarter	MNA with Practicum	MNA 100/HEA 198	1 credit
4 <sup>th</sup> quarter	Basic Anatomy & Physiology	HEA110	1 credit

**Second Year - 3 credits + 1 math credit**

The second year program is available to students who meet requirements and have approval of the Health Sciences instructor. The second year includes actual work experience in the student's field of interest.

1 <sup>st</sup> quarter	Emergency Procedures	SFA 100/CPR 100	.5 credit
	Medical Terminology	AHS 120	.5 credit
2 <sup>nd</sup> quarter	Infection Control	AHS 130	1 credit
3 <sup>rd</sup> quarter	Health & Wellness	AHS 100	1 credit
4 <sup>th</sup> quarter	Dosage Calculations	MAI 170	1 credit

**Information Technology** - This program provides instruction in all phases of computer hardware and software. Students will develop skills in upgrading, configuring operating systems and hardware, basic troubleshooting, printer technology, and Cisco Networking. This course will help prepare students to take standard industry certification tests.

**First Year - 4 credits**

1 <sup>st</sup> quarter	Introduction to Geographical Information	IT 160	1 credit
2 <sup>nd</sup> quarter	GIS Software Tools	IT 260	1 credit
3 <sup>rd</sup> quarter	PC Essentials	IT 104	1 credit
4 <sup>th</sup> quarter	PC Field Tech	IT 204	1 credit

**Second Year - 3 credits + 1 science credit**

1 <sup>st</sup> quarter	Operating System Support	IT 210	1 credit
2 <sup>nd</sup> quarter	Network Core Technologies	NIS 160	1 credit
3 <sup>rd</sup> quarter	Network hardware Installation	NIS 270	1 credit
4 <sup>th</sup> quarter	Cisco Internetworking I	IT 120	1 credit

**Masonry** - This program prepares students for employment primarily in the areas of bricklaying, stone masonry, and concrete work. Related subjects such as blueprint reading, mathematics, and employability skills are also included. Practice of the skills learned often occurs at "job sites" away from school. The cooperative education program is available as part of this course.

**First Year - 4 credits**

1 <sup>st</sup> quarter	Introduction to Masonry	MAS 105	1 credit
2 <sup>nd</sup> quarter	Intermediate Masonry	MAS 115	1 credit
3 <sup>rd</sup> quarter	Industrial Safety	ISX 100	.5 credit
	Workplace Principles	WPP 200	.5 credit
4 <sup>th</sup> quarter	Masonry Lab	MAS 215	1 credit

**Second Year - 3 credits + 1 math credit**

1 <sup>st</sup> quarter	Concrete Finishing	MAS 250	1 credit
2 <sup>nd</sup> quarter	Anchors & Reinforcement	MAS 245	1 credit
3 <sup>rd</sup> quarter	Advanced Masonry	MAS 205	1 credit
4 <sup>th</sup> quarter	Special Problems III	MAS 291	1 credit

**Welding** - This program provides instruction in oxyacetylene cutting, oxyacetylene welding, shielded metal arc welding, gas tungsten arc welding, gas metal arc welding, brazing, soldering, and blueprint reading. Techniques in fabrication and assembling metal parts are also part of this course. The cooperative education program is available as part of this course.

**First Year - 3 credits + 1 science credit**

1 <sup>st</sup> quarter	Industrial Safety	ISX 100	.5 credit
	Workplace Principles	WPP 200	.5 credit
2 <sup>nd</sup> quarter	Oxy-fuel Systems	WLD 100	.5 credit
	Cutting Processes	WLD 110	.5 credit
3 <sup>rd</sup> quarter	Shielded Metal Arc Welding	WLD 120	.5 credit
	Shielded Metal Arc Welding Lab	WLD 121	.5 credit
4 <sup>th</sup> quarter	Blueprint Reading	WLD 170	.5 credit
	Blueprint Reading Lab	WLD 171	.5 credit

**Second Year - 3 credits + 1 math credit**

1 <sup>st</sup> quarter	Gas Metal Arc Welding	WLD 140	.5 credit
	Gas Metal Arc Welding Lab	WLD 141	.5 credit
2 <sup>nd</sup> quarter	Gas Tungsten Arc Welding	WLD 130	.5 credit
	Gas Tungsten Arc Welding Lab	WLD 131	.5 credit
3 <sup>rd</sup> quarter	Welding Certification	WLD 220	.5 credit
	Welding Certification Lab	WLD 221	.5 credit
4 <sup>th</sup> quarter	Shielded Metal Arc Groove	WLD 123	.5 credit
	Gas Metal Arc Welding Groove Lab	WLD 143	.5 credit

# Certificates Available From Kentucky Technical Schools

## C.E. McCormick ATC

<b><i>Program</i></b>	<b><i>Certificate</i></b>	<b><i>O*NET Code</i></b>
Auto Body Repair	Auto Body Helper	49302100B1
	Auto Body Helper – Plastic & Adhesives	49302100B2
	Auto Body Helper – Structural	49302100B3
	Auto Body Painter Helper	49302100B4
Automotive Technology	Auto Specialty Technician – Air Conditioning	49302302-1
	Auto Specialty Technician – Brakes	49302302-2
	Auto Specialty Technician – Front End	49302302-3
	Auto Specialty Technician – Transmission	49-3023.01
	Auto Specialty Technician – Tune Up	49302302-5
	Ground Transportation Electrician	49302302-4
	Small Engine Mechanic – Automotive	49302302-6
Carpentry	Carpenter Helper	4730120001
	Constructions Forms Helper	4720310201
	Residential Roofer	47-2181.00
	Residential Site Layout Assistant	4730120002
	Rough Carpenter	4720310202
Computer Aided Drafting	Advanced CAD Drafter	17301999-1
	Architectural CAD Detailer	17-3011.11
	Architectural Drafting Assistant	17-3011.11
	Assistant Detailer	17301999-2
	CAD Assistant	17301999-3
	CAD Drafter	17301999-4
	Detailer	17301999-6
Electrical Technology	Electrician Apprentice	4721110001
	Electrician Helper	47-3013.00
	Residential Electrician	4721110002
Health Sciences	Health Careers Core I	66008-1
	Health Careers Core II	66008-2
	Health Science Skills	66008-3
	Health Science Skills – Child Care Worker	399011-1
	Health Science Skills – Dental Assistant	399011-2
	Health Science Skills – Dietetic Technician	399011-3
	Health Science Skills – Dispensing Optician	292081
	Health Science Skills – Medical Assistant	319092
	Health Science Skills – Personal/Home Care Aide	399021
	Health Science Skills – Pharmacy	399011-4
	Health Science Skills – Psychiatric Aide	399011-5
	Health Science Skills – Physical Therapy	399011-6
	Health Science Skills – Veterinary Assistant	319096
	Health Science Skills – Kentucky Medication Aide	66008-4
	Medicaid Nurse Aide	66008-5
	MNA	66008-6

<b>Information Technology</b>	Cisco Networker I	85599A-1
	Cisco Networker II	85599A-2
	Computer Networking Trainee I	85599A-3
	Computer Networking Trainee II	85599A-4
	Electronic Computer Repair Trainee	85599A-5
	Electronic PC Repair and Cisco Networker	85599A-6
	Electronic PC Repair and Nortel Networker	85599A-7
	Internet Developer	15-1099
	Internet Networker	15-1099
	IT Internet Developer	15-1099
	IT Web Designer	15-1099
	Nortel NET Knowledge Trainee	85599A-8
	PC Repair and Cisco Networker I	85599A-9
	PC Repair and Cisco Networker II	85599A-10
	PC Repair and Nortel Networker I	85599A-11
	PC Repair and Nortel Networker II	85599A-12
Web Design and Administration	15-1099	
Web Site Designer	15-1099	
<b>Masonry</b>	Bricklayer Helper	47-3011.00
	Stone Mason	47-2021.00
<b>Welding</b>	ARC Cutter	5141210202
	ARC Welder	5141210207
	ARC Welder – Cutting Process	5141210208
	Entry Level Welder	5141210209
	Entry Level Welder – Cutting Process	5141210210
	Gas Welder	5141210203
	Production Line Welder	5141210205
	Production Line Welder – Cutting Process	5141210206
	Tack Welding	5141210204
Welder Helper	5141210201	