

# Campbell County High School

# COURSE CATALOG

## 2022-2023



***A Nationally Ranked High School***



# Campbell County High School Course Catalog 2022-2023

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*A Special Thanks to Ms. Kimberly Rider and Yearbook Staff.*

## CAMPBELL COUNTY BOARD OF EDUCATION

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*Tim  
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Assistant  
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## CAMEL PRIDE

Be Respectful, Be Responsible & Be Safe

## MISSION STATEMENT

It is the mission of Campbell County High School to provide a safe environment in which students will be provided an opportunity to excel in learning, leadership, citizenship, and character.

## A CAMPBELL COUNTY GRADUATE IS...

...A COMMUNICATOR

...A CRITICAL THINKER

...A COLLABORATOR

...RESILIENT

...HIGHLY PREPARED FOR THEIR  
INDIVIDUAL PATHS



## PRINCIPAL'S MESSAGE

This handbook is provided for students and parents as a guide to educational planning. The course selection process is an important part of your future academic development and employment plans. You will be asked to assess future options, your academic strengths and needed areas of growth, as well as your personal academic preferences and goals.

This guide 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 or her personal interest, capabilities and future. Seldom do students have identical needs or interests; so individual planning is necessary. Final course selection is the responsibility of each student, as approved by his or her parents. Teachers, counselors and administrators 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.

*Adam Ritter*

*Campbell County High School Principal*

## SCHOOL COUNSELING OFFICE'S MESSAGE

Campbell County High School Counselors are an essential resource to students as they become college and career ready. Informed decisions need to be made by students and their families throughout high school and our team of counselors is ready to work with you.

Professional School Counselors guide individual students through career exploration and academic planning to achieve personal and academic goals. Our office encourages students to contribute meaningfully to our community through club and volunteer involvement and will share unique opportunities with the student body as they become available. We also encourage parents/guardians to be active members of the academic and scheduling process.

Feel free to contact your school counselor at any time. Appointments with a member of the school counseling staff may be made by calling 635-4161

*Campbell County High School Counseling Staff*

## CCHS SCHOOL COUNSELING OFFICE STAFF

**Jill Bertram**  
*School Counseling  
Secretary*

**Paislee McDowell**  
*School Counseling Clerk*

**Tammi Wright**  
*High School Counselor A-C*

**Tracy Florimonte**  
*High School Counselor D-G*

**Allison Fehribach**  
*High School Counselor H-L*

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*High School Counselor M-P*

**Lindsey Buckler**  
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*Lindsey  
Buckler,  
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*Andrea  
Dobrozi,  
Counselor*



*Jenna Koroly,  
Career  
Advisor*

# Graduation Requirements

## GRADE LEVEL CLASSIFICATION

*Credits must be completed by the beginning of the school year.*

Grade 9 Student must have successfully completed grade 8

Grade 11

Student must have earned 11 credits

Grade 10 Student must have earned 5 credits

Grade 12

Student must have earned 18 credits

## GRADUATION REQUIREMENTS

|   |  |
|---|--|
| Language Arts   | Four (4) credits total. Students who do not meet the college readiness benchmarks for English and language arts shall take a transitional course or intervention, which is monitored to address remediation needs, before exiting high school.   |
| Social Studies  | Three (3) credits total Intro to Social Studies or equivalent Social Studies course, U.S. History, and World Civilization. Additionally, students must achieve a 60% or higher on a state-mandated Civics assessment.  |
| Mathematics   | Four (4) credits total - Algebra I, Geometry, Algebra II plus one (1) math elective aligned to the student's ILP. A mathematics course or its equivalent, as determined by the District, shall be taken each year of high school to ensure readiness for postsecondary education or the workforce.<br>Students who do not meet the college readiness benchmarks for mathematics shall take a transitional course or intervention, which is monitored to address remediation needs, before exiting high school. |
| Science   | Three (3) credits total - Integrated Science (or equivalent), Biology, and one (1) science elective aligned to the students ILP. Two of these credits must incorporate lab-based scientific investigation experiences.   |
| Health and P.E.   | One credit   |
| Visual and Performing Arts  | One (1) credit - VPA course<br><b>Note: Starting with the class of 2023:</b> One (1) Credit or a standards-based specialized arts course based on the student's ILP. See fine arts section for more details.   |
| Academic and Career Interest Standards-based Learning Experiences (Electives) | Eight (8) credits - Four (4) of these must be standards-based credits in an academic or career interest based on the student's ILP.<br><b>Note: starting with the class of 2024:</b> one (1) of these electives must be a credit of Financial Literacy that meets the requirements pursuant to KRS 158.1411  |
| Career and Technical Education  | One (1) credit in a CTE introductory course. State mandated technological competency will be demonstrated in this course.  |

**For students who enter high school in the 2019-2020 school year and beyond, at least one of the additional qualifiers as set by KDE is required.**

|  |  |   |   |   |   |  |  |
|--|--|---|---|---|---|--|--|
| Precollege curriculum established by CPE in 13 KAR 2:020 | Benchmark score in one section of a college admissions/ placement examination established by CPE in 13 KAR 2:020 | Three post-secondary credit hours or more of a KDE-approved dual credit course with a grade C or higher | One APcourse and a score of three or higher on the exam | Industry certification as approved by the KY Workforce Innovation Board | Four credits from valid courses within a single KDE-approved career pathway | Two years of a KDE- approved KY Labor Cabinet- approved apprenticeship | A KDE- approved process to verify 500 hours of exceptional work experience |
|--|--|---|---|---|---|--|--|

**The following applies to all students entering high school from the 2020-2021 school year and beyond:**

Additional graduation prerequisites for reading and math:

1. Score at or above the minimum criteria on the 10th grade state-required assessments in reading or mathematics;
2. Score proficient or higher for reading or mathematics on the 8th grade state required assessment; or
3. A student collection of evidence submitted by the Principal to the Superintendent/designee for review and approval.

## TRANSITION READINESS - STUDENT EXPECTATIONS

| Academic Readiness  | Career Readiness   | English Language Readiness<br>(only required for English Learners)  |
|---|--|---|
| <p>Benchmarks (ACT English – 18, Math – 19, Reading – 20), determined by the Council on Postsecondary Education (CPE) on a college admissions exam or college placement exam (i.e., KYOTE);<br/> <b>OR</b><br/> A grade of C or higher in each course of 6 or more hours of KDE-approved dual credit;<br/> <b>OR</b><br/> A score of 3+ on exams in 2 or more Advanced Placement courses;<br/> <b>OR</b><br/> Completing a combination of academic readiness indicators listed above.</p> <p>Note: Demonstration of academic readiness shall include one quantitative reasoning or natural sciences and one written or oral communication, or arts and humanities, or social and behavioral sciences learning outcomes.</p> | <p>Receiving an Industry Certification (Approved by the Kentucky Workforce Innovation Board on an annual basis);<br/> <b>OR</b><br/> Scoring at or above the benchmark on the Career and Technical Education End-of-Program Assessment for articulated credit;<br/> <b>OR</b><br/> A grade of C or higher in each course on 6 or more hours of KDE-approved Career and Technical Education dual credit;<br/> <b>OR</b><br/> Completing a KDE/Labor Cabinet-approved apprenticeship;<br/> <b>OR</b><br/> Completing a KDE-approved alternate process to verify exceptional work experience.</p> | <p>Meeting exit criteria for English language proficiency assessment (Overall composite of a 4.5 on a Tier B/C) for any student who receiving English Language services during high school.</p> <p>English Language Learners are included in academic and career readiness in addition to English Language Readiness.</p> |

*Note: Students participating in the alternate assessment program and earning an alternate diploma will have criteria for transition readiness based on alternate assessment requirements and employability skills attainment.*



## WAYS HIGH SCHOOL STUDENTS CAN EARN COLLEGE CREDIT

**These college-ready benchmarks can be met on the ACT by reaching the following scores:**

English – 18  
Math – 19  
Reading – 20

### **Option #1: NKU Early College Cohort**

Eligible high school students take college classes for college credit as a high school cohort on the NKU campus. These courses are determined by the high school administration in collaboration with NKU. Students have the ability to substitute other courses available during the same time period. These courses will also count for high school credit and an application process is required. Students will have a part-time course load. They will take two morning courses at NKU and return to finish their day at CCHS.

### **Option #2: Dual Credit Courses on Campus**

Eligible high school students take pre-determined college classes on the high school campus taught by college-level instructors. These courses may be in collaboration with any regional post-secondary institution and an application process is required. These course offerings are determined by post-secondary institutions and are subject to change. Schedule changes are not accepted at CCHS due to this change.

### **Option #3: Dual Credit Courses on Campus with CCHS Staff**

Eligible high school students take pre-determined college classes on the high school campus taught by CCS teachers who have been approved to teach college-level courses by a post-secondary institution. These courses may be in collaboration with any regional post-secondary institution and an application process is required. Courses currently offered include: Financial Literacy, English 101, English 102, and Introduction to Education courses.

### **Option #4: Young Scholars Academy**

Eligible high school students will become full-time NKU students with a minimum course load of 15 credit hours. Students will choose one of four pathways and complete the program's course sequence as well as college credit-bearing courses that fulfill high school graduation requirements. There is an application process and costs involved for the student as they will be a full time college student. Students will attend class all day at NKU and not report to CCHS during the instructional day.

### **Option #5: Advanced Placement**

Students can enroll in AP courses, designed and approved 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. Courses currently offered include:

|                          |                                |
|--------------------------|--------------------------------|
| AP Language              | AP Statistics                  |
| AP Literature            | AP Psychology                  |
| AP Art & Design:         | AP Computer Science Principles |
| • Drawing                | AP Macro-Economics             |
| • 2D                     | AP Micro-Economics             |
| • 3D                     | AP World History               |
| AP Biology               | AP Human Geography             |
| AP Environmental Science | AP Music Theory                |
| AP Chemistry             | AP US History                  |
| AP Physics I             | AP French                      |
| AP Computer Science      | AP Spanish                     |
| AP Calculus              |                                |

### **Option #6: Articulated Credit**

Articulated credit is by definition a pre-determined agreement between a high school and 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. Articulation ensures that secondary and post-secondary schools work together to assist students in progressing to post-secondary programs. Students can receive early admission to college and **college credit** through these agreements. Please see your CTE teacher for more information.

### **Option #7: 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.

### **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  
Western Kentucky University



# DUAL CREDIT COURSE DESCRIPTIONS

## NKU Courses

Applicants must have a cumulative **unweighted GPA of 3.0 or higher.**

Applicants must have a **composite ACT score of 20 or higher.** *Students who do not have an ACT score may submit an equivalent SAT or PSAT score. If a student does not have an ACT, SAT, or PSAT score they may potentially be admitted with a 3.0 or higher unweighted GPA and recommendation letter from their school counselor.*

### **To apply to the NKU dual credit program:**

Complete the online application.

(Please note that completion of the application does not guarantee admission.)

Students and their parents or guardians must sign and date the SBS disclosure form (available upon request).

**PSC 100: American Politics** - National government in the U.S.; decision making process, government structure, politics. (paired with POP 205)

**POP 205: Intro. To Popular Culture** - Major areas of popular culture studies; values and attitude expressed in and passed on by activities, objects and entertainment forms of popular culture. (paired with PSC 100)

**MUS 100: Music Appreciation** - Survey of the development of music in Western civilization, with emphasis on the interdependence of classical music with art, literature, politics, religion, socio-economic changes, and world influences. Emphasis will be placed on developing a working knowledge of musical vocabulary and rhetoric, listening skills and the ability to identify differing musical styles, as well as familiarity with monuments of music and major composers.

**FLC 101: Financial Literacy** - Knowledge and skills to make sound personal financial decisions that promote financial success during college and beyond. Emphasis on decisions related to navigating college costs; earning, spending; saving;

borrowing; and protecting.

**ENG 101: College Writing** - Study and practice of writing with attention to audience, purpose, and conventions appropriate to writing situations; reading, writing, and analyzing a variety of texts, including written, digital, or visual.

**ENG 102: Advanced College Writing** - Study and practice of writing in a variety of expository forms, with attention to audience, purpose, and conventions appropriate to writing situations; emphasis on research-based writing and persuasive strategies.

**EDU 104: Orientation to Education Profession** - Designed to explore the education profession and programs of the Teacher Education Department; Teacher Education Handbook; KY New Teacher Standards; various teacher areas; and includes a field experience component. Education majors must earn a grade of C or better.

**EDU 305: Intro to Education** - Examination of teaching as a profession and of schooling as it currently functions in the U.S.; inquiry into contemporary educational theory and practice to assist students in making realistic career decisions.

**EDU 300: Human Growth & Development** - Life-span human development; physical, cognitive, social, and personal development especially as these relate to children in school and to the adults who influence them; individual study focusing on student development at specific levels of instruction.

**EDU 316: Racism & Sexism in Educational Institutions** - Introduction to the role of educational institutions in perpetuating racism and sexism in the U.S.; theories of prejudice, assimilation, feminism, and cultural reproduction explain patterns of social, cultural, political, psychological, and economic exclusion.

**EDU 592: Educational Capstone Seminar** - The Capstone Seminar is designed to be an intensive experience in critical analysis; to broaden students' perspectives beyond their culture or discipline and provide an opportunity for integration of previous courses in the major and in the core curriculum.

**ART 130: Creating Visual Form** - To enhance the perception of visual form through observation, translation, and documentation using a variety of media. Emphasis on physical craft and skills of fabrication.

**ART 135: Creating Visual Order** - Exploration of the visual elements and principles of art and design; investigation of basic skills, concepts, terminology and processes for two- and three-dimensional art making. Emphasis is on personal organization, goal setting, craft, and time management.

### **Gateway CTC Courses**

Applicants must have a cumulative **unweighted GPA of 2.5 or higher OR an ACT composite of 16 or higher.**

#### **To apply to the Gateway CTC dual credit program:**

Complete the online application found on their website.

(Please note that completion of the application does not guarantee admission.)

Students and their parents or guardians must sign and date the SBS disclosure form (available upon request).

**COM 181: Basic Public Speaking** - Upon completion of this course, the student can:

- Identify elements of the oral communication process/model.
- Construct outlines containing an introduction, body, and conclusion and following a logical pattern of organization.
- Demonstrate appropriate topic selection, topic narrowing, and development of a central idea/thesis statement.
- Employ appropriate verbal and nonverbal communication when delivering oral presentations.
- Select and use appropriate supporting materials for informative speeches and persuasive speeches.

**PSY 110: General Psychology** - Introduces the history, methods and content of modern psychology. Covers the history and systems of psychology, psychological research, physiological psychology, psychological processes, developmental psychology, personality, abnormal behavior and social psychology.

# 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.

**PLEASE NOTE: The following apply to all AP courses offered at CCHS:**

Advanced Placement courses require students to read a variety of materials as well as complete assignments related to the course both in and outside of scheduled class time. It is the expectation that AP students have the necessary motivation to complete their reading(s) and course work in a timely manner so that they are prepared for class on a daily basis. Teacher recommendations are suggested for all AP courses. All students taking AP courses are expected to take the corresponding AP course exam. Cost of the AP exam is approximately \$90-100 for each test taken. This cost is the responsibility of the student but accommodations can be made for qualifying students.

- All AP courses require summer work. You will not be permitted to change your schedule to a lower level course because you failed to do the summer work.
- If you drop an AP course a WF (withdrawn failing) will appear on your transcript. The F, however, will not calculate into your GPA.
- In order to get AP weighting for a class, the AP exam must be taken.

## Course Weighting

All courses in the catalog use the regular weighted 4.0 grading scale unless designated as being on an Advanced (Adv.) or Advanced Placement (A.P.) scale. Advanced courses use a 6.0 grading scale and A.P. courses use an 8.0 grading scale. Dual credit courses and early college courses have A.P. weighting.



## CAREER & TECHNICAL EDUCATION (CTE)



# Course Descriptions

## CAREER & TECHNICAL EDUCATION (CTE)

Upon entering a CTE class students will be placed into a career pathway based on the class/es they are enrolled in and their interests.

### What is a career pathway?

Career pathways are systemic frameworks for addressing the needs of students and employers across the learning continuum which includes a related program of studies for each pathway. Career pathways provide a coherent and specific sequence of rigorous academic and career/technical courses including dual credit opportunities leading to post-secondary degrees and/or industry-recognized certifications and/or licensures. Career Pathways are developed, implemented, and maintained in partnership among secondary and post-secondary institutions, business, and employers.

### How does a pathway work?

Every student should talk with their CTE teacher to know which class they should enroll in to follow their career pathway. Each pathway follows a sequence of classes to prepare them for the End-of-Program Assessment. This test, if passed, can give students college credit, industry certification/recognition, and help them achieve College and Career Readiness. Students must have earned credit in two classes in a pathway to be eligible to take a End-of-Program Assessment. Articulation agreements exist with the University of Kentucky, Murray State, Morehead State, WKU, ECU, and the KCTCS campuses that reward college credit to those students who pass a End-of-Program Assessment and obtain a B in all three classes in the enrolled pathway.

## CURRENT PATHWAYS AT CCHS:

| AGRICULTURE   | BUSINESS & MARKETING   | ENGINEERING & TECHNOLOGY   | FAMILY & CONSUMER SCIENCE   |
|---|--|--|---|
| <ul style="list-style-type: none"><li>- Animal Science Systems</li><li>- Environmental Science/Natural Resource Systems</li></ul> | <ul style="list-style-type: none"><li>- Accounting</li><li>- Administrative Support</li><li>- E-Commerce</li><li>- Management Entrepreneurship</li><li>- Marketing</li></ul> | <ul style="list-style-type: none"><li>- Aerospace Engineering</li><li>- Automation Engineering</li><li>- Engineering Design</li><li>- Mechanical Engineering</li><li>- Computer Science</li><li>- Biomedical</li></ul> | <ul style="list-style-type: none"><li>- Consumer &amp; Family Management</li><li>- Culinary &amp; Food Services</li><li>- Early Childhood Education</li></ul> |

# Course Descriptions

## 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.

### Pathways and class requirements:

Based on previous classes and personal interest the following table will help with directing students to the correct pathway for agriculture. To complete a pathway, 4 credits must be earned.

#### Animal Science Systems Pathway

Prin. Of Ag Science and Tech.

Animal Science

Small Animal Technology

Veterinary Science

Ag Education Internship

Dual Credit Options

#### Environmental Science & Natural Resources Systems Pathway

Prin. Of Ag Science and Tech

Wildlife Resources & Forestry

Environmental Science & Tech

Greenhouse Technology

Ag Education Internship

Dual Credit Options



## Agriculture Cross Courses:

### Principles of Agricultural Science and Technology

030715

Grade 9-10

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. This class requires joining FFA and paying \$15.00 dues.

### Agricultural Education Internship

030791

Grade 12

1 credit

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

*Internship for CTE courses provide supervised work-site experience for high school students who are enrolled in a pathway course associated with their identified career pathway. Internship experiences consist of a combination of classroom instruction and field experiences. A student receiving pay for an intern experience is one who is participating in an experience that lasts a semester or longer and has an established employee-employer relationship. A non-paid internship affects those students who participate on a short-term basis (semester or less).*

### Murray State Univ. Adv. Dual Credit

(A.P)

Grade 11 - 12

1 credit

Prerequisites: 2 credits in Agriculture

Note: College Credit Option

The following courses are offered as a dual credit course at CCHS through Murray State University. For more detailed explanations, please see the agriculture teacher. The courses are offered each semester and supported through an online platform determined by Murray State University. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program. *This class requires joining FFA and paying \$15.00 dues.*

010111 Contemporary Issues in Ag (AGR 199)

020502 Animal Science (AGR 100)

020510 Intro to Pre-Vet Science (AGR 182)

010610 Plant Science (AGR 140)

010631 Horticultural Science (AGR 160)

## Animal Science Systems Pathway Courses:

### Animal Science

020501                      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. *This class requires joining FFA and paying \$15.00 dues.*

### Small Animal Science

020503                      Grades 10-12                      1 credit

Prerequisite: Principles of Ag Science and Technology or Animal Science.  
This class will be offered in the 2016-17 and every other year in odd numbered years.

This course develops scientific knowledge, management practices, and marketing strategies in small and specialty animal technology. Each student will be expected to have a supervised agricultural experience program. *This class requires joining FFA and paying \$15.00 dues.*

### Veterinary Technology

020511                      Grades 10-12                      1 credit

Prerequisite: Principles of Ag Science and Technology or Animal Science. This class will be offered in the 2017-18 and every other year in even numbered years

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. *This class requires joining FFA and paying \$15.00 dues.*



# Course Descriptions

## Environmental and Natural Science Pathway Courses:

### Wildlife Resources

030611                      Grades 10-12                      ½ credit

Prerequisite: Principles of Ag Science and Technology or Animal Science.

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. This class is offered in conjunction with Forestry. *This class requires joining FFA and paying \$15.00 dues.*

### Forestry

030610                      Grade: 10-12                      ½ credit

Prerequisites: Principles of Agriculture

This course introduces the science of silviculture. The course includes career opportunities, tree identification, tree production, forestry management, timber harvesting, wood utilization and the environmental and ecological aspects of forestry. Content may be enhanced with appropriate computer applications. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program. This course is offered in conjunction with Wildlife Resources.

## Environmental Science & Technology in Agriculture

030609

Grade 10-12

1 credit

Prerequisite: Principles of Agriscience and Technology

This course is an intermediate scientific study of environmental technology in agriculture. It is designed to develop awareness of environmental concerns related to air, water, soil, land use management, waste management, and their interrelationship with the biological ecosystem and agriculture. Soil formation, conservation and evaluation material will also be included. Content will be enhanced with appropriate computer applications, scientific laboratory activities, field experimentation, community development projects, and occupational development. Leadership development will be provided through FFA. Each student will be expected to have an agricultural experience program. *This class requires joining FFA and patting \$15.00 dues*

## Greenhouse Technology

010641

Grades 10-12

1 credit

Prerequisite: Principles of Ag Science and Technology

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. *This class requires joining FFA and paying \$15.00 dues.*





## BUSINESS AND MARKETING

Business classes provide leadership development opportunities through student participation in FBLA. Enrollment in FBLA is suggested for all students who enroll in a business course. Student dues for FBLA - \$20.00

### Pathways and class requirements:

Based on previous classes and personal interest the following table will help with directing students to the correct pathway for business. To complete a pathway, 4 credits must be earned.

#### Accounting Pathway

Computer Tech Applications (Digital Literacy)  
Accounting & Finance Foundations  
Financial Accounting (Financial Management)  
Personal Finance  
Microsoft Office Specialist  
Business Educational Internship  
Ethical Leadership  
Intro to Management

#### Administrative Support Pathway

Computer Tech Applications (Digital Literacy)  
Accounting & Finance Foundations  
Microsoft Office (MOS)  
Business Educational Internship  
Ethical Leadership

#### E-Commerce Pathway

Computer Tech Applications (Digital Literacy)  
Principles of Marketing  
Multimedia Publishing  
Web Page  
Principles of Entrepreneurship  
Marketing Applications  
Retail Marketing  
Adv Multimedia Publishing  
Microsoft Office Specialist  
Ethical Leadership  
Marketing Educational Internship  
Business Educational Internship

#### Management & Entrepreneurship Pathway

Marketing Principles  
Intro to Management  
Principals Entrepreneurship  
Accounting and Finance Foundations or Personal Finance  
Computer Tech Applications (Digital Literacy)  
Microsoft Office Specialist  
Ethical Leadership  
Business Educational Internship  
Marketing Educational Internship  
AP Microeconomics

#### Marketing Pathway

Marketing Principles  
Retail Marketing  
Sports & Event Marketing  
Marketing Applications  
Principles of Entrepreneurship  
Accounting & Finance Foundations  
Personal Finance  
Ethical Leadership  
Marketing Educational Internship

### Accounting & Finance Foundations

060122                      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 major focus of the course is on the accounting cycle and the communication of financial information to decision-makers. 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. Leadership development will be provided through FBLA.

### Advanced Multimedia Publishing (Yearbook II)

060761                      Grades 11-12  
1 credit

Prerequisite: Multimedia Publishing and Application Approval

This hands-on course applies advanced web design, publishing, and presentation concepts through development of sophisticated documents and projects which includes, but is not limited to: web sites, web databases, web movies, video editing and production, television productions. This course is designed around the learning goals of the student and is project-based. Students will complete advanced projects agreed upon with the instructor utilizing hardware and software available. Formatting, editing, layout, and design concepts are reviewed and reinforced. Distribution ready publication standards are applied to all projects. Students will develop communication skills, problem-solving techniques, cooperative learning, and interpersonal skills. Leadership development will be provided through FBLA.

### Business Education Internship

060108                      Grade: 12  
1 credit

Prerequisites: Must have completed application and interview with the instructor. The student must secure an internship position that is related to his/her business career major.

Internship for CTE courses provide supervised work-site experience for high school students who are enrolled in a pathway course associated with their identified career pathway. Internship experiences consist of a combination of classroom instruction and field experiences. A student receiving pay for an intern experience is one who is participating in an experience that lasts a semester or longer and has an established employee-employer relationship. A non-paid internship affects those students who participate on a short-term basis (semester or less).

# Course Descriptions

## Computer Tech Applications (Digital Literacy)

060112                      Grades 9-12                      1 credit

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. Leadership will be provided through FBLA.

THIS IS A CTE REQUIREMENT OPTION.

## Ethical Leadership

060109                      Grades 10 - 12                      1 credit

Description: Ethical Leadership is a principles-based ethics course introducing students to key leadership and ethical knowledge and skills, including integrity, trust, accountability, transparency, fairness, respect, rule of law, and viability. Throughout the course, students apply ethical principles to contemporary, real-world situations that teens and young adults often encounter in school, at home, with friends, and in entry-level job positions. They examine the concept of ethical leadership and strengthen their leadership and ethical decision-making skills through the planning, implementation, and evaluation of at least one class service-learning project. Leadership development will be provided through FBLA.

## Financial Accounting (Financial Management)

070122                      Grades 11-12                      1 credit

Prerequisite: Accounting & Finance Foundations

Recommendation: A "C" or better average in Accounting

NOTE: College Credit Option

Financial Management introduces students to a wide range of financial analysis, managerial decision making, and financial accounting concepts and skills including performance metrics, cash-flow management, expense-control strategies, depreciation and obsolescence evaluation, the accounting cycle, and much more. Students prepare and interpret financial statements, forecast sales, develop budgets, and conduct multiple forms of financial analysis. Financial regulations, accounting standards, and financial information technology are also emphasized throughout the course. Leadership development will be provided through FBLA.

## Intro. to Management

060411                      Grades 10-12                      1 credit

NOTE: College Credit Option

Introduction to Management expands student understanding of management. It exposes students to several types of management, including customer relationship management, human resources management, knowledge management, information management, project management, quality management, risk management, and strategic management. Business law, communication skills, economics, operations, and professional development are also stressed throughout the course. Current technology will be used to acquire information and to complete activities. Throughout the course, students are presented ethical dilemmas and problem-solving situations for which they must apply academic and critical-thinking skills. Leadership development will be provided through FBLA.

## Marketing Applications (Camel Spirit Store)

080717                      Grade 12                      1 credit

Prerequisites: Sports Marketing, Retail Marketing or per Instructor's Waiver. All potential candidates must complete and turn a course application (available from instructor or guidance office).

Marketing Applications furthers student understanding and skills in the various marketing functions. Students coordinate channel management with other marketing activities, discuss the nature of marketing plans, generate product ideas, coordinate activities in the promotional mix, and demonstrate specialized sales processes and techniques. Economic and financial concepts are also stressed throughout the course. Current technology will be used to acquire information and to complete the projects. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills. Formal reflection is an on-going component of the course along with four projects. Leadership development will be provided through FBLA.

## Marketing Education Internship

080708                      Grade:12                      1 credit

Prerequisites: Must have completed application and interview with the instructor. The student must secure an internship position that is related to his/her marketing career major.

Internship for CTE courses provide supervised work-site experience for high school students who are enrolled in a pathway course associated with their identified career pathway. Internship experiences consist of a combination of classroom instruction and field experiences. A student receiving pay for an intern experience is one who is participating in an experience that lasts a semester or longer and has an established employee-employer relationship. A non-paid internship affects those students who participate on a short-term basis (semester or less).



## Marketing Education Co-op

080707                      Grades 12                      1-2 credits

Prerequisites: Application approval and interview with program coordinator. Training or job must be related to the student's career major. \*Must be enrolled in Principles of Entrepreneurship in the same year.

NOTE: College Credit Option

This program is designed for 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.

## Marketing Principles

080716                      Grades 9-10                      1 credit

Marketing Principles introduces students to the dynamic processes and activities in marketing. The course develops student understanding and skills in the functional areas of marketing, as well as business law, communication skills, customer relations, economics, human resources management, and operations. Current technology will be used to acquire information and to complete activities. Throughout the course, students are presented ethical dilemmas and problem-solving situations for which they must apply academic and critical-thinking skills. Leadership development will be provided through FBLA.

## Microsoft Office Specialist (MOS) Certification

070750 (Adv.)                      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, PowerPoint, and Outlook will be taught. Students will work toward MOS Certification in one or more of these Microsoft areas. Students must take a minimum of three certification exams. Exams are approximately \$75-\$100 each. However, our district is currently paying for exam vouchers. Therefore, students can become certified for FREE! In addition, students will utilize Internet access to complete various projects. Leadership development will be provided through FBLA.

## Multimedia Publishing (Yearbook 1)

060751                      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. Leadership development will be provided through FBLA



# Course Descriptions

## Personal Finance

060170                      Grades 10-12                      1 credit

The goal of the Personal Finance course is to help students to become financially responsible, conscientious members of society. To that end, this course develops student understanding and skills in such areas as money management, budgeting, financial goal attainment, the wise use of credit, insurance, investments, and consumer rights and responsibilities. Throughout the course, students also examine contemporary, real-world ethical dilemmas that individuals commonly encounter when managing their personal finances. Leadership development will be provided through FBLA.

## Principles of Entrepreneurship

080310                      Grade 11-12                      1 credit

Suggested Prerequisites: Students are recommended to have taken Principles of Marketing and Business Management

Principles of Entrepreneurship (Standard) introduces students to a wide array of entrepreneurial concepts and skills, including the role of entrepreneurship in our economy, entrepreneurial discovery processes, ideation, and preliminary start-up venture planning. Students also develop an appreciation for marketing's pivotal role in the development and success of a new business. They become acquainted with channel management, pricing, product/service management, and promotion. Students conduct thorough market planning for their ventures: selecting target markets; conducting market, SWOT, and competitive analyses; forecasting sales; setting marketing goals and objectives; selecting marketing metrics; and setting a marketing budget. The capstone activity in the course is the development of detailed marketing plans for students' startup businesses. Throughout the course, students are presented ethical dilemmas and problem solving situations for which they must apply academic and critical-thinking skills. Leadership development will be provided through FBLA.

## Retail Marketing (Camel Spirit Store)

081411                      Grades 11-12                      1 credit

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

This course is designed to provide an overview of marketing responsibilities of individuals employed in the retail industry. It is based on the business and marketing core that includes communication skills, operations, distribution, marketing-information management, pricing, product and service management, promotion, and selling. Students will be trained and have the opportunity to operate the Camel Spirit Store. Leadership will be provided through FBLA.

## Sports & Events Marketing

081121                      Grades 10-12                      1 credit

This sport/event marketing course develops student understanding of the sport/event industries, their impact on local communities, and products; distribution systems and strategies; pricing considerations; marketing-information management; selling; product/service management, and promotion. Students acquire an understanding and appreciation of the need for planning. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills. Leadership development will be provided through FBLA.

## Web Page Design

060199                      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. Leadership development will be provided through FBLA.



## FAMILY AND CONSUMER SCIENCE (FCS)

Family and Consumer Sciences (FCS) classes provide leadership development opportunities through student participation in FCCLA. Enrollment in FCCLA is suggested for all students who enroll in a Family and Consumer Sciences class. Student dues for FCCLA - \$20.00.

### Pathways and class requirements:

Based on previous classes and personal interest the following table will help with directing students to the correct pathway for FCS. To complete a pathway, 4 credits must be earned.

#### Consumer & Family Services Pathway

FCS Essentials  
Relationships and Money Skills  
Foods & Nutrition  
Parenting

#### Culinary & Food Services Pathway

Foods & Nutrition  
Culinary Arts I  
Culinary Arts II  
FCS Essentials

#### Early Childhood Education Pathway

Early Lifespan Development  
Child Development Services I  
Child Development Services II  
FCS Essentials  
Parenting  
Relationships

### FCS Cross Course:

#### Foods and Nutrition

200441                      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.

#### FCS Essentials

200113                      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.

### Consumer & Family Services Pathway Courses:

#### Money Skills

201010                      Grades 10-12                      ½ 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. This course is offered in conjunction with Relationships.

#### Relationships

200171                      Grades 10 – 12                      ½ credit

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. This course is offered in conjunction with Money Skills.

# Course Descriptions

## Culinary & Food Services Pathway Courses:

### Culinary Arts I

200411                      Grades 11-12                      1 credit

Prerequisites: Teacher recommendation and application. Successful completion of Foods and Nutrition

This advanced course allows students to increase competencies in a variety of food preparation techniques. Emphasis will be placed on food presentation, garnishing, menu planning, and the skills necessary to prepare for a career in the culinary arts. Leadership development will be provided through the Family, Career, and Community Leaders of America.

### Culinary Arts II

200412                      Grade 12                      1 credit

Prerequisites: Foods and Nutrition & Culinary Arts I

In this course, students resume progress in pursuing competencies in food production and services. Orientation to the food service industry and development of food preparation skills are reinforced. Food service management functions are introduced. More in-depth information is provided and higher levels of skills are taught. Time is provided for work based learning opportunities. Leadership development will be provided through the Family, Career and Community Leaders of America.



## Early Childhood Education Pathway Courses:

### Early Lifespan Development

200223                      Grades 10-12                      ½ 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. This course will be paired with Parenting.

### Parenting

200173                      Grades 10 – 12                      ½ credit

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. This course will be paired with Early Lifespan Dev.

### Child Development Services I

200261                      Grades 11-12                      1 credit

Prerequisite: Application approval and Parenting/Early Lifespan Development

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 Development Services II

200262                      Grade 12                      1 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.

## ENGINEERING AND TECHNOLOGY EDUCATION

Engineering and Technology Education classes provide leadership development opportunities through student participation in Technology Student Association (TSA) or Health Occupations Students of America (HOSA). Enrollment in TSA or HOSA is suggested for all students who enroll in an Engineering and Technology Education class. Student dues for TSA or HOSA are TBA

### Pathways and class requirements:

Based on previous classes and personal interest the following table will help with directing students to the correct pathway for business. To complete a pathway, 4 credits must be earned.

#### Aerospace Engineering Pathway

Engineering I  
Engineering II  
Aerospace Engineering  
AP Comp Sci Principles OR AP Comp Sci A  
Engineering Internship

#### Automation Engineering Pathway

Engineering I  
Engineering II  
Manufacturing Engineering  
AP Comp Sci Principles OR AP Comp Sci A  
Engineering Capstone  
Engineering Internship

#### Engineering Design Pathway

Engineering I  
Engineering II  
AP Comp Sci Principles OR AP Comp Sci A  
Engineering Capstone  
Engineering Internship

#### Mechanical Engineering Pathway

Engineering I  
Engineering II  
Mechanical Engineering  
AP Comp Sci Principles OR AP Comp Sci A  
Engineering Internship

#### Computer Science Pathway

Digital Literacy  
AP Computer Science Principles  
AP Computer Science A  
Information Technology Internship  
Intro to Programming

#### Biomedical Sciences Pathway

Principles of Biomedical Sciences  
Human Body Systems  
Medical Interventions

## Engineering Courses:

### Engineering I

210221 Grade: 9 1 credit

Engineering I will offer a multidisciplinary approach and learning foundational concepts of engineering practice, providing students opportunities to explore the breadth of engineering career opportunities and experiences, and solve engaging and challenging real-world problems through engineering essentials. By inspiring and empowering students with an understanding of engineering and career opportunities, Engineering Essentials will broaden participation in engineering education and the engineering profession. THIS COURSE IS A CTE REQUIREMENT OPTION

### Mechanical Engineering

210118 Grades 10 – 12 1 credit

Prerequisites: Algebra I or Engineering I

This course is a high school level course appropriate for 9th or 10th grade students interested in design and engineering or other technical careers. Engineering I gives students the opportunity to develop skills in research and analysis, teamwork, technical writing, engineering graphics, and problem solving through activity, project, and problem-based (APPB) learning. Additionally, students will use industry standard 3D solid modeling software to facilitate solutions to design problems and challenges. As the course progresses, the complexity of the design problems increases and students will learn more advanced computer modeling skills and become more independent in their learning, more professional in their collaboration and communication, and more experienced in problem solving. Engineering I challenges students to continually hone interpersonal skills and creative abilities while applying knowledge of math, science, and technology learned in other courses to solve engineering design problems and communicate their solutions while developing strategies to pace and direct their own learning, an ultimate goal of education.

### Engineering II

210222 Grades 10 – 12 1 credit

Prerequisite: Engineering I

This course will engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.

# Course Descriptions

## Aerospace Engineering

219907                      Grades 10 – 12                      1 credit

Prerequisite: Engineering I

In this course, students conduct hands-on engineering projects developed through collaboration with NASA. Concepts of aerodynamics, astronautics, space-life sciences, and systems engineering are experienced. Intelligent vehicles such as the Mars rovers "Spirit" and "Opportunity" provide real-life applications of modern space exploration technology.

## Manufacturing Engineering

210225                      Grades: 10-12                      1 credit

Prerequisite: Introduction to Engineering Design

Manufactured items are part of everyday life, yet most students have not been introduced to the high-tech, innovative nature of modern manufacturing. This course illuminates the opportunities related to understanding manufacturing. At the same time, it teaches students about manufacturing processes, product design, robotics, and automation. Students can earn a virtual manufacturing badge recognized by the National Manufacturing Badge system.

## Engineering Internship

210331                      Grade: 12                      1 credit

Prerequisites: Must have completed application and interview with the instructor. The student must secure an internship position that is related to his/her engineering career major.

Internship for CTE courses provides supervised work-site experience for high school students associated with their identified career pathway. Internship experiences consist of a combination of classroom instruction and field experiences. Participation in Kentucky Technology Student Association will greatly enhance instruction.



## Engineering Design and Development Capstone

210110 (Adv)                      Grade: 12                      1 credit

Prerequisites: at least 2 engineering courses

Engineering Design is the capstone course to our engineering program in collaboration with Project Lead the Way. It is an open-ended engineering research course in which students work in teams to design and develop an original solution to a well-defined and justified open-ended problem by applying the engineering design process. Students will perform research to select, define, and justify a problem. After carefully defining the design requirements and creating multiple solution approaches, teams of students select an approach, create and test their solution prototype. Student teams will present and defend their original solution to an outside panel. While progressing through the engineering design process, students will work closely with experts and will continually hone their organizational, communication and interpersonal skills, their creative and problem solving abilities, and their understanding of the design process.

## Computer Science Courses:

### Computer Tech Applications (Digital Literacy)

060112                      Grades 9-12                      1 credit

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.

### AP Computer Science A

110701 (AP)                      Grades: 9 - 12                      1 credit

Prerequisite: Honors level math class or AP Computer Science Principles

NOTE: Please see the College and Career Readiness section of this catalog for essential information on all AP Courses.

This course emphasizes object-oriented programming methodology with a concentration on problem solving and algorithm development. It is meant to be the equivalent of a first-semester college-level course in Computer Science. It also includes the study of data structures, design, and abstraction. This course follows the curriculum established by the College Board and prepares students to take the Advanced Placement examination in the AP Computer Science A.

*ELECTIVE MATH CREDIT: Students may use this course as a math elective for their SENIOR year only if they have met Benchmark.*



## AP Computer Science Principles

110711

Grades: 9 - 12

1 credit

Prerequisite: Geometry

NOTE: Please see the College and Career Readiness section of this catalog for essential information on all AP Courses.

Using Python® as a primary tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. Computer Science Principles helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cybersecurity, and simulation.

## Introduction to Programming

110205

Grades 9-12

1 credit

Java Programming I introduces students to fundamental programming concepts using the Java programming language. Topics include data types, control structures, simple data structures, error-handling, object-oriented programming, graphical user interfaces, and modular programming. THIS COURSE IS A CTE REQUIREMENT OPTION.

## Information Technology Internship

110919

Grade: 12

1 credit

Prerequisites: Must have completed application and interview with the instructor. The student must secure an internship position that is related to his/her computer science career major.

Internship for CTE courses provides supervised work-site experience for high school students associated with their identified career pathway. Internship experiences consist of a combination of classroom instruction and field experiences. Participation in Kentucky Technology Student Association will greatly enhance instruction.

## Biomedical Pathway Courses:

### Principles of Biomedical Sciences

170701

Grade 9 - 12

1 credit

Prerequisites: 9th grade Advanced Science Course or Biology (any level)

In the introductory course of the PLTW Biomedical Science program, students explore concepts of biology and medicine to determine factors that lead to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems.

### Human Body Systems

170702

Grade 10 - 12

1 credit

Prerequisites: Principles of Biomedical Sciences (or concurrent enrollment)

Students engage in the study of the processes, structures, and interactions of the human body systems. Important concepts in the course include: communication, transport of substances, locomotion, metabolic processes, defense, and protection. The central theme is how the body systems work together to maintain homeostasis and good health. The systems are studied as "parts of a whole," working together to keep the amazing human machine functioning at an optimal level. Students design experiments, investigate the structures and functions of body systems, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary actions, and respiratory operation. Students work through interesting real-world cases and play the role of biomedical professionals to solve medical mysteries.

### Medical Interventions

170703

Grade: 11 - 12

1 credit

Prerequisites: Principles of Biomedical Sciences and Human Body Systems (or concurrent enrollment)

Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics.





## FINE ARTS



## FINE ARTS

A fine arts history and appreciation course (VPA) -or- a fine arts project/performance-based specialization (at least 2 arts courses in one discipline) is required for graduation. Students may choose to take VPA or select a specialization in Instrumental Music, Theater, Visual Art, or Vocal Music. If a student chooses to specialize, this should be noted on the students Individual Learning Plan. Specialization paths are described in each discipline below.

### OPTION 1: a lecture-based arts history and appreciation survey course covering art, music, theater, and dance.

#### Visual and Performing Arts

500111                      Grade 11                      1 credit

VPA is an arts history and appreciation course designed to meet the fine arts graduation requirement in a single course. Students will study the history and appreciation of visual arts, music, theatre, and dance. Student may choose to take this course or a 2-course specialization as described below to satisfy the fine arts graduation requirement.

**OPTION 2: Two or more project/performance-based arts courses in a single specialization.** See course descriptions for individual course prerequisites and requirements. Current specialization areas and their courses are listed below.

#### Visual Art Specialization Path

Art I – General Art

Art II – Ceramics & Sculpture / AP Portfolio

Art II – Drawing / AP Portfolio

Art II – Painting / AP Portfolio

Art II – Photography & Digital Design

#### Instrumental Music Specialization Path

Concert Band

Symphonic Band

Wind Ensemble

Jazz Ensemble

Percussion Ensemble

Advanced Percussion Ensemble

Guitar

AP Music Theory

#### Vocal Music Specialization Path

Concert Choir

Men's Choir

Advanced Women's Choir

Chorale

AP Music Theory

#### Theater Specialization Path

Theatre Fundamentals

Acting I

Select Drama

Stagecraft & Design

Acting for the Camera

## Visual Art Specialization Path

### Art I (General Art)

500710                      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 II - Ceramics/Sculpture

500712/500713                      Grades 10-12                      1 credit

Prerequisite: Art I (General Art)

Focusing on three-dimensional art, this course will teach students to build, form, cast, and carve various types of sculptural works. Clay, plaster, wire, paper, fabric, and more will be explored through a 3D lens. Students will create teacher-led and student-led projects and write about their creative processes.

This course is offered as an optional AP Portfolio course. All students will learn the same curriculum and will have the option of submitting their final portfolio of work to College Board for the opportunity to earn college credit. In order to earn AP weighting for this class, the AP portfolio must be submitted.



# Course Descriptions

## Art II – Drawing

500712-1                      Grades 10-12                      1 credit

Prerequisite: Art I (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. Students will create teacher-led and student-led projects and write about their creative processes.

This course is offered as an optional AP Portfolio course. All students will learn the same curriculum and will have the option of submitting their final portfolio of work to College Board for the opportunity to earn college credit. Students will conference with their art teacher to determine which portfolio best suits their work. In order to earn AP weighting for this class, the AP portfolio must be submitted.

## Art II – Painting

500712-2                      Grades 10-12                      1 credit

Prerequisite: Art I (General Art)

Painting investigates painting styles and techniques throughout art history. Students will work with watercolor, tempera, acrylic paints, and mixed media on paper, canvas board, and student-stretched canvas. Students will create teacher-led and student-led projects and write about their creative processes.

This course is offered as an optional AP Portfolio course. All students will learn the same curriculum and will have the option of submitting their final portfolio of work to College Board for the opportunity to earn college credit. Students will conference with their art teacher to determine which portfolio best suits their work. In order to earn AP weighting for this class, the AP portfolio must be submitted.

## Art II – Photography/Digital Design

500611                              Grades 10-12                      1 credit

Prerequisite: Art I

Note: Students must have access to a digital camera with SD card.

This course will introduce students to the process of using cameras and photo editing software to create fine and commercial art. Students will incorporate the elements and principles of art into their work. Techniques including digital photography, pinhole photography, and Photoshop editing will be learned. Additional topics to be covered include photo history, critique and aesthetics.

## Instrumental Music Specialization Path

### Concert Band

500913                              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 all 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. Admission into Concert Band is open to all students.

### Symphonic Band

500917                              Grades 9-12                      1 credit

Prerequisite: Successful Audition or appointment

This course is designed to meet the musical needs of intermediate to advanced level students. Literature performed will be primarily from grades IV and V. 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. Admission into Symphonic Band is by audition or appointment.

### Winds Ensemble

500921-3                              Grades 9-12                      1 credit

Prerequisite: Successful audition or appointment

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 Wind Ensemble activities, including consistent private lessons, and performances. Performances include 4 or 5 scheduled concerts per year, basketball pep bands, and Graduation. Students are also required to participate in two extracurricular events throughout the year. This can include auditioning for band clinics, All-State Band, Select Band, or solo and ensemble. Admission into Wind Ensemble is by audition or appointment.





## Jazz Ensemble

500920                      Grades 9-12                      1 credit

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

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

## Percussion Ensemble

500921-1                      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 are not required to take Concert Band or Symphonic Band during the regular academic day.)

## Advanced Percussion Ensemble

500921-1                      Grades 9-12                      1 credit

Prerequisite: Previous participation in a band or percussion ensemble class within the CCMS or CCHS band program and performance-based audition to be assessed by an outside individual(s).

This course will be geared toward advanced-level high school percussionists. These students will focus on advancing and refining their technical and musical skills in the art of percussion, through performance of upper high school or college level literature. Advanced and specialized percussive skills, appropriate for the advanced high school percussionist, will be introduced and taught to these students in master-class, individual, and ensemble rehearsal settings. Guest artists, clinicians, and local collegiate-level educators may be invited to implement advanced instruction to these students, where applicable and appropriate. Students in the "Advanced Percussion Ensemble" section will also learn and develop skills and techniques necessary for auditioning for upper level, extra-curricular ensembles such as All-state ensembles, Northern Kentucky Select Band, prestigious collegiate-sponsored events, and other applicable regional musical ensembles. This ensemble will become a flagship performing ensemble within the Campbell County Band Program.

For many younger students, this will be a class to step up to after a year or two years in the already-offered "Percussion Ensemble" class, where students focus on developing basic technical and musical skills in the art of Percussion. The inclusion of the "Advanced Percussion Ensemble" section will also effectively align the percussion class offerings with the way the Concert, Symphonic, and Wind Ensemble classes are structured.



# Course Descriptions

## Guitar

500923                      Grade 10-12                      1 credit

Students will learn beginning chords on both ukulele and guitar. We will move into finger plucking & strumming patterns all while reinforcing music reading. Reading tablature is taught at the end of the year. Students will have the opportunity to play in small guitar trios and quartets. Most assessments will be performance assessment play tests. This course is designed for students with very little or NO guitar/ukulele experience.

## Introduction to Music Theory

500928                      Grades 10-12                      1 credit

The goal of this introductory course is to develop every student's ability to understand basic musical terms, notation, and structure. This course will provide a sound musical foundation for all student, regardless of background, before beginning the rigorous course work in AP Music Theory.

## Music Theory, AP

500929 (A.P.)                      Grades 11-12                      1 credit

Prerequisite: Either completion of Introduction to Music Theory OR completion of one year of advanced musical ensemble (Select Choir or Symphonic Band)

NOTE: Please see the College and Career Readiness section of this catalog for essential information on all AP Courses.

Courses in AP Music Theory are designed to be the equivalent of a first-year music theory college course. AP Music Theory develops students' understanding of musical structure and compositional procedures. Usually intended for students already possessing performance-level skills, AP Music Theory extends and builds upon students' knowledge of intervals, scales, chord structures, meter and rhythm patterns, and their interaction in musical compositions. Music notation, analysis, composition, and aural skills are important components of the course.

## Vocal Music Specialization Path

### CCHS Concert Choir

500925                      Grade 9-12                      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 upper level choirs. If choir enrollment numbers permit, choir students may be assigned to SA CHORUS (an all-female group), TB CHORUS (an all-male ensemble Men's Choir), or MIXED CHORUS as warranted. Failure to participate in concerts and performances may result in loss of credit for the course.

### CCHS Advanced Women's Choir

500927                      Grades 10-12                      1 credit

Prerequisite: Concert Choir or audition

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 for students wanting to in Chorale or interested in improving their skills for Advanced Women's Choir. Failure to participate in concerts and performances may result in loss of credit for the course.

### CCHS Men's Choir

500926                      Grades 9-12                      1 credit

Male students will learn to read music and the fundamental basics to enable them to be successful singers: breathing, tone placement, pitch matching. Other aspects of music appreciation will be brought into the course, possibly placing less emphasis on actual performance and allowing for training before entering upper level choirs. Students will be expected to be present for performances.

## CCHS Chorale

500926-1 (Adv.) Grades 11-12 1 credit

Prerequisite: Audition with Choral Director

NOTE: Members of CCHS Chorale 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. Chorale 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. Chorale 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.

## Theatre Specialization Path

### Theatre Fundamentals

500511 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.

### Acting I

500513-1 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.



## Select Drama

500513-2 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.

## Acting for the Camera

500513-3 Grades 10-12 1 credit

Prerequisite: theater fundamentals or teacher recommendation

Learn to get comfortable in front of the lens. Exercises begin with on-camera interviews, so that students can view their screen images in playback. Instruction focuses on understanding technical and emotional adjustments required for working in front of the camera in a relaxed and truthful way and developing intimacy with the camera. Topics include the difference between frame sizes and learning to hit marks. Hone your acting techniques through scene-study guidelines and moment-to-moment exercises, as well as monologue work. Some exercises are performed on camera with emphasis on close-ups, simple scenes, and basic camera moves. The instructor critiques individual students' work during playback.

## Stagecraft and Design

500512 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.

## HEALTH AND PHYSICAL EDUCATION

### Freshman Fitness

340214                      Grade 9                      1 credit

The freshman health and personal fitness class gives students the opportunity to begin or continue healthy habits throughout high school and their lifetime. This course will allow students to develop and maintain a personal fitness plan utilizing a variety of fitness activities throughout the school year.

### Introduction to Health & Physical Fitness

340290                      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.

### Recreational Sports

340219-1                      Grade: 11-12                      1 credit

Prerequisite: Introduction to Health and Physical Education

This course allows students the opportunity to improve their mental, emotional, social, and physical health through daily participation in a variety of recreational coed sports. Sports covered throughout the year will include volleyball, soccer, football, softball, basketball, racquet sports, ultimate Frisbee, hockey, and a variety of other modified non-traditional games.



### Strength Training and Fitness

340219-2                      Grade: 11-12                      1 credit

Prerequisite: Introduction to Health and Physical Education

This course allows students the opportunity to enhance their level of fitness through a variety of strength and conditioning workouts. Students will be introduced to a variety of strength and conditioning activities, and have the opportunity to design and implement a personal fitness plan to maintain a healthy lifestyle.

### Strength Training and Fitness II

340219-3                      Grade: 11-12                      1 credit

This course allows students the opportunity to enhance their level of fitness through a variety of strength and conditioning workouts. Students will be introduced to a variety of strength and conditioning activities, and have the opportunity to design and implement a personal fitness plan to maintain a healthy lifestyle.

### Gross Motor Development

340219-3                      Grades 11-12                      1 Credit

Prerequisite: No prerequisite for class but interested students must fill out an application

This elective course collaborates with the special education department. The mission of this course is to establish a relationship between general education students and students with multiple disabilities (cognitive or physical), while working along-side a physical education teacher, special education teacher, and paraprofessionals, to improve and enhance the motor skills of students with disabilities. Students who may be interested in education, special education, physical therapy, occupational therapy, medical field or any mentor profession may be interested in this course.

### Gross Motor Development II

340219-4                      Grade 12                      1 credit

Prerequisite: Gross Motor Development; students must interview for placement

This elective course is the second phase of the gross motor class. In this course, students will demonstrate the skills acquired in gross motor development and act as "peer leaders." As a "peer leader," students will have a leadership role with the peers (special needs students) and peer coaches (GMD students). Students will lead, develop, and assess activities and will closely interact with lead teachers and paraprofessionals.





## LANGUAGE ARTS



# Course Descriptions

## LANGUAGE ARTS

### ENGLISH I

#### English I

230107-2                      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 AND CORRESPONDING ACTIVITIES.

#### Pre-Advanced Placement English I

230107-3 (Adv.)                      Grade 9                      1 credit

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

NOTE: Summer readings/activities are required prior to the beginning of class. Students will not be allowed to change schedules to a lower level course because summer work was not completed.

This advanced class provides the foundation for the Advanced Placement classes offered at the 11th and 12th 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 I Essentials

230107-1                      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.

### ENGLISH II

#### English II

230110-2                      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 informational texts. 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.

### Pre-Advanced Placement English II

230110-3 (Adv.)                      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. Students will not be allowed to change schedules to a lower level course because summer work was not completed.

This advanced class continues to provide the foundation for the Advanced Placement classes offered at the 11th and 12th 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 II Essentials

230110-1                      Grade 10                      1 credit

Prerequisite: Teacher or administration recommendation

Students will work to prepare for demands of the real world. It is based on student need and the need for additional help in reading and writing.

### ENGLISH III

#### English III

230113-2                      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 by reading and responding to a variety of fiction and nonfiction works. 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 Language & Composition, AP

230166 (A.P.)                      Grade 11                      1 credit

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

NOTE: Please see the College and Career Readiness section of this catalog for essential information on all AP Courses. 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.

An AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way genre conventions and the resources of language contribute to the effectiveness in writing.

## English III Essentials

230113-1                      Grade 11                      1 credit

Prerequisite: Teacher or administration recommendation

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.

## ENGLISH IV

### English IV

230116                      Grade 12                      1 credit

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

This course provides students the opportunity to continue to develop their language arts skills by reading and responding to a variety of texts. Students will produce writing that will be refined for inclusion in the district-mandated writing portfolio. WILL REQUIRE ONE SUMMER READING AND CORRESPONDING ACTIVITIES.

### English Literature & Composition, AP

230167 (A.P.)                      Grade 12                      1 credit

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

NOTE: Please see the College and Career Readiness section of this catalog for essential information on all AP Courses. 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.

An AP English Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature. Through close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style, and themes, as well as such smaller-scale elements as the use of figurative language, imagery, and symbolism and tone.

## COMMUNICATION MEDIA ARTS

### Oral Communications (Speech)

231011                      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.

### Creative Writing

230511                      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.

### Communications Media

239101-1                      Grades 11-12                      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.

### CCHS Radio

239611                      Grades 10-12                      1 credit

Students will be a part of Campbell County High School's online radio station. Students will learn to use the computer hardware and software programs necessary to operate an online radio program. Students will learn skills necessary to pursue a future career in radio.

# Course Descriptions

## Communications Media, Advanced

2391091-2 (Adv.)      Grades 11 – 12      1 credit

Prerequisite: A minimum of a "B" average in Communications Media, completed application (copies in A139).

Communications Media is a class for individuals with goals for a career in communications/video applications. Production and direction of programs are emphasized. Grades are performance-based. After school hours (camera/video board operations) is required.

## Journalism

239111      Grades 10-12      1 credit

Prerequisite: Grade of B in previous English class

This class will be offered in 2013-14 and every other year in even-numbered years.

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. Students must be dependable and trustworthy. Journalism may be taken up to two times.

## Screen and Debate

239101-3      Grades 11-12      1 credit

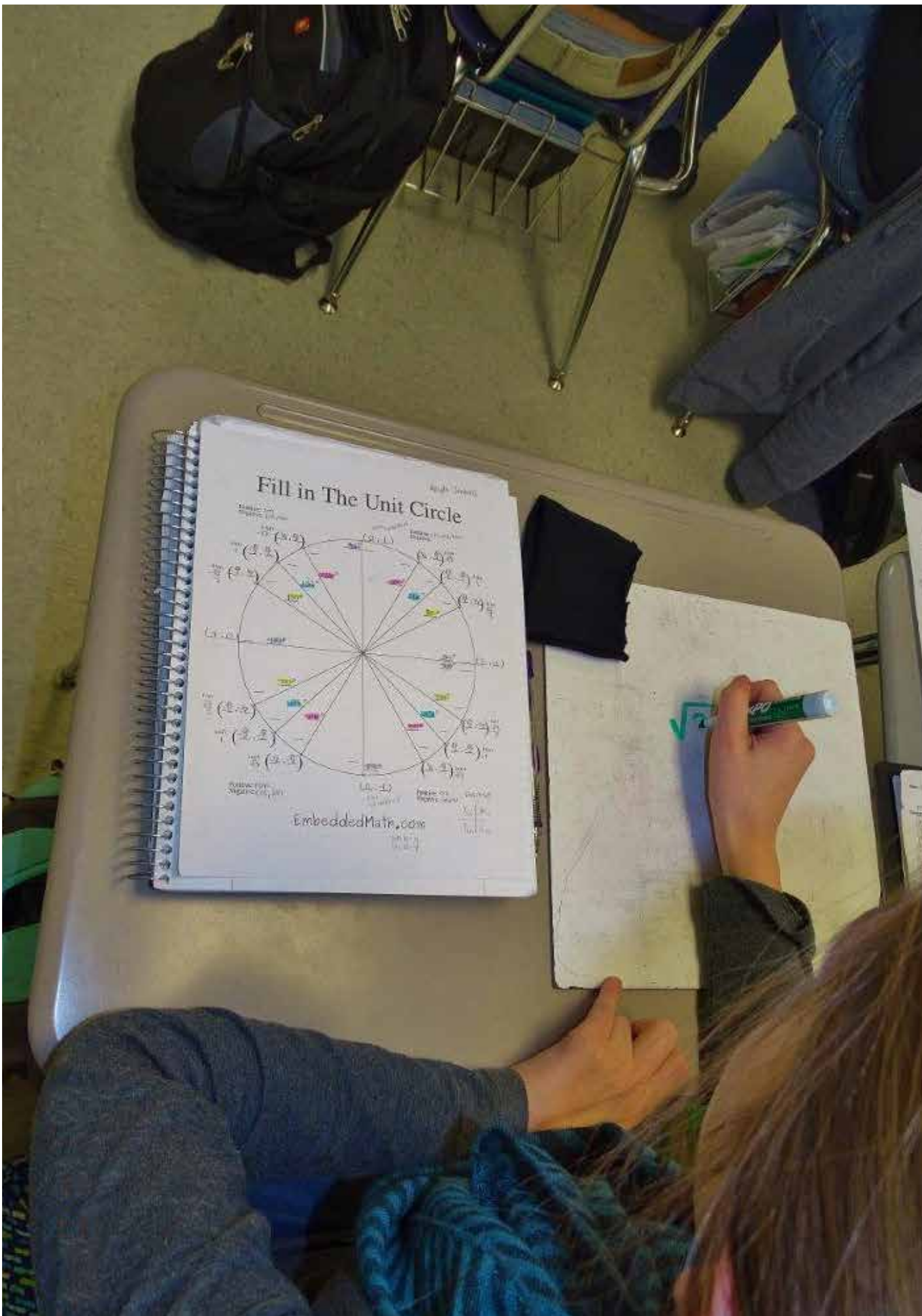
Storytelling is the most common way that we communicate to one another. Stories told with film have a tremendous influence on our attitudes and perceptions of the world around us. In fact, films may be one of the most powerful tools in modern culture for shaping values and conveying information. This course takes an in-depth look at numerous films throughout history. The films are utilized as text throughout the year. Throughout the course, the films are analyzed through both written and verbal discourse, using various media as a way to communicate. Films are analyzed for their themes, cultural and historical impacts, construction of storytelling, and their aesthetic meaning, through various activities. Students should be prepared to use good speaking and listening skills to have success in this class.

## Music Production & Digital Sound Design

500941      Grades: 10 - 12      1 credit

Students learn and apply skills in music recording techniques, music editing, mixing and creating finished musical recordings for a variety of purposes including the creative and conceptual aspects of designing and producing sound for the variety of multimedia and popular musical forms, including: artistic and experimental presentations and/or installations; soundtracks for moving image; interactive, immersive and performance media, etc. Typical course topics include: recording techniques, digital sound production; processes of development including: composition, sound physics, programming and synthesis; techniques, forms and technologies; production and postproduction methods, tools and processes; sound performance and presentation, transmission, distribution and marketing. This course include classroom settings at the school or workplace/internship experiences. Students will also perform compositions formally or informally and respond to music.







# Course Descriptions

## MATHEMATICS

### Algebra I

270304                      Grade 9                      1 credit

This course is designed so the students attain all the concepts contained in the relevant statements in the common Core Standards for Mathematics in order to earn the high school graduation credit for Algebra I. This course includes Relationships Between Quantities and Reasoning with Equations, Linear and Exponential Relationships, Descriptive Statistics, Expressions and Equations, and Quadratic Functions and Modeling.

### Geometry

270401-1                      Grades 9-10                      1 credit

Prerequisite: Algebra I or Algebra I, Applied

This course is designed so the students can develop skills and concepts from the relevant statements in the Common Core Standards for Mathematics in order to earn the high school graduation credit for Geometry. This course includes Congruence with Proof and Constructions, Similarity with Proof and Trigonometry, Two and Three Dimensional Figures, Coordinate Geometry, Circles, and Applications of Probability.

### Geometry, Honors

270401-2 (Adv.)                      Grades 9-10                      1 credit

Prerequisite: Algebra I

Recommendation: Algebra I, Advanced or Teacher Recommendation

This course is designed so the students can develop skills and concepts from the relevant statements in the Common Core Standards for Mathematics in order to earn the high school graduation credit for Geometry, with enrichments provided for students who intend to take more advanced mathematics classes while in high school. This course includes Congruence with Proof and Constructions, Similarity with Proof and Trigonometry, Two and Three Dimensional Figures, Coordinate Geometry, Circles, and Applications of Probability.

### Honors Mathematical Analysis

270621    (Adv.)                      Grade 9                      1 credit

Prerequisite: Algebra 1 and Geometry

This course will expand upon algebra and geometry topics including Statistics & Data Analysis, Number Theory, Functions, a Transformational Approach to Congruence & Similarity, Proof & Reasoning, Trigonometric Modeling, Vectors & Parametric Equations, and Polar Coordinates & Complex Numbers. A heavy emphasis will be placed on problem solving and test-taking strategies (PSAT, SAT, ACT, PLAN) as well as concepts which will prepare students for AP Statistics and AP Calculus BC. Students receiving credit for geometry in middle school are expected to take Honors Mathematical Analysis. This course is a pre-requisite for AP Calculus BC.

### Algebra II

270311-1                      Grade 11                      1 credit

Prerequisite: Geometry, Geometry, Applied, or Geometry, Honors

This course is designed so that students develop the relevant skills and concepts from the Common Core Standards for Mathematics beyond the Algebra I course and then builds on those in a rigorous manner. This course includes Polynomial, Rational, and Radical Relationships, Trigonometric Functions, Modeling with Functions, and Inferences and Conclusions from Data.

### Algebra II, Honors AB

270311-2 (Adv.)                      Grades 10-11                      1 credit

Prerequisite: Honors Geometry or Geometry

This course is designed so that students develop the relevant skills and concepts from the Common Core Standards for Mathematics beyond the Algebra I course and then builds on those in a rigorous manner. This Algebra II course with enrichments is provided for students who intend to take more advanced mathematics classes while in high school. This course includes Polynomial, Rational, and Radical Relationships, Trigonometric Functions, Modeling with Functions, and Inferences and Conclusions from Data.

### Algebra II, Honors BC

270311-3    (Adv.)                      Grade 10                      1 credit

Pre-requisite: Completion of or enrollment in Honors Mathematical Analysis

This course is designed so that students develop the relevant skills and concepts from the Common Core Standards for Mathematics beyond the Algebra I course and then builds on those in a rigorous manner. This Algebra II course with enrichments is provided for students who intend to take more advanced mathematics classes while in high school. This course includes, but is not limited to, Polynomial, Rational, and Radical Relationships, Trigonometric Functions, Modeling with Functions, Conic Sections, Matrix Algebra, and Inferences and Conclusions from Data. This course is a pre-requisite for AP Calculus BC.

## Pre-Calculus

270501-1                      Grades 11-12                      1 credit

Prerequisite: Algebra II or Algebra II, Honors

This course is designed for students to attain the concepts necessary to be successful in a Calculus course, an AP Calculus course or a College Calculus course. This course includes the topics of polynomial and rational functions, trigonometry, conic sections, logarithms, limits, and introduction to calculus.

## Pre-Calculus, Honors AB

270501-2    (Adv.)                      Grades 11-12                      1 credit

This course is designed for students to attain the concepts necessary to be successful in a Calculus course, an AP Calculus course or a College Calculus course, with the opportunity provided for students to progress ahead of the minimal requirements for such courses. This course includes the topics of polynomial and rational functions, trigonometry, conic sections, logarithms, limits, and elementary calculus.

## Pre-Calculus, Honors BC

270501-3    (Adv.)                      Grade 11                      1 credit

Pre-requisite: Algebra II, Honors BC

This course is designed for students develop the relevant skills and concepts necessary to be successful in AP Calculus BC course. The intention of this course is to aggressively study the following topics in depth. This course includes, but is not limited to, the topics of polynomial and rational functions, trigonometry applications and functions, conic sections, matrix algebra, logarithms, vectors and parametric equations, polar coordinates, and an introduction to Calculus. This course is a pre-requisite for AP Calculus BC.

## Calculus, Advanced Placement AB

270513    (A.P.)                      Grades 11-12                      1 credit

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

NOTE: Please see the College and Career Readiness section of this catalog for essential information on all AP Courses.

This course is designed to address all the concepts delineated in the College Board guidelines for the AB Calculus examination.

## Calculus, Advanced Placement BC

270514    (A.P.)                      Grade 12                      1 credit

Prerequisite: Completion of Honors Mathematical Analysis, Algebra II Honors BC, and Pre-Calculus Honors BC

NOTE: Please see the College and Career Readiness section of this catalog for essential information on all AP Courses.

This course is designed to address all of the concepts delineated in the College Board guidelines for the BC Calculus examination. Passing the Calculus BC exam gives credit for both Calculus I and Calculus II at most universities.

# Course Descriptions

## Statistics, Advanced Placement

270604 (A.P.) Grade 11-12 1 credit

Prerequisite: Algebra II or Algebra II, Honors

NOTE: Please see the College and Career Readiness section of this catalog for essential information on all AP Courses.

This course is designed to address the guidelines provided by the College Board for the Advanced Placement Statistics examination.

## Advanced Topics in Mathematics

270661 Grade 12 1 credit

Prerequisite: Algebra II

This course is designed for students who have completed Algebra I, Geometry, and Algebra II, but who have NOT completed Pre-Calculus. Students who have completed Pre-Calculus but have not met the KY ACT Math benchmark, may petition to take this course. The course is designed to complete the College and Career Readiness process. It includes ACT and KYOTE prep as well as topics from higher level courses.

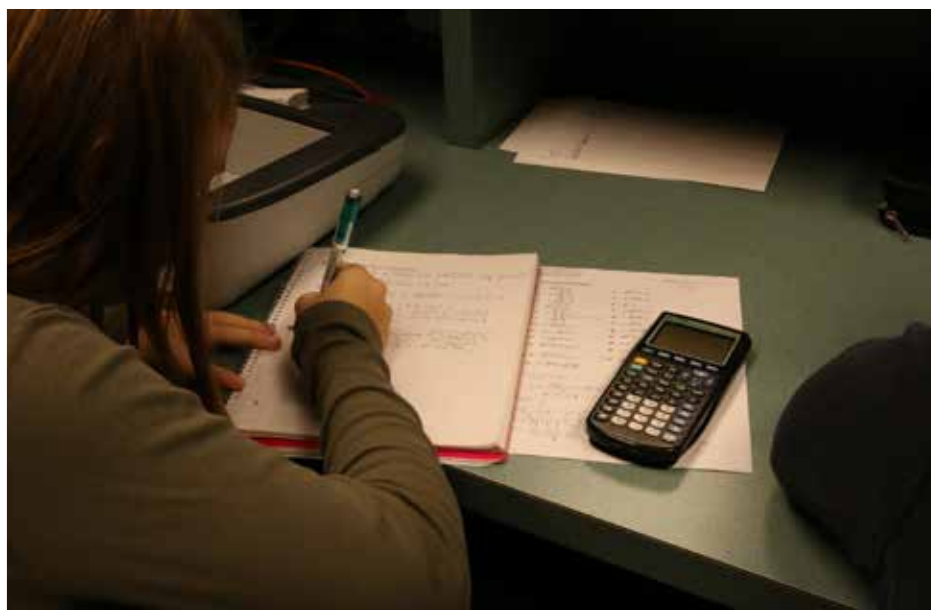
## Computer Science A, AP

110701 (A.P.) Grades 10-12 1 credit

Prerequisite: Honors level math class or JAVA Programming I

NOTE: Please see the College and Career Readiness section of this catalog for essential information on all AP Courses.

This course emphasizes object-oriented programming methodology with a concentration on problem solving and algorithm development, and is meant to be the equivalent of a first-semester college-level course in computer science. It also includes the study of data structures, design, and abstraction. This course follows the curriculum established by the College Board and prepares students to take the Advanced Placement examination in AP Computer Science. This course does not qualify as one of the four required math credits.





## SCIENCE



# Course Descriptions

## SCIENCE

### Integrated Science

304898-1                      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.

### Integrated Science, Advanced

304898-2      (Adv.)                      Grade 9                      1 credit

This course offers a series of introductions to the major fields in physical science. There is a focus on the scientific method and designing experiments throughout the year. Generally, the three main areas of coverage are:

1. Chemistry, which includes structure/properties of atoms and chemical reactions.
2. Physics, which includes motion, forces, energy, and waves. Equation manipulation and calculations are a focus along with data analysis/compression.
3. Earth Science, which includes geology, astronomy, and meteorology/ecology.

Students should be strong in math, well organized, and be good, independent, motivated learners. Algebra I is highly recommended as a prerequisite.

### Biology

302601-1                      Grade 10                      1 credit

Prerequisite: Integrated Science

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

302601-2 (Adv.)                      Grade 10

1 credit

Prerequisite: Integrated 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

302646 (A.P.)                      Grades 11-12                      1 credit

Prerequisite: Integrated Science, Biology, 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: Please see the College and Career Readiness section of this catalog for essential information on all AP Courses.

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

304521-1                      Grades 11-12                      1 credit

Prerequisite: Integrated Science, Biology, 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 principles of Chemistry including measurement and calculations, matter and energy, atomic structure, radioactivity, the periodic table, chemical bonding, chemical reactions, solutions, gases, acids and bases, intermolecular forces, and stoichiometry.
2. To develop critical thinking by the use of lab experiments and activities.

### Chemistry I, Advanced

304521-2 (Adv.)                      Grades 11-12                      1 credit

Prerequisite: Integrated Science and Biology, at least one of which was at the Advanced level.

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 II, Advanced Placement

304526 (A.P.) Grade 12 1 credit

Prerequisite: Chemistry I or Advanced Chemistry

NOTE: Please see the College and Career Readiness section of this catalog for essential information on all AP Courses.

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.

## Environmental Science, Advanced Placement

304622 (A.P.) Grades 11-12 1 credit

Prerequisite: Integrated Science and Biology; Chemistry is to be taken before or concurrently with AP Environmental Science

NOTE: Please see the College and Career Readiness section of this catalog for essential information on all AP Courses.

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them.

## Crime Scene Science/Criminal Justice

302616/451039 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.

## Anatomy and Physiology, Advanced

302651 (Adv.) Grades 11-12 1 credit

Prerequisite: Integrated Science and Biology

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

Anatomy and Physiology is a course designed to give the very motivated 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.

## Medical Terminology and Disease

302651-2 (Adv.) Grades 11-12 1 credit

Prerequisite: Integrated Science and Biology and successful completion of or current enrollment in Anatomy and Physiology.

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

302613 Grades 11-12 1 credit

Prerequisite: Integrated Science and Biology 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.



# Course Descriptions

## Physics

304821 (Adv.)                      Grade 12                      1 credit

Prerequisite: Algebra II and Chemistry I

NOTE: Please see the College and Career Readiness section of this catalog for essential information on all AP Courses.

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 sound. Electricity may be studied if time permits. Problem solving will be stressed.

## Physics 1, Advanced Placement

304828 (A.P.)                      Grades 11-12                      1 credit

Prerequisite: Successful completion of Integrated Science, Biology, Chemistry or concurrent enrollment in Chemistry, and successful completion or concurrent enrollment in Pre-calculus

AP Physics 1 is algebra-based and is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electric circuits. Emphasis will be placed on applying science practices in the laboratory component.

## Physics 2, Advanced Placement

304829 (A.P.)                      Grades 11-12                      1 credit

Prerequisites: Integrated Science, Biology, Chemistry, AP Physics 1, Pre-Calculus or current enrollment in Pre-Calculus

AP Physics 2 is an algebra-based, introductory college-level physics course that explores topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills.

## Zoology

302615                                      Grades 11-12                                      1 credit

Prerequisite: Biology

This is a 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, dissection, animal systems and activity. Also, this course will 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 & SPECIAL EDUCATION

### Peer Tutoring

Grades 11-12

1 credit

Prerequisite: Application Approval

### Day Care

906010-1

Prerequisite: Must fill out an application, which is available in guidance.

Being a peer tutor for the Little Blessings/Children's Collaborative daycare will earn a student an elective credit. Students will follow the daily routine posted by the director. Students are expected to participate in lesson planning, preschool activities, child care, feeding, and cleaning the facilities after meals. Students will primarily work with infants and/or toddlers. An application is required for this class.

### Freshman Academy

906010-2

Prerequisite: Must fill out an application, which is available in guidance.

Freshman Academy peer tutors will assist students who attend the "No Camel Left Behind" lunch tutoring program. They will assist students in all subject areas and will be supervised by a Freshman Academy teacher.

### Math

906010-3

Prerequisite: Completion of Algebra II; must fill out an application, which is available in guidance.

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.

### Special Needs

906010-4

Prerequisite: Must fill out an application, which is available in guidance or special needs department.

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 provides student with hands-on experiences.

### School Ambassador

Grades 11 (dual credit students ONLY) & 12

0 credit

Prerequisite: Cumulative G.P.A. of 2.7 or higher; no class failures for previous year; 97% or higher attendance rate for previous year; and no 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. Turn in applications with course selection sheet. Please use the course numbers below to register for this class:

Student Ambassador for teacher – 909020-1

Student Ambassador for main office – 909020-2

Student Ambassador for guidance – 909020-3

Student Ambassador for attendance – 909020-4

Student Ambassador for media center – 909020-5

### Student Technology Leadership Program (STLP) Help Desk

904030

Grades 10 - 12

1 credit

Prerequisite: Application and a letter of recommendation

Description: This course is designed to introduce the student to the elements of information technology help desk operations and support. In a collaborative effort to support Campbell County High School's 1 to 1 initiative, students will learn the technology skills required to assist students and teachers with the operation and maintenance of digital technology. Students will receive training in customer service, hardware maintenance, cloud product usage, digital media display, classroom device management, etc. May be repeated for up to 3 credits.

## SPECIAL EDUCATION

### Study Skills

904010

Grades 9 - 12

1 credit

This course is designed to provide students using an IEP the opportunity to develop strategies and techniques to improve organization, note taking, self-advocacy, studying, test taking, time management and to remediate their areas of disability so as to become college and career ready.





## SOCIAL STUDIES

## SOCIAL STUDIES

### Introduction to Social Studies

459801                      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 and economic systems within world regions. The first half of the course focuses on economic aspects of the United States, allowing students to create a framework for later comparisons with other world regions. In the second half of the course, students will explore government systems of the United States and world regions.

### World Civilization

450835-1                      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 emphasis on history from the Exploration era to modern times. 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 approach this course from an inquiry perspective, where they will ask questions and use primary and secondary historical documents to formulate an educated argument.

### World Civilization, Advanced

450835-2 (Adv.)                      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 in globalization and an emphasis on history from Exploration 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 also 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 analyzing primary and secondary resources. Students will approach this course from an inquiry perspective, where they will ask questions and use primary and secondary historical documents to formulate an educated argument.

### U.S. History

450812                      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 the post-Civil War Reconstruction era and works its way to the present, looking at the forces that shaped and continue to shape the American 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.

### Human Geography, Advanced Placement

450712 (A.P.)                      Grade 9-12                      1 credit

NOTE: Please see the College and Career Readiness section of this catalog for essential information on all AP Courses.

The AP course and exam in Human Geography are intended for qualified students who wish to complete classes in secondary school equivalent to college introductory courses in human geography. The exam presumes at least one academic year of college-level preparation. The purpose of the AP Human Geography course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. The topics of the course include: nature and perspective of geography, population, cultural patterns and processes, political organization of space, agricultural and rural land use, industrialization and economic development, and cities and urban land use. This course may take the place of Introduction to Social Studies.

### World History, Advanced Placement

450844 (A.P.)                      Grades 10-12                      1 Credit

Prerequisite: Introduction to Social Studies or Advanced Placement Human Geography

NOTE: Please see the College and Career Readiness section of this catalog for essential information on all AP Courses

This AP course and exam in World History are intended for qualified students who wish to complete classes in secondary school equivalent to college introductory courses in World History. The exam presumes at least one academic year of college-level preparation. In this course, students will cultivate their understanding of world history from c. 1200 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation. This course may take the place of World Civilizations, or Advanced World Civilizations.

# Course Descriptions

## U.S. History, Advanced Placement

450814 (A.P.)                      Grade 11                      1 credit

Prerequisite: World Civilization, Advanced with recommendation from teacher

NOTE: Please see the College and Career Readiness section of this catalog for essential information on all AP Courses.

The AP course and exam in U.S. History are intended for qualified students who wish to complete classes in secondary school equivalent to college introductory courses in U.S. history. The exam presumes at least one academic year of college-level preparation. The AP U.S. History course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in U.S. history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials - their relevance to a given interpretive problem, reliability, and importance - and to weigh the evidence and interpretations presented in historical scholarship. An AP U.S. History course should thus develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format. This course may take the place of U.S. History.

## U.S. History, Advanced Placement

450814 (A.P.)                      Grade 11                      1 credit

Prerequisite: World Civilization, Advanced with recommendation from teacher

NOTE: Please see the College and Career Readiness section of this catalog for essential information on all AP Courses.

The AP course and exam in U.S. History are intended for qualified students who wish to complete classes in secondary school equivalent to college introductory courses in U.S. history. The exam presumes at least one academic year of college-level preparation. The AP U.S. History course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in U.S. history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials - their relevance to a given interpretive problem, reliability, and importance - and to weigh the evidence and interpretations presented in historical scholarship. An AP U.S. History course should thus develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format. This course may take the place of U.S. History.

## Crime Scene Science/Criminal Justice

302616/451039                      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.

## Ky. Studies/Modern American History & Popular Culture

450875/451038                      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 necessary 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

459901                                      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.



## Psychology, Advanced Placement

459902 (A.P.) Grades 11-12 1 credit

NOTE: Please see the College and Career Readiness section of this catalog for essential information on all AP Courses.

Advanced Placement Psychology is a course for students who wish to complete studies in secondary school equivalent to an introductory college course in psychology. The course is a challenging and rigorous introduction to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Within this study, students will be exposed to the psychological facts, principles, and phenomena associated with each of the major subfields of psychology. This will include learning about ethics and methods that psychologists use in their science and practice. The course will cover the topics and areas recommended by College Board. This class is an elective designed for the student who possesses the motivation and maturity level necessary to investigate the content material of the discipline. This is an AP course and as such, students are required to take the AP exam. The aim of this course is to provide the student with a learning experience equivalent to that obtained in most college introductory psychology courses.

## U.S. Government and Politics, Advanced Placement

451030 (A.P.) Grades 11-12 1 credit

Prerequisite: U.S. History with recommendation from teacher

NOTE: Please see the College and Career Readiness section of this catalog for essential information on all AP Courses.

The AP course and exam in U.S. Government and Politics are intended for qualified students who wish to complete classes in secondary school equivalent to college introductory courses in American Government. The exam presumes at least one academic year of college-level preparation. The course offers an analytical perspective on government and politics in the United States, including both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics. Students should become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes. Students successfully completing this course will: know important facts, concepts, and theories pertaining to U.S. government and politics, understand typical patterns of political processes and behavior and their consequences (including the components of political behavior, the principles used to explain or justify various government structures and procedures, and the political effects of these structures and procedures), be able to analyze and interpret basic data relevant to U.S. government and politics (including data presented in charts, tables, and other formats) and be able to critically analyze relevant theories and concepts, apply them appropriately, and develop their connections across the curriculum.

## Wars of America

450878 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, and guest speakers. Students will be required to not only understand basic knowledge of various wars, but they also must show analytical skills as well.

## AP Microeconomics

450606 (A.P.) Grades 10-12 1 credit

NOTE: Please see the College and Career Readiness section of this catalog for essential information on all AP Courses.

The purpose of an AP course in microeconomics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets, and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy.

## AP Macroeconomics

450605 (A.P.) Grades 11-12 1 credit

Prerequisite: AP Microeconomics

NOTE: Please see the College and Career Readiness section of this catalog for essential information on all AP Courses.

The purpose of the AP course in macroeconomics is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination, and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics.







## WORLD LANGUAGES

### French I

160408 Grades 9-12 1 credit

Prerequisite: Grade of C or better in English

During the first year of language study, students will begin using the basic, foundational grammar structures and vocabulary that comprise written and spoken language. Students begin to speak and write about current actions (present tense) and will be able to describe themselves and others, talk about their school day, express likes and dislikes, and discuss leisure activities.

### French II

160409-1 Grades 10-12 1 credit

Prerequisite: Grade of C or better in French I

During the second year of language study, students expand their knowledge of the foundational grammar structures and expand the vocabulary that comprises written and spoken language. Students move from only speaking and writing about current actions (present tense) to speaking about completed actions using the two past tenses: the passé composé and the imparfait. By the end of year II, they should be able to make a purchase, order in a restaurant, discuss daily routine including: chores and grooming activities, plan a party and discuss professions and places around town.

### French II, Advanced

160409-2 (Adv.) Grades 10-12 1 credit

Prerequisite: Grade of B or better in French I

NOTE: Summer readings/activities are required prior to the beginning of class. Students will not be allowed to change their schedules because of incomplete/failing summer work.

During the second year of language study, students expand their knowledge of the foundational grammar structures and expand the vocabulary that comprises written and spoken language. Students move from only speaking and writing about current actions (present tense) to speaking about completed actions using the two past tenses: the passé composé and the imparfait. By the end of year 2, they should be able to make a purchase, order in a restaurant, discuss daily routine including: chores and grooming activities, plan a party and discuss professions and places around town. French II, Advanced will move at a faster pace than French II and will cover grammar and vocabulary topics on a deeper level.

### French III, Advanced

160410 (Adv.) 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.

During the third year of language study, students further expand their knowledge of the foundational grammar structures and expand the

vocabulary which comprises written and spoken language. They are able to move freely between French verb tenses and can speak regarding present, past, future and possible actions. By the end of year III, they will be able to describe themselves and others, discuss likes and dislikes, personal relationships, fashion, maintaining a home, careers and future goals; as well as, debate improvements needed for their world (including social issues, environmental issues and ecological issues). Most students take French III Advanced with the goal of continuing to French IV AP.

### French IV, AP

160430 (A.P.) Grade 12 1 credit

Prerequisite: B or better in Advanced French or successful audition

NOTE: Please see the College and Career Readiness section of this catalog for essential information on all AP Courses.

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 almost entirely in the target language 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. The first semester mid-term exam is an AP practice exam to gauge student progress. Successful completion of the exam may result in three to six hours of college credit at an undergraduate institution.

### French V Advanced

160411 (Adv.) Grade: 12 or see prerequisites 1 credit

Prerequisite: successful completion of AP French IV or recommendation of teacher

This class will cover advanced cultural topics in French, moving more in-depth and beyond the AP Language and Culture themes and developing advanced-level skills on the ACTFL proficiency standards. It will cover a wide range of topics relevant to the AAPPL exam, better preparing them for scholarship opportunities, employers, and college/university studies.

### Spanish I

161108 Grades 9-12 1 credit

Prerequisite: Grade of C or better in English

During the first year of language study, students will begin using the basic, foundational grammar structures and vocabulary that comprise written and spoken language. Students begin to speak and write about current actions (present tense) and will be able to describe themselves and others, talk about their school day, express likes and dislikes, and discuss leisure activities.

# Course Descriptions

## Spanish II

161109-1                      Grades 10-12                      1 credit

Prerequisite: Grade of C or better in Spanish I

During the second year of language study, students expand their knowledge of the foundational grammar structures and expand the vocabulary that comprises written and spoken language. Students move from only speaking and writing about current actions (present tense) to speaking about completed actions using the two past tenses: preterit and imperfect. By the end of year II, they should be able to make a purchase, order in a restaurant, discuss daily routine including: chores and grooming activities, plan a party and discuss professions and places around town.

## Spanish II, Advanced

161109-2 (Adv.)                      Grades 10-12                      1 credit

Prerequisite: Grade of B or better in Spanish I

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.

During the second year of language study, students expand their knowledge of the foundational grammar structures and expand the vocabulary that comprises written and spoken language. Students move from only speaking and writing about current actions (present tense) to speaking about completed actions using the two past tenses: preterit and imperfect. By the end of year 2, they should be able to make a purchase, order in a restaurant, discuss daily routine including: chores and grooming activities, plan a party and discuss professions and places around town. Spanish II, Advanced will move at a faster pace than Spanish II and will cover grammar and vocabulary topics on a deeper level.

## Spanish III, Advanced

161110 (Adv.)                      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.

During the third year of language study, students further expand their knowledge of the foundational grammar structures and expand the vocabulary which comprises written and spoken language. They are able to move freely between Spanish verb tenses and can speak regarding present, past, future and possible actions. By the end of year III, they will be able to describe themselves and others, discuss likes and dislikes, personal relationships, fashion, maintaining a home, careers and future goals; as well as, debate improvements needed for their world (including social issues, environmental issues and ecological issues). Most students take Spanish III, Advanced with the goal of continuing on to Spanish IV, AP.

## Spanish IV, AP 1

161130 (A.P.)                      Grade 12                      1 credit

Prerequisite: B or better in Advanced Spanish or successful audition

NOTE: Please see the College and Career Readiness section of this catalog for essential information on all AP Courses. Summer work required.

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 almost entirely in the target language 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. The first semester mid-term exam is an AP practice exam to gauge student progress. Successful completion of the exam may result in three to six hours of college credit at an undergraduate institution.

## Spanish V Advanced

161111 (Adv.)                      Grade: 12 or see prerequisites 1 credit

Prerequisite: successful completion of AP Spanish IV

This class will cover advanced cultural topics in Spanish, moving more in-depth and beyond the AP Language and Culture themes and developing advanced-level skills on the ACTFL proficiency standards. It will cover a wide range of topics relevant to both the NSE and AAPPL exams, better preparing them for scholarship opportunities, employers, and college/university studies.







## CAMPBELL COUNTY AREA TECHNOLOGY CENTER PROGRAMS



# Course Descriptions

## CAMPBELL COUNTY AREA TECHNOLOGY CENTER PROGRAMS

The courses listed below are designed as two-year programs of study. Students are responsible for purchasing any supplies for use in class (safety glasses, workbooks, etc.) and are also responsible for paying a program fee. Students will spend three hours per day at the ATC. Many of these programs offer the chance for professional certification. If you are interested in learning more about any of the programs, please contact your guidance counselor, the area technology center at (859) 635-4101, or visit [www.KYTechCurriculum.org](http://www.KYTechCurriculum.org).

Please note that seats in each program are limited and registering for a course is not a guarantee for admission into the program.

### Introductory Pathway Courses

Grades: 9 - 10

Credit: 1

These courses are designed for freshman/sophomores at Campbell County High School who are interested in exploring a specific career path offered at Campbell County Area Technology Center. This course will provide students with the completion of the introductory class specific to that pathway.

Introduction to Auto Body - 320114

Introduction to Automotive Technology - 320115

Introduction to Carpentry - 320109

Introduction to Electrical Technology - 320113

Introduction to Health Sciences - 320110

Introduction to Information Technology - 320112

Introduction to Masonry - 320111

Introduction to Welding - 320108

### Pathway Courses for Juniors and Seniors

**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 470632

1st quarter Intro to Collision Repair  
Paint & Refinish

2nd quarter Non-Structural Damage Repair I

3rd quarter Paint & Refinish I

4th quarter Non-Structural Damage Repair II

Second Year - 3 credits + 1 science credit 470633

1st quarter Paint & Refinish II

2nd quarter Non-Structural Damage Repair III

3rd quarter Paint & Refinish III

4th quarter Damage Analysis, Estimating, & Cust Service  
Non-Structural Damage Repair Special

**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 470565

1st quarter Automotive Maintenance & Lt. Repair Sec A

2nd quarter Automotive Maintenance & Lt. Repair Sec B

3rd quarter Automotive Maintenance & Lt. Repair Sec C

4th quarter Automotive Maintenance & Lt. Repair Sec D

Second Year - 3 credits + 1 math credit 470566

1st quarter Special Problems I Auto

2nd quarter Special Problems II Auto

3rd quarter Special Problems III Auto

4th quarter Special Problems IV Auto

**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 460290

1st quarter Intro to Construction

2nd quarter Floor and Wall Framing

3rd quarter Ceiling and Roof Framing

4th quarter Exterior & Interior Framing

Second Year - 3 credits + 1 geometry or math credit 460291

1st quarter Construction Forms

2nd quarter Site Layout & Foundations

3rd quarter Construction Prints

Industrial Safety

4th quarter Internship



# Course Descriptions

**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 - 4 credits 460399

- 1st quarter National Electrical Code  
Industrial Safety
- 2nd quarter Circuits I
- 3rd quarter Electrical Construction
- 4th quarter Electrical Construction II

Second Year - 2 credits + 1 science credit + 1 math credit 460400

- 1st quarter Basic Troubleshooting
- 2nd quarter Basic Blueprint Reading  
Renewable Energy Systems
- 3rd quarter Circuits II
- 4th quarter Special Problems - Electrical Tech



## Health Sciences

First Year - 3 credits + 1 science credit 170591

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.

- 1st quarter Principles of Health Science
- 2nd quarter Medical Terminology  
Emergency Procedures
- 3rd quarter Body Structures & Functions
- 4th quarter Medical Math (Dosage Calculations)  
Health Science Microbiology/Infectious Control

Second Year - 3 credits + 1 math credit 170592

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.

- 1st quarter Medicaid Nurse Aide
- 2nd quarter Medicaid Nurse Aide

- 3rd quarter Co-op Nursing  
Medical Math
- 4th quarter Co-op Nursing  
Non Co-op Development of the Care Giver Role



**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 110952

- 1st quarter Computer Literacy
- 2nd quarter Computer Hardware & Software Maintenance
- 3rd quarter Intro to Net Concepts-non vendor
- 4th quarter Security Fundamentals

Second Year - 2 credits + 1 science credit + 1 math credit 110953

- 1st quarter Network Fundamentals/Cisco I
- 2nd quarter Routing Protocols and Concepts/Cisco II
- 3rd quarter LAN Switching and Wireless/Scaling Networks/  
Cisco III
- 4th quarter Accessing the WAN/Connecting Networks  
Cisco IV



## Course Descriptions

**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 460199

|             |  |
|-------------|--|
| 1st quarter | Intro to Masonry                             |
| 2nd quarter | Intermediate Masonry                         |
| 3rd quarter | Basic Blueprint Reading<br>Industrial Safety |
| 4th quarter | Advanced Masonry                             |

Second Year - 3 credits + 1 math credit 460200

|             |                                 |
|-------------|---------------------------------|
| 1st quarter | Concrete Finishing              |
| 2nd quarter | Anchors & Reinforcement         |
| 3rd quarter | Residential Maintenance Masonry |
| 4th quarter | Internship Masonry              |



**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 480524

|             |                            |
|-------------|----------------------------|
| 1st quarter | Shielded Metal Arc Welding |
| 2nd quarter | Cutting Processes          |
| 3rd quarter | SMAW Groove Welds          |
| 4th quarter | SMAW Pipe Welding Lab A    |

Second Year - 3 credits + 1 math credit 480525

|             |                               |
|-------------|-------------------------------|
| 1st quarter | Gas Metal Arc Welding         |
| 2nd quarter | Blueprint Reading for Welding |
| 3rd quarter | Gas Metal Arc Weld Groove Lab |
| 4th quarter | SMAW Open Groove Lab          |



Notes



Notes





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