

Warren East High School



2026 - 2027

Registration Booklet & Curriculum Guide

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Policies and Procedures

Drop/Add Procedures

According to School Board policy 4410.10, students are allowed to drop courses, without penalty, during the first 5 days of school (class). Students who drop or are withdrawn from a course after the drop period will receive a "WF" (withdrawal failure) on their transcript. The "WF" will be the recorded grade for the quarter (9 weeks) in which the student withdrew (or was withdrawn). To earn credit for a course, students must complete the course.

Student Grading Policy

A = 90%-100%

B = 80% - 89%

C = 70% - 79%

D = 60% - 69%

F = below 60%

<u>Promotion Requirements</u>
6 credits to be a sophomore
13 credits to be a junior
19 credits to be a senior

Student Grade Reports

Progress reports are given to students at mid-term of each nine weeks, and grade cards are given to students every nine weeks of each semester.

Checking Student's Grades through Infinite Campus

In addition to progress reports and grade cards, student grades can be accessed on the internet at any point during the school year. In order to access a student's account, you will need the student's ID number, grade, and birth date.

IC Instructions:

1. Enter internet address: <https://infinitcampus.warren.kyschools.us/campus/portal/warren.jsp>
2. User Name will be the 10 digit student ID#
3. Password is the student's first initial, last initial, and Date of Birth in MMDDYY format
4. To see your child's grade click on schedule (Schedule will appear)
5. Click on each individual class to see your child's current grade and assignments for that class

Enrollment and Admissions Requirements

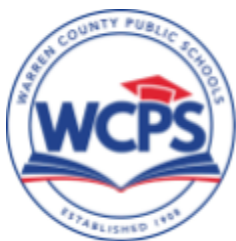
1. Students who are formally identified as gifted in a specific subject area shall have Advanced Coursework, Accelerated Learning, Advanced Placement, Dual Credit, or Dual Enrollment included on his/her Gifted Student Service Plan for their identified area.
2. A gifted student can be withdrawn from an advanced course with guardian consent via the district opt-out form.
3. All students have the opportunity to be admitted to advanced courses or accelerated learning if they meet qualifications as identified on the Advanced Learning Continuum.

Minimum Requirements for Academic (College-Bound) Track

Curriculum Area	Credits	Curriculum Area Requirements
LANGUAGE ARTS	4	Students will be required to earn credits in English I, English II, English III, & English IV (<i>If a student does not meet the college readiness benchmarks for English and language arts (18 for English, 20 for reading), the student shall take an English and language arts transitional course or intervention, which is monitored to address remediation needs before exiting high school</i>).
MATH	4	Students will be required to earn credits in Algebra I, Geometry, Algebra II, and an Advanced Math class (<i>If a student does not meet the college readiness benchmark for Math (19), the student shall take a mathematics transitional course or intervention, which is monitored to address remediation needs before exiting high school</i>).
SCIENCE	3	Students will be required to earn three credits in science to include: Biology, Chemistry with Earth/Space Science, and Physics with Earth/Space Science.
SOCIAL STUDIES	3	Students will be required to earn three credits in Social Studies to include Economics & Geography, U. S. History, and World History.
HEALTH/PE	1	Students will be required to earn one-half credit in Health and one-half credit in Physical Education I.
ARTS & HUMANITIES	1	Students will earn this credit by passing one of the following courses: Vocal Ensemble, Orchestra, Percussion Ensemble, Wind Ensemble, Symphonic Band, Art I, Art Appreciation, General Music, Musical Theater, or Floral Design.
PERSONAL FINANCE	1	Students will be required to take a personal finance course prior to earning their diploma. This course will meet the requirement of financial literacy as mandated by the Kentucky Department of Education.
FOREIGN LANGUAGE	2	Two credits in the same Foreign Language.
ELECTIVES	7	These courses shall be selected from the Program of Study and be courses that are consistent with interest and / or career pathways.
TOTAL Credits	26	Credits to earn an Academic Diploma

Minimum Requirements for Scholastic Track

Curriculum Area	Credits	Curriculum Area Requirements
LANGUAGE ARTS	4	Students will be required to earn credits in English I, English II, English III, & English IV (<i>If a student does not meet the college readiness benchmarks for English and language arts (18 for English, 20 for reading), the student shall take an English and language arts transitional course or intervention, which is monitored to address remediation needs before exiting high school</i>).
MATH	4	Students will be required to earn credits in Algebra I, Geometry, Algebra II, and an Advanced Math class (<i>If a student does not meet the college readiness benchmark for Math (19), the student shall take a mathematics transitional course or intervention, which is monitored to address remediation needs before exiting high school</i>).
SCIENCE	3	Students will be required to earn three credits in science to include: Biology, Chemistry with Earth/Space Science, and Physics with Earth/Space Science.
SOCIAL STUDIES	3	Students will be required to earn three credits in Social Studies to include Economics, & Geography U. S. History, and World History.
HEALTH / PE	1	Students will be required to earn one-half credit in Health and one-half credit in Physical Education I.
ARTS & HUMANITIES	1	Students will earn this credit by passing one of the following courses: Vocal Ensemble, Orchestra, Percussion Ensemble, Wind Ensemble, Symphonic Band, Art I, Art Appreciation, General Music, Musical Theater, or Floral Design.
PERSONAL FINANCE	1	Students will be required to take a personal finance course prior to earning their diploma. This course will meet the requirement of financial literacy as mandated by the Kentucky Department of Education.
ELECTIVES	9	These courses shall be selected from the Program of Study and be courses that are consistent with interest and / or career pathways.
TOTAL Credits	26	Credits to earn a Scholastic Diploma



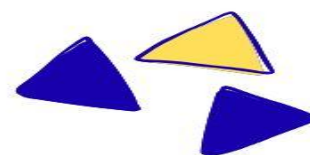
Warren County Public Schools

Graduation Requirements and Diploma Tracks

Pending WCPS Board Approval

Curriculum	Credit	Academic Diploma	Scholastic Diploma
English	4	English I English II English III English IV <i>*Advanced, Dual Credit, and AP Options Available</i>	English I English II English III English IV <i>*Advanced, Dual Credit, and AP Options Available</i>
Math	4	Algebra I Geometry Algebra II Math Credit <i>*Advanced, Dual Credit, and AP Options Available</i>	Algebra I Geometry Algebra II Math Credit <i>*Advanced, Dual Credit, and AP Options Available</i>
Social Studies	3	Geography US History World History <i>*Advanced, Dual Credit, and AP Options Available</i>	Geography US History World History <i>*Advanced, Dual Credit, and AP Options Available</i>
Science	3	Biology Chemistry Physics <i>*Advanced, Dual Credit, and AP Options Available</i>	Biology Science Credit (1) Science - Lab-Based Credit (1) <i>*Advanced, Dual Credit, and AP Options Available</i>
Arts & Humanities	1	Visual/Performing Arts Course- This course shall be selected from the program of studies	Visual/Performing Arts Course- This course shall be selected from the program of studies
Foreign Language	2 (AD Only)	Students will be required to earn two credits in the same foreign language	No Foreign Language Requirement
Health/PE	1	.5 Credit of PE .5 Credit of Health	.5 Credit of PE .5 Credit of Health
Financial Literacy	1	Class of 2029 and after	Class of 2029 and after
Electives	8 (AD) 10 (SD)	7 credits - These courses shall be selected from the program of studies and be consistent with interest and/or career goals <i>*7 credits for the class of 2029 and after</i>	9 credits - These courses shall be selected from the program of studies and be consistent with interest and/or career goals <i>*8 credits for the class of 2029 and after</i>
Total	26		

***All students shall successfully demonstrate performance-based competency in technology that includes the KAS of Technology. By removing the requirement for the Technology Credit, students will have additional opportunities for elective credits, Work-Based Learning, and CTE based certifications.*



AP Capstone

Want to develop skills that you will use over and over again in college?

Warren East High School is implementing the opportunity for students to receive an AP Capstone Certificate and an AP Capstone Diploma. Below are specific requirements and information regarding both opportunities.



What is required of the AP Capstone Certificate?

AP Seminar

AP Research

*The student must pass the AP exams, not just the courses.

*Students must pass the AP Seminar course and exam before taking AP Research.



What is required of the AP Capstone Diploma?

AP Seminar

AP Research

Four other AP Courses

*The student must pass the AP exams, not just the courses.

*Students must pass the AP Seminar course and exam before taking AP Research.



What does AP Seminar equate to?

AP Seminar counts as the typical English II class taken at the sophomore level. AP Seminar will serve as the advanced English II course.



What does AP Research equate to?

AP Research counts as a general English class. This means that it could count as an English credit at the junior or senior level. Students can take English III or English IV in addition to AP Research.

2026 - 2027 Career Pathways at WEHS

Students are to select a career pathway, complete TWO courses to be a concentrator, and take an EOP (End of Program Assessment). Four courses are required to be a pathway completer. Our goal is for all our students to be Transition Ready.

CTE Department	Career Pathway	Courses
Air Force Junior Reserve Officer Training Corps	AFJROTC: Training Corps	Aerospace Science 1 Aerospace Science 2 Aerospace Science 3 Aerospace Science 4
Agriculture	Agribusiness Systems	Agriscience Agriculture Sales & Mktg. Greenhouse Technology Floriculture and Floral Design AH Agriculture Communications Co-op: Agriculture
Agriculture	Ag Power, Structural, and Technical Systems	Agriscience Ag Construction Skills Agriculture Power and Machinery Operation Ag Structures & Design Co-op: Agriculture
Agriculture	Animal Science Systems	Agriscience Animal Science Vet Science <u>OR</u> AGR 182 Food Science and Technology Equine Science Co-op: Agriculture
Biomedical Science	Pre-Nursing/Medical	Principles of Biomedical Science Human Body Systems Medical Interventions Biomedical Innovations Internship: Biomedical Science
Business	E-Commerce	CIT 105 - Intro to Computers or Computer Literacy Advertising and Promotion Fundamentals of Social Media Marketing (Digital Marketing) Retail Marketing Management Co-op: Business
Business	Management and Entrepreneurship	Computer Literacy Business and Marketing Essentials Financial Literacy Principles of Entrepreneurship Co-op: Business

2026 - 2027 Career Pathways at WEHS

Continued

Computer Science	Computer Programming	Computer Literacy AP Computer Science Principles AP Computer Science A Javascript Internship: Computer Science
Engineering	Automation Engineering	Engineering I Manufacturing Engineering Mechatronics Engineering Unmanned Aircraft Systems
Family & Consumer Science	Culinary & Food Services	FCS Essentials Foods & Nutrition Culinary Arts 1 Culinary Arts 2 Co-op: Culinary & Food Science

2026 - 2027 Career Pathways Warren County Area Technology Center

Automotive Technology	Automotive Maintenance & Light Repair Section A Automotive Maintenance & Light Repair Section B Automotive Maintenance & Light Repair Section C Automotive Maintenance & Light Repair Section D
Carpentry	Introduction to Construction Technology Floor & Wall Framing Exterior & Interior Finish Ceiling & Roof Framing
Engineering (Electrical Technician)	Fundamentals of Machine Tools A Introduction to 3D Printing Engineering Manufacturing Engineering
Heavy Equipment Operator	Intro. to Construction Technology Heavy Highway Construction Equipment Repair Heavy Equipment Operation Special Topics: Heavy Equipment

Industrial Maintenance	Industrial Maintenance Electrical Principles Industrial Maintenance Electrical Motor Controls Industrial Maintenance of PLCs Robotics and Automation for Maintenance
Pre-Nursing	Principles of Health Sciences Medical Terminology /Emergency Procedures Medicaid Nurse Aide /Body Structures & Functions Medicaid Nurse Aide /Body Structures & Functions
Pharmacy Technician	Principles of Health Sciences Medical Terminology /Emergency Procedures Pharmacy Technician/Body Structures Pharmacy Technician/Body Structures
Phlebotomy Technician	Principles of Health Sciences Medical Terminology /Emergency Procedures Phlebotomy Technician/Body Structures Phlebotomy Technician /Body Structures
Public Safety	Foundations of Justice & Public Safety Law Enforcement Criminal Investigations & Forensics Basic Telecommunications:
Welding	Oxy-Fuel Systems Shielded Metal Arc Welding Gas Metal Arc Welding Blue Print Reading for Welding



Enrollment Requirements

Safety:

Students must demonstrate professionalism and safety-conscious behavior while at the Area Technology Center (ATC). To be considered for enrollment in the ATC, students should have:

- fewer than three discipline referrals during their high school career
- zero referrals for tobacco, vape or drug offenses. Operating machinery while under the influence of substances creates a significant safety risk.
- zero referrals for fighting or physical aggression.

Students not meeting these requirements who wish to enroll at the ATC must attend a meeting (virtual or in-person) with the ATC principal, their home school administrator and parent. If admitted, the student and parent should understand that discipline infractions after enrollment warrants dismissal from the ATC program. After enrollment, each student must pass a general safety test, a course-specific safety test, and OSHA 10 certification.

Academic Achievement:

The Warren County ATC offers many dual credit opportunities for students. To afford our students as many opportunities as possible, the ATC adopts the same admission requirements as KCTCS.

For technical courses, KCTCS and the Warren County ATC require:

- Cumulative high school GPA of 2.0 or higher
OR
- ACT Composite score of 16 or higher
OR
- SAT 230 or higher on Math
- SAT 440 or higher on Evidence Based Reading and Writing

Students not meeting one of these three requirements who wish to enroll at the ATC must attend a meeting (virtual or in-person) with the ATC principal, their home school administrator and parent. If admitted, the student and parent should understand that ATC Grades below 60% after enrollment warrants dismissal from the ATC program.

Students with an IEP or 504 plan represent an underserved population for Career and Technical Education purposes. To ensure success in technical education enrollment requires consultation between:

- home school counselor
- IEP/504 plan case manager
- special education consultant
- ATC case manager

Please keep in mind the following requirements for ATC Industry Certification:

Certification Area:	Certification Requirements:
Health Science	• Written Exam (1 hour) • Practical Exam (1 hour) • No Accommodations on State Exams • Awareness of Latin Terminology (250 terms in 9 weeks) • Pharmacy Tech - must have strong math skills
Carpentry	• Basic math skills are required • No Accommodations on State Exams • Dangerous tools (saw, etc.) • No Calculator in Shop (paper pencil only)
Heavy Equipment	• No Accommodations on State Exam • Safety Concerns (consider behavior/maturity)
Industrial Maintenance	• Need to be able to read at a 3rd or 4th grade level • Not a lot of heavy math; basic functions, can use calculator • No Accommodations on State Exam besides Extended Time
Engineering	• New Program • Need to have ability to complete Algebraic Equations with Calculator • State Exams TBD
Welding	• Fire Concerns (2 students per booth) • Safety Concerns • Limited Supervision • Practical Exam • No Accommodations on AWS Certification
Automotive	• No Accommodations on ASE Test • Must be able to physically do the test as well as read the test and answer the questions. • Heavy on Vocabulary
Law and Public Safety	• Accommodations are allowed on certification exams. • Physical Training requirements - must be able to run 1.5 miles by the end of the year.

Dual Credit 101

A 'How To' Guide in Navigating the WEHS Dual Credit Program

What is a dual credit course?

Dual credit means students earn both high school credit and college credit for the course.

How much is a dual credit course?

All dual credit courses in Kentucky, regardless of the institution offering the course(s), are approximately \$95 per credit hour. This is \$285 for a three-hour course and \$380 for a four-hour course. *However, this is determined annually by the state of Kentucky and is subject to change.* This is a substantial savings considering that in-state tuition at WKU is typically \$1,143 per course. **PLEASE KEEP IN MIND: This DOES NOT include textbook or other fees for required materials!**

How do I get started?

There are several opportunities for students to earn college credit while attending WEHS:

1. **ACT or SAT scores** – Students scoring 29 or above on the English section of the ACT or 620 or above on the verbal section of the SAT may be awarded 3 credit hours for college English at some colleges, such as Western Kentucky University.
2. **Advanced Placement (AP) courses** – Students have the opportunity to take various AP courses at WEHS, which have the same rigorous content of college courses, and obtain college credit based upon AP examination scores.
3. **College Level Examination Program (CLEP)** – Students have the opportunity to earn college credit by successfully passing various CLEP tests administered by colleges and universities.
4. **Dual Credit Opportunities through the Warren County Area Technical Center** – Students who earn an 80% or higher average in courses offered by our Area Technical Center while enrolled at WEHS may receive credit at Southcentral Kentucky Community and Technical College (SKYCTC). Courses include: Automotive Technology, Construction Technology, Welding, Health Services and/or Information Technology.
5. **WKU Dual Credit Courses** – There are several online or in-person dual credit courses offered through Western Kentucky University. Students are responsible for registering themselves for WKU dual credit courses at wku.edu/dual-credit. Your counselor will guide you through this process.
6. **SKYCTC Dual Credit Courses** – SKYCTC courses are offered at WEHS. There are several online or in-person dual credit courses offered through SKYCTC. Students are responsible for registering themselves for SKYCTC dual credit courses at wku.edu/dual-credit. Your counselor will guide you through this process.
<https://southcentral.kctcs.edu/admissions/information-for/dual-credit.aspx>
7. Several dual credit courses are taught at Warren East High School by WEHS instructors. Look for and inquire about these opportunities if this seems overwhelming or unclear. WE will be happy to help!
8. Dual credit opportunities are endless. Your counselor will work with you on the number of courses you can take, and scheduling those classes will be on an individualized basis. Upper classmen who are eligible to drive can take up to *TWO* morning off-campus dual credit classes per semester.
9. **If your child fails a dual credit course (59% or below): This is all on a semester-by-semester basis.**
 - a. **If you would like to retake the college course, you must retake the exact dual credit course on your own time (it will not be built into their schedules) OR in a study hall at WEHS.**
 - b. **If they do not plan on retaking the course at the college level, they must recover the equivalent credit on our Courseware credit recovery program on their own time OR in an in-person, regularly scheduled course at WEHS.**
 - c. **If they plan to retake the exact dual credit course, the new passing grade will replace the failing grade on the college transcript. However, the failing course will still appear on the transcript without bearing weight.**
 - d. **Be advised that by failing a dual credit course, KHEAA scholarships may not be reapplied for.**
10. **Whatever grade your student earns in their dual credit coursework will be on both his/her official high school and college transcripts. The failing grade will still appear and bear weight on the high school transcript.**
11. **Students taking off-campus dual credit classes must be present at Warren East High School for WIN and third block.**
12. It is required to attend the Dual Credit 101 night. Dates for this night are TBA. If you do not attend Dual Credit 101 night, your student will not be allowed to take a Dual Credit course.
13. **All of the above is subject to the discretion of the principal.**

Dual Credit Courses Offered at WEHS

Course Name	Offered through....	Prerequisites
ENG 111 Writing I	Campbellsville University	3.0 GPA
ENG 112 Writing II	Campbellsville University	3.0 GPA
HIST 102 World Civilization	SKYCTC	2.5 GPA
HIST 109 U. S. History	SKYCTC	2.5 GPA

****By taking a dual credit class, students are earning both a high school and college credit. In order to receive the college credit, a student must earn a C or higher!**

Murray State University Dual Credit Courses

- Taking dual credit courses through Murray State can be online.
- In order to take a MSU dual credit class, a student must meet two requirements:
 1. Be a sophomore, junior, or senior.
 2. Must have a 3.0 GPA or higher.
- To learn more about MSU's dual credit program, go to www.murraystate.edu/raceracademy.

SKYCTC Dual Credit Courses

- Taking dual credit courses through SKYCTC can be either online or on campus.
- To learn more about SKYCTC's dual credit program, go to <https://bit.ly/SKYCTCdc>.

WKU Dual Credit Courses

MUST have 2.5 GPA to enroll in WKU online DC courses.

- Taking dual credit courses through WKU can either be online or on campus. Most of their dual credit courses are offered online.
- WKU's on-campus courses are called *On-Campus Early College Experience*.
- To learn more about WKU's dual credit program, go to <https://bit.ly/WKUdcWebpage>.

AGRICULTURE

**Please note that you MUST be enrolled in an agriculture class
to be a member of the FFA student organization.*

**Students who have met all prerequisites will have priority over students who have not.
Individual circumstances may have an impact.*

Agriculture Department Pathways

Agribusiness Systems Agriscience Agriculture Sales & Mktg. Greenhouse Technology Floriculture and Floral Design AH Agriculture Communications Co-op: Agriculture	Ag Power, Structural & Technical Systems Agriscience Ag Construction Skills Agriculture Power and Machinery Operation Ag Structures & Design Co-op: Agriculture	Animal Science Systems Agriscience Animal Science Vet Science <u>OR</u> AGR 182 Food Science and Technology Co-op: Agriculture
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****Agribusiness Systems Pathway Courses****

Agriscience AG 030-711

Grade Level: 9-10

Credit: 1

Prerequisite: None

Description: Agriscience introduces the scientific agricultural approach to animal science and selection, and plant and land science. Agricultural career opportunities will be emphasized in each class. Laboratory experiences relating to basic and current technology will be part of the program. Content may be enhanced by utilizing appropriate computer applications. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program and keep appropriate records.

Greenhouse Technology AG 010-641b

Grade Level: 11-12

Credit: 1

Prerequisite: Agriscience or Ag Teacher's Recommendation

Description: 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 bedding and container produced plants. Fundamental principles of vegetable production and commercial production of vegetable crops as well as marketing of horticulture products may be included. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program.

Floriculture and Floral Design AH AG 010-621-1

(This course can count as an Arts and Humanities credit)

Grade Level: 10-12

Credit: 1

Prerequisite: *Agriscience or Ag Teacher's Recommendation*

Description: Floriculture and Floral Design provides instruction to develop floral design techniques using silk, dried, and fresh flowers. Students will learn operation and management techniques of a floral business as well as identification, production, and cultural maintenance practices of plants used in floral design and interior landscaping. Leadership development will be provided through the National FFA Organization. Each student will be expected to have a supervised agricultural experience program.

Agriculture Communications AG 010-110

(THIS COURSE WILL BE OFFERED DURING EVEN SCHOOL YEARS 2026, 2028, 2030...)

Grade Level: 10-12

Credit: 1

Prerequisite: *Agriscience*

Description: This course develops an understanding of fundamental skills necessary to be successful in the agricultural communications industry. Provides guided practice and applied experience utilizing various styles of communication including oral, written, and electronic communications. Techniques of communication will include traditional print media, brochure development, photography, videography, computer applications, and internet usage including e-mail. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program.

Agricultural Education Co-op AG 030-790s

*****A student can Co-op through any Agricultural Pathway*****

Grade Level: 12

Credit: 1-3

Prerequisite: *completed 4 courses in an agriculture pathway or 3 if enrolled in a pathway course while participating in Co-op AND Ag Teacher's Recommendation*

Description: Cooperative Education for CTE courses indicated within the KY Department of Education provide supervised work site experience related to the student's identified career major. Students who participate receive a salary for these experiences, in accordance with local, state, and federal minimum wage requirements.

****Agriculture Power, Structural & Technical Systems Pathway Courses****

Agriscience AG 030-711

Grade Level: 9-10

Credit: 1

Prerequisite: *None*

Description: Agriscience introduces the scientific agricultural approach to animal science and selection, and plant and land science. Agricultural career opportunities will be emphasized in each class. Laboratory experiences relating to basic and current technology will be part of the program. Content may be enhanced by utilizing appropriate computer applications. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program and keep appropriate records.

Agriculture Power and Machinery Operation AG 010-212

(THIS COURSE WILL BE OFFERED DURING EVEN SCHOOL YEARS)

Grade Level: 10-12

* This course requires purchase of materials for projects.

Credit: 1

Prerequisite: Agriscience or Ag Teacher's Recommendation

Description: This course provides instruction and hands-on experience in basic principles of agricultural machinery assembly, operation, maintenance, service repair, and safety. Leadership development will be provided through the National FFA Organization. Each student will be expected to have a supervised agricultural experience program.

Agricultural Structures & Design AG 010-211

Grade Level: 12

* This course requires purchase of materials for projects.

Credit: 1

Prerequisite: Agriscience, Ag Construction Skills & Agriculture Power and Machinery Operation or Ag Teacher's Recommendation

Description: This course prepares students to evaluate, design, and construct agricultural structures. Students learn to design, evaluate, and interpret construction plans and calculate a bill of materials. The skills learned in the Agricultural Construction Skills course may be incorporated to construct an agricultural structure. Leadership development will be provided through FFA (Future Farmers of America). Each student will be expected to have an agricultural experience program.

Agricultural Education Co-op AG 030-790s

***** A student can Co-op through any Agricultural Pathway*****

Grade Level: 12

Credit: 1-3

Prerequisite: completed 4 courses in an agriculture pathway or 3 if enrolled in a pathway course while participating in Co-op AND Ag Teacher's Recommendation

Description: Cooperative Education for CTE courses indicated within the KY Department of Education provide supervised work site experience related to the student's identified career major. Students who participate receive a salary for these experiences, in accordance with local, state, and federal minimum wage requirements.

****Animal Science Systems Pathway Courses****

Agriscience AG 030-711

Grade Level: 9-10

Credit: 1

Prerequisite: None

Description: Agriscience introduces the scientific agricultural approach to animal science and selection, and plant and land science. Agricultural career opportunities will be emphasized in each class. Laboratory experiences relating to basic and current technology will be part of the program. Content may be enhanced by utilizing appropriate computer applications. Leadership development will be provided through FFA appropriate records.

Animal Science AG 020-501

(THIS COURSE WILL BE OFFERED DURING EVEN SCHOOL YEARS)

Grade Level: 10-12

Credit: 1

Prerequisite: *Agriscience or Ag Teacher's Recommendation*

Description: Animal Science develops basic knowledge and skills pertaining to animal identification, selection, nutrition, reproduction and genetics, health management, and marketing of farm and companion animals commonly produced in Kentucky. The latest production technologies, as well as biotechnological applications, will be included. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program.

Food Science AG 010-702

Grade Level: 11-12

Credit: 1

Prerequisite: *Agriscience*

Description: Food Science and Technology introduces the issues of food production, nutrition, food chemistry, and the development of food products in a global society. The government regulations regarding foods and the exploration of career opportunities will also be covered. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program.

AGR 182 - Introduction to Veterinary Science

Grade Level: 11-12 ****Dual Credit Contract Required****

Credit: 1 (3 college hours)

Prerequisite: *Agriscience, 3.0 GPA AND Ag Teacher's Recommendation*

Description: This course examines basic principles of veterinary science, including breeds, biology, veterinary tools, parasitology, office management, animal control, and basic clinical exam techniques for large and small animals. Further, the purpose of this course is to provide advanced students in agriculture with an introduction to the basic principles of veterinary science. This requires students to understand the biology of both large and small breeds of animals as well as specifics related to veterinary medicine. This class will build a foundation for those students interested in the area of veterinary science while serving as a dual credit course for those in secondary education to gain an elective credit through Murray State University. Leadership development will be provided through FFA. Each student will be expected to have an agricultural experience program.

AGR 199 - Contemporary Issues in Agriculture

Grade Level: 11-12 ****Dual Credit Contract Required****

Credit: 1 (3 college hours)

Prerequisite: *Agriscience, 3.0 GPA AND Ag Teacher's Recommendation*

Description: A course designed to increase the understanding, awareness, and critical analysis of contemporary agricultural issues, and their effect upon the social, political, economic and cultural aspects of society. Topics will include environmental, biotechnology, animal, crop, career, economy and trade, agricultural policy, food quality, safety, and international agriculture issues. Leadership development will be provided through FFA. Each student will be expected to have an agricultural experience program.

AGR 185 – Agricultural Leadership and Life Knowledge

Grade Level: 11-12

****Dual Credit Contract Required****

Credit: 1 (3 college hours)

Prerequisite: *Agriscience, 3.0 GPA AND Ag Teacher's Recommendation* **Description:** An elective course developed for students who are interested in pursuing a career in the agricultural industry. This class will serve as a bridge class between high school and the collegiate level. Roles, responsibilities, and challenges in the field of leadership and Life Knowledge ® will be examined. (This class is online only and self-guided.)

**Agriculture Dual Credit courses are offered through Murray State University, Hutson School of Agriculture. A fee of at least \$200 must be paid in order to take this course. MSU requires Dual Credit students to be a junior or senior and have a 3.0 GPA. Scholarships may also be available.*

Agricultural Education Co-op AG 030-790s

*****A student can Co-op through any Agricultural Pathway*****

Grade Level: 12

Credit: 1-3

Prerequisite: *completed 4 courses in an agriculture pathway or 3 if enrolled in a pathway course while participating in Co-op AND Ag Teacher's Recommendation*

Description: Cooperative Education for CTE courses indicated within the KY Department of Education provide supervised work site experience related to the student's identified career major. Students who participate receive a salary for these experiences, in accordance with local, state, and federal minimum wage requirements.

Air Force Junior Reserve Officer Training Corps (AFJROTC)

Prerequisites to Join AFJROTC:

Cadets must be enrolled full time at Warren East High School. Cadets must be at least 14 years old, physically able to participate in high school physical education, and be able to maintain acceptable standards of academic achievement and behavior (10 USC Chapter 102, 5 Jan 2009).

Mission:

To develop citizens of character, dedicated to serving their nation and community.

Goal:

The goal of the AFJROTC program is to instill in high school cadets the values of: citizenship, service to the United States, personal responsibility, and a sense of accomplishment.

General Info:

All Air Force Junior Reserve Officer Training Corps courses blend Aerospace Science (AS) (40%), Leadership Education (LE) (40%), and Physical Training (PT) (20%) into a single class. Learn about personal responsibility, leadership, health and welfare, financial planning, teamwork, orienteering, navigation, drill and ceremonies, marksmanship, culture, wellness, time management, organization, and civics. To reinforce classroom learning, cadets have the opportunity to participate in many extracurricular and social activities. The interservice military ball allows cadets to build friendships with cadets in other units and provides exposure to military customs and courtesies. Field trips to military bases, aerospace facilities, and museums play a vital role in providing cadets with a well-rounded experience. Cadets also gain valuable benefits from participating in after-school activities such as: Unarmed Drill Team, Color Guard, Armed Exhibition Drill Team, Orienteering Team, Marksmanship Team, and various community service projects. Top performing students are handpicked to attend a Cadet Leadership Course, which prepares them for increased responsibility within the squadron. A student does not incur an active duty service commitment from being in AFJROTC; however, successful completion of 2 or more years of AFJROTC may allow the cadet to enter ANY branch of the US Armed Forces in a higher grade/rank. **Uniform wear, including military grooming standards when in uniform, are an important aspect of AFJROTC. One cannot successfully complete a AFJROTC course without compliance in this area.**

Aerospace Science 1 JR 580-134

(AS-100)

Grade Level: 9-12

Credit: 1

Prerequisite: ONLY students who voluntarily choose to meet and maintain acceptable standards of AFJROTC uniform wear, AFJROTC grooming standards, and personal conduct standards shall be enrolled into and permitted to remain in the AFJROTC program.

Info:

AS-100 Aviation History

The Aviation History course focuses on the development of flight throughout the centuries. It starts with ancient civilizations then progresses through time to modern day. The emphasis is on civilian and military contributions to aviation; the development, modernization, and transformation of the Air Force; and a brief astronomical and space exploration history. It is interspersed with concise overviews of the principles of flight to include basic aeronautics, aircraft motion and control, flight power, and rockets.

The course objectives are:

1. Know the historical facts and impacts of the early attempts to fly.
2. Know the major historical contributors to the development of flight.
3. Know the contributions of the U.S. Air Force to modern aviation history.
4. Know the key events of space exploration history.

LE-1, Citizen, Character, and Air Force Tradition. This course introduces cadets to the Air Force Junior Reserve Officer Training Corps (AFJROTC) program, providing a basis for progression through the rest of the AFJROTC program while instilling elements of good citizenship. It contains sections on cadet and Air Force organizational structure; uniform wear; customs, courtesies, and other military traditions; health and wellness; physical fitness; individual self-control; personal responsibility; and citizenship.

Aerospace Science 2 JR 580-135

(AS-220)

Grade Level: 10-12

Credit: 1

Prerequisite: AS-1 and ONLY students who voluntarily choose to meet and maintain acceptable standards of AFJROTC uniform wear, AFJROTC grooming standards, and personal conduct standards shall be enrolled into and permitted to remain in the AFJROTC program.

Info: AS-220 Cultural Studies: An Introduction to Global Awareness

Twenty First Century Skills as defined by the Partnership for 21st Century Skills are integrated into the course. These include learning and innovation (thinking) skills – critical thinking and problem solving, creativity and innovation, and communication and collaboration.

This is a customized course about the world's cultures. The course is specifically created for the US Army, Marine Corps, Navy, and Air Force Junior ROTC programs. It introduces students to the world's cultures through the study of world affairs, regional studies, and cultural awareness. The course delves into history, geography, religions, languages, culture, political systems, economics, social issues, environmental concerns, and human rights. It looks at major events and significant figures that have shaped each region.

The course objectives are:

1. Know how historical, geographic, religious, and ethnic factors have shaped the six major regions of the world.
2. Know how economic, political, and social factors impact cultures.
3. Know how environmental resources influence global economic development.
4. Know how population density, famine, war, and immigration influence the world.
5. Know how the economic systems of communism and capitalism have shaped the six major regions of the world.
6. Comprehend how cultural perspectives of time, space, context, authority, interpersonal relationships, and orientation to community affect interactions among people.

LE-2, Communication, Awareness, and Leadership. This course stresses communication skills and cadet squadron activities. Information is provided on effective communication, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development.

Aerospace Science 3 JR 580-136

(AS-300)

Grade Level: 11-12

Credit: 1

Prerequisite: *AS-2 and ONLY students who voluntarily choose to meet and maintain acceptable standards of AFJROTC uniform wear, AFJROTC grooming standards, and personal conduct standards shall be enrolled into and permitted to remain in the AFJROTC program.*

Info: Rocketry, space vehicles, and the exploration of space are covered in the third year.

AS-300: Exploring Space: The High Frontier

This is the science course that includes the latest information available in space science and space exploration. The course begins with the study of the space environment from the earliest days of interest in astronomy and early ideas of the heavens, through the Renaissance, and on into modern astronomy. It provides an in-depth study of the Earth, Sun, stars, Moon, and solar system, including the terrestrial and the other planets. This course will use an Unmanned Aerial Vehicle.

The course objectives are:

1. Know the history of astronomy and the specific characteristics of the Earth, Moon, solar system, and the planets.
2. Comprehend the big picture of space exploration, including the history of space flight, organizations doing work in space, and the overall space environment.
3. Comprehend the importance of entering space, characteristics of manned and unmanned space flight, and how humans are affected during space flight.
4. Comprehend the key concepts for getting from the surface of the Earth into Earth's orbit and to other planets and back again.
5. Comprehend how spacecraft, rockets, and launch vehicles are designed and built.
6. Comprehend the latest advances in space technology.

LE-3, Communication, Awareness, and Leadership. This course stresses communication skills and cadet squadron activities. Information is provided on effective communication, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development.

Aerospace Science 4 (AS-4) JR 580-137

Grade Level: 12

Credit: 1

Prerequisite: AS-3, *permission from AFJROTC Instructors and ONLY students who voluntarily choose to meet and maintain acceptable standards of AFJROTC uniform wear, AFJROTC grooming standards, and personal conduct standards shall be enrolled into and permitted to remain in the AFJROTC program.*

Info: The fourth year offers three options: Option 1: Management of the Cadet Corps; Option 2: Honors Program of Aviation Ground School (leads to the student taking the FAA Private Pilot Exam); Option 3: Laboratory Manual, Geography, and Leadership training; Option 4: Policy and Organization. Leadership is emphasized each year. Course work provides preparation for positions in any military or civilian career. There are classes on military customs and courtesies and flag etiquette, plus instruction in marching, movements, and commands for parades and ceremonies.

AS-4, Survival: Survive - Return. The *Survival* text is a synthesis of the basic survival information found in Air Force Regulation 64-4 *Survival Training*.

The instruction will provide training in skills, knowledge, and attitudes necessary to successfully perform fundamental tasks needed for survival. Survival also presents “good to know” information that would be useful in any situation. The information is just as useful to an individual lost hunting or stranded in a snowstorm.

The course objectives are:

1. Know the elements of surviving.
2. Know how medicine procedures, clothing, and shelter can provide personal protection for a survivor in a survival situation.
3. Know the necessities for maintaining life in a survival situation.
4. Know how to travel and prepare for recovery in a survival situation.

LE-4, Communication, Awareness, and Leadership. This course stresses communication skills and cadet squadron activities. Information is provided on effective communication, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development.

ART

Art Appreciation VP 500-726

Grade Level: 9-12

Credit: 1

Prerequisite: *None*

Description: Students are introduced to historical study and basis for many forms of visual art. Students form an aesthetic framework to examine social, political, and historical events in the world. Students address contemporary aesthetic issues and developments and how visual images and works express the needs and ideals of individuals and society. Students are involved in the creative process through lecture, discussion, observation, media, and research.

*Note: This class has a student supply list that is essential to successful project completion.

Visual / Creative Art I VP 500-711-1b

Grade Level: 9-12

Credit: 1

Prerequisite: *None*

Description: Creative Arts courses provide students with knowledge and opportunities to explore a variety of art forms and to create individual works of art. Courses address design elements and principles, language, materials, and processes used to produce various kinds of visual arts. As students advance, they are encouraged to develop their own creative styles. Although the focus of most of these courses is on production of art, study of the structures, purposes, humanities, and processes are included. Career opportunities in visual art are also explored.

*Note: This class has a student supply list that is essential to successful project completion.

Visual / Creative Art II VP 500-711-2b

Grade Level: 10-12

Credit: 1

Prerequisite: *Successful completion of Art I.*

Description: Creative Arts courses provide students with knowledge and opportunities to explore a variety of art forms and to create individual works of art. Courses address design elements and principles, language, materials, and processes used to produce various kinds of visual arts. As students advance, they are encouraged to develop their own creative styles. Although the focus of most of these courses is on production of art, study of the structures, purposes, humanities, and processes are included. Career opportunities in visual art are also explored.

*Note: This class has a student supply list that is essential to successful project completion.

Honors Visual / Creative Art VP 500-711-3b

Grade Level: 11-12

Credit: 1

Prerequisite: *Successful completion of Art I and II.*

Description: Creative Arts courses provide students with knowledge and opportunities to explore a variety of art forms and to create individual works of art. Courses address design elements and principles, language, materials, and processes used to produce various kinds of visual arts. As students advance, they are encouraged to develop their own creative styles. Although the focus of most of these courses is on production of art, study of the structures, purposes, humanities, and processes are included. Career opportunities in visual art are also explored.

*Note: This class has a student supply list that is essential to successful project completion.

Biomedical Science Pathway

Biomedical Pathway

Principles of Biomedical Science

Human Body Systems

Medical Interventions

Biomedical Innovations

Internship: Biomedical Science

Principles of Biomedical Science SC 170-701

Grade Level: 9 - 11

Credit: 1

Prerequisite: *none*

Description: Student work involves the study of human medicine, research processes, and an introduction to bioinformatics. Students investigate the human body systems and various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. A theme throughout the course is to determine the factors that led to the death of a fictional person. After determining the factors responsible for the death, the students investigate lifestyle choices and medical treatments that might have prolonged the person's life. Key biological concepts, including homeostasis, metabolism, inheritance of traits, feedback systems, and defense, against disease are embedded in the curriculum. The course is designed to provide an overview of all the courses in the Biomedical Science program and to lay the scientific foundation necessary for student success in the subsequent courses.

Human Body Systems SC 170-702

Grade Level: 10 - 11

Credit: 1

Prerequisite: *Principles of Biomedical*

Description: Students will 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 will be studied as "parts of a whole," working together to keep the amazing human machine functioning at an optimal level. Students will 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 respirator operations. Students will work through interesting real-world cases and often play the role of biomedical professionals to solve medical mysteries.

Medical Interventions SC 170-703

Grade Level: 11 - 12

Credit: 1

Prerequisite: *Principles of Biomedical Science & Human Body Systems*

Description: Student projects will investigate various medical interventions that extend and improve quality of life, including gene therapy, pharmacology, surgery, prosthetics, rehabilitation, and supportive care. Students will study the design and development of various medical interventions including vascular stents, cochlear implants, and prosthetic limbs. They will review the history of organ transplants and gene therapy and read current scientific literature to be aware of cutting-edge developments. Using 3-D imaging software and current scientific research, students will design and build a model of a therapeutic protein.

Biomedical Innovations SC 170-704

Grade Level: 11 - 12

Credit: 1

Prerequisite: *Principles of Biomedical Science & Human Body Systems*

Description: This capstone course gives students the opportunity to work with a mentor, identify a science research topic, conduct research, write a scientific paper, and defend conclusion/recommendations to a panel of outside reviewers. The student will have one or more mentors from the scientific and/or medical community guiding their scientific research. In lieu of a research project this course may also be utilized as an internship for students to obtain WBL opportunities in the health care industry.

Biomedical Internship SC 170-708

***With the discretion of the instructor, counselor, and/or principal.**

Grade Level: 12

Credit: 1

Prerequisite: *completed 4 courses in the biomedical pathway or 3 if enrolled in a pathway course while participating in the Internship AND Biomedical Teacher's Recommendation.*

Description: The internship provides supervised on-the-job work experience related to the students' education objectives & nbsp; Work-based learning is designed to complement the classroom instruction & nbsp; Students will be required to follow program and agency requirements for attendance and health screening & nbsp; These may include but are not limited to drug screens, TB (tuberculin) skin test, and immunization certificates.

Business Education

Business Department Pathways

E-Commerce Marketing Principles Advertising and Promotion Fundamentals of Social Media Marketing (Digital Marketing) Retail Marketing Management *CIT 105 – Intro to Computers or Computer Literacy (Not required for pathway) *Financial Literacy (Not required for pathway) Co-op: Business	Management and Entrepreneurship Computer Literacy Business and Marketing Essentials Financial Literacy Principles of Entrepreneurship Co-op: Business
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E-Commerce

Marketing Principles BUS 080-716

Grade Level: 10-12

Credit: 1

Prerequisite: *None*

Description: 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 (Future Business Leaders of America).

Advertising and Promotion BUS 081-511

Grade Level: 10-12

Credit: 1

Prerequisite: *Marketing Principles*

Description: This course is designed to provide students with a realistic "hands-on" application of techniques used in the advertising and promotion of goods and services. Students use typical media software and media equipment while being exposed to all forms of media (including print, internet, radio, and television), methods, budgets, and evaluations used by industry. Leadership development will be provided through DECA and/or FBLA

Fundamentals of Social Media Marketing (Digital Marketing)

BUS 081-310

Grade Level: 11-12

Credit: 1

Prerequisite: *Marketing Principles and Advertising and Promotion*

Description: This course provides an in-depth study of merchandising techniques and management skills. This course is based on the business and marketing core that includes communication skills, economics, operations, professional development, promotion, selling, distribution, and product/service management. Leadership development will be provided through DECA and/or FBLA.

Retail Marketing Management BUS 081-431

Grade Level: 11-12

Credit: 1

Prerequisite: *Marketing Principles and Advertising and Promotion and Digital Marketing*

Description: This course provides an in-depth study of merchandising techniques and management skills. This course is based on the business and marketing core that includes communication skills, economics, operations, professional development, promotion, selling, distribution, and product/service management. Leadership development will be provided through DECA and/or FBLA.

***Computer Literacy IT 110-110-1**

Grade Level: 9-12

Credit: 1

Prerequisite: *None*

Description: This course provides an introduction to the computer and the convergence of technology as used in today's global environment. Introduces topics including computer hardware and software, file management, the Internet, e-mail, social web, green computing, AR and VR, security, and AI fundamentals. Instruction presents the basic use of application, programming, systems, and utility software. Students spend at least 20 hours of programming and applying learned concepts through programming. (Programming is defined, by the K-12 CS Framework, as the craft of analyzing problems and designing, writing, testing, and maintaining programs to solve them.) Participation in Kentucky Technology Student Association or SkillsUSA will greatly enhance instruction.

*** Financial Literacy BUS 080-719**

Grade Level: 10-12

Credit: 1

Prerequisite: *None*

Description: The goal of the Financial Literacy elective course is to equip students with the knowledge needed to make informed financial decisions that contribute to life-long financial stability. This course aligns to the Kentucky Academic Standards for Financial Literacy and focuses on student understanding and skills in such areas as money management, budgeting, savings and investing, financial goal attainment, debt, the wise use of credit, insurance and risk management (including personal insurance policies) and taxes. Throughout the course, students explore the necessity of critically reviewing documents prior to signing agreements, practice providing a signature in cursive, and examine real-world challenges that individuals commonly encounter when responsibly managing their personal finances. Leadership development can be provided through DECA, FBLA, and/or FCCLA.

Business Education Co-op BUS 060-107

Grade Level: 12

Credit: 1

Prerequisite: *completed 4 courses in a business pathway or 3 if enrolled in a pathway course while participating in Co-op AND Business teacher recommendation*

Description: Cooperative Education for CTE (Career and Technical Education) courses provide supervised work site experience related to the student's identified career pathway. A student must be enrolled in an approved pathway course during the same school year that the co-op experience is completed or have already completed the pathway the previous year. Students who participate receive a salary for these experiences in accordance with local, state, and federal minimum wage requirements according to the Work Based Learning Guide.

Management and Entrepreneurship

Computer Literacy/CSD IT 110-110-1

Grade Level: 9-12

Credit: 1

Prerequisite: *None*

Description: This course provides an introduction to the computer and the convergence of technology as used in today's global environment. Introduces topics including computer hardware and software, file management, the Internet, e-mail, social web, green computing, AR and VR, security, and AI fundamentals. Instruction presents the basic use of application, programming, systems, and utility software. Students spend at least 20 hours of programming and applying learned concepts through programming. (Programming is defined, by the K-12 CS Framework, as the craft of analyzing problems and designing, writing, testing, and maintaining programs to solve them.) Participation in Kentucky Technology Student Association or SkillsUSA will greatly enhance instruction.

Business and Marketing Essentials BUS 060-111

Grade Level: 9-10

Credit: 1

Prerequisite: Computer Literacy

Description: Business and Marketing Essentials is an introductory business and marketing course which enables students to acquire a realistic understanding of business processes and activities. Students examine fundamental economic concepts, the business environment, and primary business activities. They develop an understanding of and skills in such areas as customer relations, economics, emotional intelligence, financial analysis, human resources management, information management, marketing, operations, professional development, and strategic management. Throughout the course, students are presented ethical dilemmas and problem-solving situations for which they must apply academic and critical-thinking skills. Leadership will be provided through DECA and/or FBLA.

Financial Literacy BUS 080-719

Grade Level: 10-12

Credit: 1

Prerequisite: *None*

Description: The goal of the Financial Literacy elective course is to equip students with the knowledge needed to make informed financial decisions that contribute to life-long financial stability. This course aligns to the Kentucky Academic Standards for Financial Literacy and focuses on student understanding and skills in such areas as money management, budgeting, savings and investing, financial goal attainment, debt, the wise use of credit, insurance and risk management (including personal insurance policies) and taxes. Throughout the course, students explore the necessity of critically reviewing documents prior to signing agreements, practice providing a signature in cursive, and examine real-world challenges that individuals commonly encounter when responsibly managing their personal finances. Leadership development can be provided through DECA, FBLA, and/or FCCLA.

Principles of Entrepreneurship BUS 080-310

Grade Level: 11-12

Credit: 1

Prerequisite: **Computer Literacy, Business and Marketing Essentials, and Financial Literacy**

Description: Principles of Entrepreneurship 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 with ethical dilemmas and problem-solving situations for which they must apply academic and critical-thinking skills. Leadership development will be provided through DECA and/or FBLA.

Business Education Co-op BUS 060-107

Grade Level: 12

Credit: 1

Prerequisite: *completed 4 courses in a business pathway or 3 if enrolled in a pathway course while participating in Co-op AND Business teacher recommendation*

Description: Cooperative Education for CTE (Career and Technical Education) courses provide supervised work site experience related to the student's identified career pathway. A student must be enrolled in an approved pathway course during the same school year that the co-op experience is completed or have already completed the pathway the previous year. Students who participate receive a salary for these experiences in accordance with local, state, and federal minimum wage requirements according to the Work Based Learning Guide.

Computer Science

Computer Programming Pathway

Computer Programming

Computer Literacy/CSD
AP Computer Science Principles
AP Computer Science A
Javascript
Internship: Computer Science

Computer Literacy/CSD IT 110-110-1

Grade Level: 9-12

Credit: 1

Prerequisite: *None*

Description: This course provides an introduction to the computer and the convergence of technology as used in today's global environment. Introduces topics including computer hardware and software, file management, the Internet, e-mail, social web, green computing, AR and VR, security, and AI fundamentals. Instruction presents the basic use of application, programming, systems, and utility software. Students spend at least 20 hours of programming and applying learned concepts through programming. (Programming is defined, by the K-12 CS Framework, as the craft of analyzing problems and designing, writing, testing, and maintaining programs to solve them.) Participation in Kentucky Technology Student Association or SkillsUSA will greatly enhance instruction.

AP Computer Science Principles IT 110-711

Grade Level: 9-12

Credit: 1

Prerequisite: *Computer Science (Incoming 9th graders must get 8th grade teacher recommendation as well as final grade in CSD).*

Description: AP Computer Science Principles introduces students to the breadth of the field of computer science. In this course, students will learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They will incorporate abstraction into programs and use data to discover new knowledge. Students will also explain how computing innovations and computing systems, including the Internet, work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical. It is important to note that the AP Computer Science Principles course does not have a designated programming language. Teachers have the flexibility to choose a programming language(s) that is most appropriate for their students to use in the classroom. Students spend at least 20 hours of programming and applying learned concepts through programming. (Programming is defined, by the K-12 CS Framework, as the craft of analyzing problems and designing, writing, testing, and maintaining programs to solve them). College credit is earned with a qualifying score on an AP exam. Participation in Kentucky Technology Student Association or SkillsUSA will greatly enhance instruction.

AP Computer Science A IT 110-701

Grade Level: 10-12

Credit: 1

Prerequisite: *Computer Literacy and APCSP and APCS A*

Description: AP Computer Science A introduces students to computer science through programming.

Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems.

The course emphasizes object-oriented programming and design using the Java programming language.

Students spend at least 20 hours of programming and applying learned concepts through programming.

(Programming is defined, by the K-12 CS Framework, as the craft of analyzing problems and designing, writing, testing, and maintaining programs to solve them). Participation in Kentucky Technology Student Association or SkillsUSA will greatly enhance instruction.

Javascript IT 110-809

Grade Level: 10-12

Credit: 1

Prerequisite: *Computer Literacy and APCSP and APCS A*

Description: This course provides students with an overview of the JavaScript scripting language. Includes

coding, testing, and debugging JavaScript programs; using a variable, operators, and data types; creating

dynamic web pages using JavaScript; controlling the behavior of forms, buttons, and text elements; and using

control structures, pattern matching, objects, and application scripts. Students spend at least 20 hours of

programming and applying learned concepts through programming. (Programming is defined, by the K-12 CS

Framework, as the craft of analyzing problems and designing, writing, testing, and maintaining programs to

solve them.) Participation in Kentucky Technology Student Association or SkillsUSA will greatly enhance instruction.

Computer Science Internship IT 110-919

Grade Level: 12

Credit: 1

Prerequisite: *completed 4 courses in the computer science pathway or 3 if enrolled in a pathway course while participating in Co-op AND Computer Science teacher recommendation*

Description: Cooperative Education for CTE courses provides supervised work site experience related to the student's identified career pathway. A student must be enrolled in an approved course during the same school year that the co-op experience is completed or have already completed the pathway the previous year. Students who participate receive a salary for these experiences, in accordance with local, state and federal minimum wage requirements according to the Work Based Learning Manual. Students spend at least 20 hours programming and applying learned concepts through programming. Programming is defined, by the K-12 CS Framework, as the craft of analyzing problems and designing, writing, testing, and maintaining programs to solve them.

English Learners (EL)

English as a Second Language I WL 160-121

Grade Level: 9-12

Credit: 1

Prerequisite: *None*

Description: Introductory course to English as a second language for the student of limited English proficiency. Course focuses on the development of the four basic communication skills of listening, speaking, reading, and writing in English. Placement through English language proficiency assessment and evaluation by the counselor and ESL specialist. This ESL course should address all four language domains (reading, writing, speaking and listening) and adhere to the WIDA English Language Development (ELD) Standards.

English as a Second Language II WL 160-122

Grade Level: 9-12

Credit: 1

Prerequisite: *Completion of EL I or placement through English language proficiency assessment and evaluation by counselor and ESL specialist.*

Description: This course continues the study of English begun in 160121. Academic content is learned through the English language, as the four basic communication skills of listening, speaking, reading, and writing in English are developed. This ESL course should address all four language domains (reading, writing, speaking and listening) and adhere to the WIDA English Language Development (ELD) Standards.

Engineering (Automation)

Automation Engineering Pathway

**Engineering I
Manufacturing Engineering
Mechatronics Engineering
Unmanned Aircraft Systems**

Engineering I ET 210-221

Grade Level: 9-12

Credit: 1

Prerequisite: *none*

Description: This course applies the skills, concepts, and principles of engineering. Students explore various technological systems and engineering processes in related career fields. Topics include investigating technological system, design optimization, and problem solving. Students utilize CAD and physical and virtual modeling concepts to construct, test, collect, and report data. Participation in Kentucky Technology Student Association will greatly enhance instruction.

Manufacturing Engineering ET 210-225

Grade Level: 10-12

Credit: 1

Prerequisite: Engineering I

Description: This is a comprehensive course designed for the study of general concepts and principles of manufacturing and manufacturing systems. This course provides for hands-on learning experience which enhances the understanding of various metallic/nonmetallic materials, processes, and products. Materials studied may include polymers, ceramics, woods, composites, and metal materials associated with manufacturing. Students have the opportunity to engage in product design, prototyping, computer-assisted manufacturing applications, CNC machines, robotics, and production management. Participation in Kentucky Technology Student Association will greatly enhance instruction.

Mechatronics Engineering ET 210-230

Grade Level: 11-12

Credit: 1

Prerequisite: Engineering I & Manufacturing Engineering

Description: Electro-Mechanical Systems courses provide students with instruction and experience with mechanical devices, actuators, sensors, electronics, intelligent controllers and computers. Students gain an understanding of the principles of electricity and mechanics and their application to gears, including hydraulic/pneumatic equipment, cams, levers, circuits, and other devices used in the manufacturing process or within manufactured goods. Participation in Kentucky Technology Student Association will greatly enhance instruction.

Unmanned Aircraft Systems ET 210-238

Grade Level: 11-12

Credit: 1

Prerequisite: Engineering I & Manufacturing Engineering & Teacher Recommendation

Description: This course provides students with the foundation in content and skills associated with robotics and automation, including artificial intelligence, electronics, physics, and principles of engineering. Participation in Kentucky Technology Student Association will greatly enhance instruction

Family & Consumer Sciences

Consumer and Family Sciences Pathways

Culinary & Food Services

FACS Essentials
Foods & Nutrition
Culinary Arts 1
Culinary Arts 2
Co-op: Culinary & Food Services

****Culinary & Food Services Pathway Courses****

FACS Essentials FCS 200-113b

Grade Level: 9 -10

Credit: 1

Prerequisite: *None*

Description: This comprehensive course provides an opportunity for acquiring basic life skills and guides students to explore and select specific areas for concentrated study. Emphasis is on family, employability skills, adolescent development, introduction of textiles, interiors and design, financial management, parenting, establishing healthy relationships, creating a foundation for healthy lifestyles, and nutrition. Leadership development will be provided through the Family, Career and Community Leaders of America (FCCLA).

Foods & Nutrition FCS 200-441b

Grade Level: 10-12

Credit: 1

Prerequisite: *FACS Essentials*

Description: This course is designed to assist students in making critical decisions about food, which contributes to health and well-being. Laboratory instruction is included as an application process. Practical problems addressed relate to attitudes toward food, nutrition facts, special health concerns and diets, management of food resources, preparation skills, food safety, sanitation, and careers in nutrition and food service. Leadership development will be provided through the Family, Career and Community Leaders of America (FCCLA).

Culinary Arts I FCS 200-411

Grade Level: 11-12

Credit: 1

Prerequisite: *FACS, Foods and Nutrition*

Description: 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.

Culinary Arts II FCS 200-412

Grade Level: 11-12

Credit: 1

Prerequisite: *FACS, Foods and Nutrition, Culinary Arts I*

Description: 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.

Co-op: Culinary Arts FCS 200-409

Grade Level: 12

Credit: 1

Prerequisite: *completed 4 courses in the Culinary & Foods pathway or 3 if enrolled in a pathway course while participating in Co-op AND FACS teacher recommendation*

Description: Cooperative Education for CTE courses provides supervised work site experience related to the student's identified career pathway. A student must be enrolled in an approved capstone course during the same school year that the co-op experience is completed. Students who participate receive a salary for these experiences, in accordance with local, state, and federal minimum wage requirements.

Health & Physical Education

**Please note that in order for students to be allowed to take upper-level physical education classes they must be on track to completing a career pathway.*

Health & Physical Education I HP 340-290b

Grade Level: 9-12

Credit: 1

Prerequisite: *None*

Description: This course is designed to give students the opportunity to learn through a comprehensive sequentially planned Physical Education program in accordance with the Kentucky Academic Standards for High School (9th-12th Grade) Physical Education. The emphasis of this course is to provide students with the skills, knowledge, attitude, and confidence to be active for a lifetime. Students will have the opportunity to develop skills in fitness/conditioning activities, individual/team sports and recreational activities. Students will learn how lifetime physical activity contributes to optimal physical, mental, emotional, and social health

Team Sports HP 340-219-61

Grade Level: 10-12

Credit: 1

Prerequisite: *Successful Completion of PE I*

Description: This course is designed for students to gain skills, knowledge, coaching tactics, and officiating knowledge about team sports, i.e. Volleyball, Handball, Tchoukball, Basketball, Softball, Flag Football, Ultimate Frisbee, Soccer, etc.

Advanced PE HP 340-219-2

Grade Level: 10-12

Credit: 1

Prerequisite: *Successful Completion of PE I*

Description: This course is designed to be an extension of Physical Education I to provide students with the advanced skills, knowledge, attitude, and confidence to be active for a lifetime.

Boys Conditioning & Weightlifting HP 340-214

Grade Level: 10-12

Credit: 1

Prerequisite: *Successful Completion of PE I*

Description: This course emphasizes conditioning activities that help develop muscular strength, muscular endurance, flexibility, and cardiorespiratory endurance.

Girls Conditioning & Weightlifting HP 340-214

Grade Level: 10-12

Credit: 1

Prerequisite: *Successful Completion of PE I*

Description: This course emphasizes conditioning activities that help develop muscular strength, muscular endurance, flexibility, and cardiorespiratory endurance. Activities include aerobic conditioning, running, weight training, etc.

Advanced Conditioning & Weightlifting HP 340-214-A

Grade Level: 9-12

Credit: 1

Prerequisite: Teacher Approval

Description: This course emphasizes advanced conditioning activities that help develop muscular strength, muscular endurance, flexibility, and cardiorespiratory endurance.

Language Arts

English I LA 230-107

Grade Level: 9

Credit: 1

Prerequisite: *None*

Description: *Course Required for Graduation. The course is designed to present a wide range of reading experiences with print and non-print materials that have literary, informational, argumentative, analytical, and practical purposes. Students use the writing process and criteria for effective writing to demonstrate their abilities to write in a variety of forms and for multiple audiences and purposes. Students use writing-to-learn and writing-to-demonstrate-learning strategies to make sense of their reading and thinking experiences. Reading, speaking, listening, and observing skills are used to communicate information for a variety of authentic purposes. In addition, students integrate inquiry skills and technology to communicate ideas. Course adheres to Kentucky Core Academic Standards requirements.

English I Honors LA 230-107-11

Grade Level: 9

Credit: 1

Prerequisite: *At benchmark on assessment tool OR C or higher in ELA AND teacher recommendation.*

Description: *Course Required for Graduation. The course is designed to present a wide range of reading experiences with print and non-print materials that have literary, informational, argumentative, analytical, and practical purposes. Students use the writing process and criteria for effective writing to demonstrate their abilities to write in a variety of forms and for multiple audiences and purposes. Students use writing-to-learn and writing-to-demonstrate-learning strategies to make sense of their reading and thinking experiences. Reading, speaking, listening, and observing skills are used to communicate information for a variety of authentic purposes. In addition, students integrate inquiry skills and technology to communicate ideas. Course adheres to Kentucky Core Academic Standards requirements.

English II LA 230-110

Grade Level: 10

Credit: 1

Prerequisite: *English I*

Description: *Course Required for Graduation. The course is designed to present a wide range of reading experiences with print and non-print materials that have literary, informational, argumentative, analytical, and practical purposes. Students use the writing process and criteria for effective writing to demonstrate their abilities to write in a variety of forms and for multiple audiences and purposes. Students use writing-to-learn and writing-to-demonstrate-learning strategies to make sense of their reading and thinking experiences. Reading, speaking, listening, and observing skills are used to communicate information for a variety of authentic purposes. In addition, students integrate inquiry skills and technology to communicate ideas. Course adheres to Kentucky Core Academic Standards requirements.

English II Honors LA 230-110-9

Grade Level: 10

Credit: 1

Prerequisite: *C or better grade in previous course AND teacher recommendation.*

Description: *Course Required for Graduation. The course is designed to present a wide range of reading experiences with print and non-print materials that have literary, informational, argumentative, analytical, and practical purposes. Students use the writing process and criteria for effective writing to demonstrate their abilities to write in a variety of forms and for multiple audiences and purposes. Students use writing-to-learn and writing-to-demonstrate-learning strategies to make sense of their reading and thinking experiences. Reading, speaking, listening, and observing skills are used to communicate information for a variety of authentic purposes. In addition, students integrate inquiry skills and technology to communicate ideas. Course adheres to Kentucky Core Academic Standards requirements.

English III LA 230-113

Grade Level: 11

Credit: 1

Prerequisite: *English II*

Description: *Course Required for Graduation. The course is designed to present a wide range of reading experiences with print and non-print materials that have literary, informational, argumentative, analytical, and practical purposes. Students use the writing process and criteria for effective writing to demonstrate their abilities to write in a variety of forms and for multiple audiences and purposes. Students use writing-to-learn and writing-to-demonstrate-learning strategies to make sense of their reading and thinking experiences. Reading, speaking, listening, and observing skills are used to communicate information for a variety of authentic purposes. In addition, students integrate inquiry skills and technology to communicate ideas. Course adheres to Kentucky Core Academic Standards requirements.

AP Language and Composition LA 230-166

Grade Level: 11

Credit: 1

Prerequisite: *English I & English II*

Description: The AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop and compose evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students cultivate their understanding of writing and rhetorical arguments through evaluating, synthesizing, and citing research to support their arguments. Throughout the course, students read and analyze rhetorical elements and their effects in non-fiction texts – including images as forms of text – from many disciplines and historical periods. College credit is earned with a qualifying score on an AP exam.

English IV LA 230-116

Grade Level: 12

Credit: 1

Prerequisite: *English III*

Description: *Course Required for Graduation. The course is designed to present a wide range of reading experiences with print and non-print materials that have literary, informational, argumentative, analytical, and practical purposes. Students use the writing process and criteria for effective writing to demonstrate their abilities to write in a variety of forms and for multiple audiences and purposes. Students use writing-to-learn and writing-to-demonstrate-learning strategies to make sense of their reading and thinking experiences. Reading, speaking, listening, and observing skills are used to communicate information for a variety of authentic purposes. In addition, students integrate inquiry skills and technology to communicate ideas. Course adheres to Kentucky Core Academic Standards requirements.

AP Literature and Composition AP 230-167

Grade Level: 12

Credit: 1

Prerequisite: *English I, English II, & English III*

Description: English IV course. The AP English Literature and Composition course aligns to an introductory college-level literary analysis course. The course engages students in the close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and perspective. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works. College credit is earned with a qualifying score on an AP exam.

AP Seminar AP 230-170

Grade Level: 9th-11th

Credit: 1

Prerequisite: *None*

Description: AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. College credit is earned with a qualifying score on an AP exam.

AP Research AP 230-171

Grade Level: 10th-11th

Credit: 1

Prerequisite: *Successful completion of the AP Seminar course*

Description: (Note: AP Seminar is a prerequisite for AP Research. Completing AP Seminar and all its required assessment components is necessary for students to develop the skills to be successful in AP Research.) AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000–5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense. College credit is earned with a qualifying score on an AP exam.

SKYCTC English 101 Freshmen Composition W.E. Dual Credit **LA 800-011DC**

Grade Level: 11-12

****Dual Credit Contract Required****

Credit: 1

Prerequisite: 3.0 GPA

Description: Focuses on academic writing. Provides instruction in drafting and revising essays that express ideas in Standard English, including reading critically, thinking logically, responding to texts, addressing specific audiences, researching and documenting sources. Includes review of grammar, mechanics and usage, Notes: (a) credit not available by special examination; (b) English 101 and 102 may not be taken concurrently; (c) AP credit in the English Language and Composition category for ENG 101 awarded as indicated by AP scoring chart in current KCTCS catalog. Pre-requisite: Placement by KCTCS Assessment and Placement Policy. Lecture: 3 credits (45 contact hours).

SKYCTC English 102 Freshman Composition II W.E. Dual Credit LA LA **800-011DC1**

Grade Level: 11-12

****Dual Credit Contract Required****

Credit: 1

Prerequisite: 3.0 GPA and a C or higher in ENG 111 or AP Language test 3 or higher or ACT score of 29 or higher

Description: Emphasizes argumentative writing. Provides further instruction in drafting and systematically revising essays that express ideas in Standard English. Includes continued instruction and practice in reading critically, thinking logically, responding to texts, addressing specific audiences, and researching and documenting credible academic sources. NOTE: Credit is not available by special examination. Pre-requisite: ENG 101. Lecture: 3 credits (45 contact hours)

Speech I (Public Speaking) LA 231-011

Grade Level: 9-12

Credit: 1

Prerequisite: *This is a performance-based course.*

Description: Content may vary. Possible topics may include research, preparation, delivery, and analysis of extemporaneous, demonstrative, persuasive (including debate and forensic techniques), and informative oral communication. Expectation of students is to prepare and participate in Speech and Debate.

Creative Writing LA 230-511

Grade Level: 9-12

Credit: 1

Prerequisite: *none*

Content for this course may vary but should provide students an opportunity to analyze and create written works such as short stories, one-act plays, poetry and/or personal, expressive pieces.

Yearbook Production I LA 239-141

Grade Level: 10-12

Credit: 1

Prerequisite: *Teacher Recommendation*

Description: Content for this course may vary. Possible topics include yearbook production, publication, format, layout, photographs, and financial management. This hands-on course applies advanced web design, publishing, and presentation concepts through the development of sophisticated documents and projects which includes, but is not limited to, websites, web databases, web movies, video editing, and production, television productions. This course is designed around the learning goals of the instructor utilizing hardware and software available. **Yearbook is a production class and a business. It requires work outside of class and the school day.**

Yearbook Production II LA 239-141-1

Grade Level: 10-12

Credit: 1

Prerequisite: *Must have **passed** Yearbook Production I and Teacher Recommendation.*

Description: Content for this course may vary. Possible topics include yearbook production, publication, format, layout, photographs, and financial management. This hands-on course applies advanced web design, publishing, and presentation concepts through the development of sophisticated documents and projects which includes, but is not limited to, websites, web databases, web movies, video editing, and production, television productions. This course is designed around the learning goals of the instructor utilizing hardware and software available. **Yearbook is a production class and a business. It requires work outside of class and the school day.**

Literary Study of Manga and Japanese Anime LA 230-140

Grade Level: 9-12

Credit: 1

Prerequisite: *None*

Description: Special Topics: reading and critiquing; world classical literature.

Mathematics

Algebra I MA 270-304

Grade Level: 9-11

Credit: 1

Prerequisite: *Successful completion of 8th grade math*

Description: This course is the study of high school Algebra 1 content. Upon completion of the course, students should be able to represent relationships mathematically, develop fluency in writing, interpret expressions and equations, translate between various forms of linear equations and inequalities, and use them to solve problems including those that require a system of equations, solve linear equations, apply related solution techniques and the laws of exponents to solve simple exponential equations, understand function definition and notation, contrast linear and exponential graphical representations, make judgments about the appropriateness of linear models, perform arithmetic operations on inequalities, interpret functions and fluently use function notation, construct and compare linear and exponential models and solve related problems, factor quadratic and cubic expressions solve quadratic equations to interpret related quadratic functions and explore non-linear relationships. This course should be designed to meet the high school graduation credit for Algebra 1 and to build a solid foundation necessary for future high school math courses.

This course contains "modeling" standards. Modeling links classroom mathematics and statistics to everyday life, work, and decision-making. Mathematical modeling is the process of choosing and applying appropriate mathematical content to analyze empirical situations. When making mathematical models, technology is valuable for varying assumptions, exploring consequences, and comparing predictions with data. Modeling is best interpreted not as a collection of isolated topics but rather in relation to other standards. Making mathematical models is a Standard for Mathematical Practice, and specific modeling standards appear throughout the high school standards indicated by a star symbol (★).

Algebra I Honors MA 270-304-9

Grade Level: 9-11

Credit: 1

Prerequisite: *8th grade math with a C or higher average grade*

Description: This course is the study of high school Algebra 1 content. Upon completion of the course, students should be able to represent relationships mathematically, develop fluency in writing, interpret expressions and equations, translate between various forms of linear equations and inequalities and use them to solve problems including those that require a system of equations, solve linear equations, apply related solution techniques and the laws of exponents to solve simple exponential equations, understand function definition and notation, contrast linear and exponential graphical representations, make judgments about the appropriateness of linear models, perform arithmetic operations on inequalities, interpret functions and fluently use function notation, construct and compare linear and exponential models and solve related problems, factor quadratic and cubic expressions solve quadratic equations to interpret related quadratic functions, and explore non-linear relationships. This course should be designed to meet the high school graduation credit for Algebra 1 and to build a solid foundation necessary for future high school math courses. This course contains "modeling" standards. Modeling links classroom mathematics and statistics to everyday life, work, and decision-making. Mathematical modeling is the process of choosing and applying appropriate mathematical content to analyze empirical situations. When making mathematical models, technology is valuable for varying assumptions, exploring consequences, and comparing predictions with data. Modeling is best interpreted not as a collection of isolated topics but rather in relation to other standards. Making mathematical models is a Standard for Mathematics.

Geometry MA 270-401

Grade Level: 9-12

Credit: 1

Prerequisite: *Algebra I*

Description: This course is the study of high school Geometry content. Upon completion of the course, students should be able to prove theorems and solve problems about triangles, quadrilaterals, and other polygons, apply reasoning to complete geometric constructions and explanations, establish triangle congruence criteria based on analyses of rigid motions and formal constructions, use similarity to solve problems and apply similarity in right triangles to understand right triangle trigonometry (with particular attention to special right triangles and the Pythagorean theorem), develop the Law of Sines and Cosines from understanding relationships in right triangles, apply knowledge of two-dimensional shapes to consider the shapes of cross-sections and the result of rotating a two-dimensional object about a line, connect algebraic concepts to geometric concepts through the rectangular coordinate system (such as deriving the equation of a circle given the center and radius length using the distance formula or Pythagorean Theorem), and prove basic theorems about circles, chords, secants, and tangents.

Since the content of Applied Geometry, Technical Geometry, Honors Geometry, Accelerated Geometry and other courses named as an interdisciplinary geometry is "High School Geometry", the course code 270401 - HS Geometry should be used; however, this course may be titled locally as Applied Geometry, Technical Geometry, Honors Geometry, Accelerated Geometry, MST Geometry or named as an interdisciplinary Geometry. This course contains "modeling" standards. Modeling links classroom mathematics and statistics to everyday life, work, and decision-making. Mathematical modeling is the process of choosing and applying appropriate mathematical content to analyze empirical situations. When making mathematical models, technology is valuable for varying assumptions, exploring consequences, and comparing predictions with data. Modeling is best interpreted not as a collection of isolated topics but rather in relation to other standards.

Geometry College Prep MA 270-401-CP

Grade Level: 9-12

Credit: 1

Prerequisite: *Algebra I & are College Bound*

Description: This course is designed so that students develop the relevant skills and concepts from the Kentucky Core Academic Standards beyond the Algebra 1 course and then builds on those. This course is the study of high school Geometry content. Upon completion of the course, students should be able to prove theorems and solve problems about triangles, quadrilaterals, and other polygons, apply reasoning to complete geometric constructions and explanations, establish triangle congruence criteria based on analyses of rigid motions and formal constructions, use similarity to solve problems and apply similarity in right triangles to understand right triangle trigonometry (with particular attention to special right triangles and the Pythagorean theorem), develop the Law of Sines and Cosines from understanding relationships in right triangles, apply knowledge of two-dimensional shapes to consider the shapes of cross-sections and the result of rotating a two-dimensional object about a line, connect algebraic concepts to geometric concepts through the rectangular coordinate system (such as deriving the equation of a circle given the center and radius length using the distance formula or Pythagorean Theorem), and prove basic theorems about circles, chords, secants, and tangents.

Since the content of Applied Geometry, Technical Geometry, Honors Geometry, Accelerated Geometry and other courses named as an interdisciplinary geometry is "High School Geometry", the course code 270401 - HS Geometry should be used; however, this course may be titled locally as Applied Geometry, Technical Geometry, Honors Geometry, Accelerated Geometry, MST Geometry or named as an interdisciplinary Geometry. This course contains "modeling" standards. Modeling links classroom mathematics and statistics to everyday life, work, and decision-making. Mathematical modeling is the process of choosing and applying appropriate mathematical content to analyze empirical situations. When making mathematical models, technology is valuable for varying assumptions, exploring consequences, and comparing predictions with data. Modeling is best interpreted not as a collection of isolated topics but rather in relation to other standards.

Geometry Honors MA 270-401-F1

Grade Level: 9-10

Credit: 1

Prerequisite: *Algebra I with a B average or better and/or Algebra I teacher recommendation*

Description: This course is designed so the students can develop skills and concepts from the relevant statements in the Kentucky Core Academic Standards for Mathematics in order to earn the high school graduation credit for Geometry at an accelerated pace. *This course moves at a faster pace and provides a more in-depth study than Geometry. It is designed to assist students who plan to take AP math courses.*

This course is the study of high school Geometry content. Upon completion of the course, students should be able to prove theorems and solve problems about triangles, quadrilaterals, and other polygons, apply reasoning to complete geometric constructions and explanations, establish triangle congruence criteria based on analyses of rigid motions and formal constructions, use similarity to solve problems and apply similarity in right triangles to understand right triangle trigonometry (with particular attention to special right triangles and the Pythagorean theorem), develop the Law of Sines and Cosines from understanding relationships in right triangles, apply knowledge of two-dimensional shapes to consider the shapes of cross-sections and the result of rotating a two-dimensional object about a line, connect algebraic concepts to geometric concepts through the rectangular coordinate system (such as deriving the equation of a circle given the center and radius length using the distance formula or Pythagorean Theorem), and prove basic theorems about circles, chords, secants, and tangents. This course contains "modeling" standards. Modeling links classroom mathematics and statistics to everyday life, work, and decision-making. Mathematical modeling is the process of choosing and applying appropriate mathematical content to analyze empirical situations. When making mathematical models, technology is valuable for varying assumptions, exploring consequences, and comparing predictions with data. Modeling is best interpreted not as a collection of isolated topics but rather in relation to other standards.

Algebra II MA 270-311

Grade Level: 9-12

Credit: 1

Prerequisite: *Algebra I, Geometry*

Description: This course is the study of high school Algebra 2 content. Upon completion of the course, students should be able to use properties of numerical operations to perform calculations involving polynomials, identify zeros of polynomials and make connections between zeros of polynomials and solutions of geometry to extend trigonometry to model periodic phenomena, work with a variety of function families exploring the effects of transformations, analyze functions using different representations, build, interpret and compare functions including square root, cube root, piece-wise, trigonometric and logarithmic functions, identify appropriate functions to model situations, adjust parameters to improve the models, and compare models by analyzing appropriateness of fit.

This course contains "modeling" standards. Modeling links classroom mathematics and statistics to everyday life, work, and decision-making. Mathematical modeling is the process of choosing and applying appropriate mathematical content to analyze empirical situations. When making mathematical models, technology is valuable for varying assumptions, exploring consequences, and comparing predictions with data. Modeling is best interpreted not as a collection of isolated topics but rather in relation to other standards. Making mathematical models is a Standard for Mathematical Practice, and specific modeling standards appear throughout the high school standards indicated by a star symbol.

Algebra II College Prep MA 270-311-CP

Grade Level: 9-12

Credit: 1

Prerequisite: *Algebra I, Geometry & are College Bound*

Description: : This Algebra 2 course is provided for students who intend to continue their studies at the post-secondary level. This course is the study of high school Algebra 2 content. Upon completion of the course, students should be able to use properties of numerical operations to perform calculations involving polynomials, identify zeros of polynomials and make connections between zeros of polynomials and solutions of geometry to extend trigonometry to model periodic phenomena, work with a variety of function families exploring the effects of transformations, analyze functions using different representations, build, interpret and compare functions including square root, cube root, piece-wise, trigonometric and logarithmic functions, identify appropriate functions to model situations, adjust parameters to improve the models, and compare models by analyzing appropriateness of fit.

This course contains "modeling" standards. Modeling links classroom mathematics and statistics to everyday life, work, and decision-making. Mathematical modeling is the process of choosing and applying appropriate mathematical content to analyze empirical situations. When making mathematical models, technology is valuable for varying assumptions, exploring consequences, and comparing predictions with data. Modeling is best interpreted not as a collection of isolated topics but rather in relation to other standards. Making mathematical models is a Standard for Mathematical Practice, and specific modeling standards appear throughout the high school standards indicated by a star symbol.

Algebra II Honors MA 270-311PA2

Grade Level: 9-12

Credit: 1

Prerequisite: *Algebra I with a B average or better, Geometry CP with a B average or better, and/or Geometry teacher recommendation*

Description: This course is designed so that students develop the relevant skills and concepts from the Kentucky Core Academic Standards beyond the Algebra 1 course and then builds on those in a rigorous manner. This Algebra 2 course with enrichments is provided for students who intend to take more advanced mathematics classes while in high school.

This course is the study of high school Algebra 2 content. Upon completion of the course, students should be able to use properties of numerical operations to perform calculations involving polynomials, identify zeros of polynomials and make connections between zeros of polynomials and solutions of geometry to extend trigonometry to model periodic phenomena, work with a variety of function families exploring the effects of transformations, analyze functions using different representations, build, interpret and compare functions including square root, cube root, piece-wise, trigonometric and logarithmic functions, identify appropriate functions to model situations, adjust parameters to improve the models, and compare models by analyzing appropriateness of fit.

This course contains "modeling" standards. Modeling links classroom mathematics and statistics to everyday life, work, and decision-making. Mathematical modeling is the process of choosing and applying appropriate mathematical content to analyze empirical situations. When making mathematical models, technology is valuable for varying assumptions, exploring consequences, and comparing predictions with data. Modeling is best interpreted not as a collection of isolated topics but rather in relation to other standards. Making mathematical models is a Standard for Mathematical Practice, and specific modeling standards appear throughout the high school standards indicated by a star symbol (★).

Technical Mathematics MA 270-643

Grade Level: 12

Credit: 1

Prerequisite: *Algebra I, Geometry, and Algebra II*

Description: This course is designed for students who have completed Algebra 1, Geometry, and Algebra 2 content and should allow students to pursue topics in mathematics beyond content required for high school students. This course may cover topics from combined higher-level courses or topics which are not found in other higher-level courses but are of interest to students for college and career readiness. This course should be locally named according to the major content of the course.

Advanced Technical Mathematics MA 270-643-1

Grade Level: 12

Credits: 1

Prerequisite: *Algebra I, Geometry, and Algebra II. Students who have not met College Readiness Benchmark of 19 and above will be enrolled in Adv. Math Topics. **This course is for college bound seniors that have not met Math benchmark.***

Description: This course is designed to be taken after completion of Algebra 1, Geometry, and Algebra 2. Topics include probability and statistics, extension of algebra and geometry concepts, and discrete mathematics. This course will serve as a mathematics elective for high school graduation (their 4th math credit).

Pre-Calculus MA 270-501

Grade Level: 10-12

Credit: 1

Prerequisite: *Algebra I with a B average or better, Geometry with a B average or better, Algebra II with a B average or better, and/or Algebra II teacher recommendation.*

Description: 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. Objectives for this course should include, but are not limited to: solve equations and inequalities involving polynomial, rational, exponential, logarithmic and trigonometric functions, understand and apply the behavior and properties of polynomial, rational, exponential, logarithmic, and trigonometric functions, graph polynomial, rational, exponential, logarithmic, and trigonometric functions, use technology to solve and graph various types of equations and inequalities, and prove trigonometric identities. Standards for this course may also include the (+) standards denoted in the Kentucky academic standards document.

Probability and Statistics MA 270-602b

Grade Level: 10-12

Credit: 1

Prerequisite: *Successfully pass Algebra I, Geometry, and Algebra II with a C average or better, and/or Algebra II teacher recommendation*

Description: This course should focus primarily on the conceptual category of Statistics & Probability. If students have not completed courses containing all the required Kentucky Academic Standards for Mathematics, a Probability and Statistics course should attend to standards students still need. Upon completion of this course, students should be able to (1) summarize, represent, and interpret data on a single count or measurement variable; (2) summarize, represent, and interpret data on two categorical and quantitative variables; (3) interpret linear, quadratic, and exponential models; (4) understand and evaluate random processes underlying statistical experiments; and (5) make inferences and justify conclusions from sample surveys, experiments, and observational studies. (6) understand independence and conditional probability and use them to interpret data; (7) use the rules of probability to compute probabilities of compound events in a uniform probability model; (8) calculate expected values and use them to solve problems; and (9) use probability to evaluate outcomes of decisions.

AP Calculus AB MA 270-513

Grade Level: 11-12

****AP Contract – Required****

Credit: 1

Prerequisite: *Pre-Calculus & Pre-Calculus teacher recommendation*

Description: AP Calculus AB is roughly equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. The AP course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. College credit is earned with a qualifying score on an AP exam.

AP Calculus BC MA 270-514

Grade Level: 12

****AP Contract – Required****

Credit: 1

Prerequisite: *AP Calculus AB*

Description: AP Calculus BC is roughly equivalent to both first and second semester college calculus courses. It extends the content learned in AB to different types of equations (polar, parametric, vector-valued) and new topics (such as Euler's method, integration by parts, partial fraction decomposition, and improper integrals), and introduces the topic of sequences and series. The AP course covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, the Fundamental Theorem of Calculus, and series. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. College credit is earned with a qualifying score on an AP exam.

Miscellaneous

STLP (Student Technology Leadership Program) MIS 904-030-1

Grade Level: 9-11

Credits: 1

Prerequisites: *Application / Selection process by instructor with input from Middle School STLP instructor.*

Description: This course is for students participating in the Student Technology Leadership Program (STLP) as part of their course schedule.

Raider Leadership MIS 909-995-20

Grade Level: 10-12

Credits: 1

Prerequisites: *Application / Selection process by instructor*

Description: This course is designed to teach a variety of communication, organization, and leadership skills. Students will be in charge of planning school wide events, school wide public speaking, partaking in various community services activities, and attending leadership conferences.

Jobs for America's Graduates (JAG) MIS 909-995-6

Grade Level: 9-12

Credits: 1

Prerequisites: *Demographic information used for selection process by instructor*

Description: Jobs for America's Graduates (JAG) is a nonprofit youth development program dedicated to helping young people graduate from high school and make successful transitions to postsecondary education or meaningful employment. In this class you will engage in learning about topics such as career options, employability skills, job attainment skills, and job survival skills.

Music Department

Instrumental Music Classes

Symphonic Band VP 500-917-1

Grade Level: 9-12

Credit: 1

Prerequisite: Students participating in band must enroll in both fall and spring semesters and will receive two credits. Students must receive band director approval and be enrolled in band previously.

Description: Courses in Symphonic Band are designed to promote students' playing technique for brass, woodwind, and percussion instruments, and cover a variety of music styles. Literature for Symphonic Band courses is usually more advanced and incorporates orchestral literature transcribed for band. These courses emphasize rehearsal and performance experiences and also include experiences in creating and responding to music. These courses teach students the appropriate care, handling, and maintenance of musical instruments. Symphonic band courses are offered on multiple skill levels to accommodate proficiency.

NOTE: This class is co-curricular, includes after school activities, and materials cost. See band handbook for further explanation.

String Orchestra VP 500-919

Grade Level: 9 - 12

Credits: 1

Prerequisite: Students participating in string orchestra must enroll in both fall and spring semesters and will receive two credits. Students must receive director approval and be enrolled in strings previously.

Description: Strings courses provide students an introduction to, and refine the fundamentals of, music and bowed-string instrument literature and techniques and may include more advanced techniques. These courses teach students the appropriate care, handling, and maintenance of musical instruments. Formal and informal performances are included as part of String instrument instructional programs as well as experiences in creating and responding to music. String Orchestra courses are offered on multiple skill levels to accommodate proficiency.

Percussion Ensemble VP 500-920-1

Grade Level: 9 - 12

Credits: 1

Prerequisite: Students participating in percussion ensemble must enroll in both fall and spring semesters and will receive two credits. **Students must receive director approval and be enrolled in Percussion Ensemble previously.**

Description: Students study and perform a variety of contemporary or popular styles, such as traditional jazz, jazz improvisation, and rock. These courses also cultivate students' technique on instruments appropriate to the style(s) performed -- brass, woodwind, string, percussion instruments, and/or electronic. These ensembles may include both instrumental and vocal music. Coursework provides students with opportunities for growth through rehearsal and performance, improvisation, or creating and performing their own compositions and also include experiences in responding to music. These courses teach students the appropriate care, handling, and maintenance of musical instruments. Courses are offered on multiple levels to accommodate proficiency.

NOTE: This class is co-curricular, includes after school activities, and materials cost. See band handbook for further explanation.

Vocal Music Classes

Vocal Ensemble VP 500-926-13

Grade Level: 9-12

Credits: 1

Prerequisite: Students signing up for choir will be placed into ensembles based on their ability level.

Description: Students refine vocal techniques and the ability to sing parts in small ensembles. Students develop vocal techniques focusing primarily on musical literature styles such as chamber, madrigal, traditional jazz, jazz improvisation, popular, rock, barber shop, gospel, show choir, and cultural. These ensembles may include both instrumental and vocal music such as a small vocal ensemble with instrumental accompaniment. Course goals include the development of solo singing ability and emphasize one or several ensemble literature styles. These ensembles include experiences in creating and responding to music. Courses are offered on multiple levels to accommodate proficiency.

NOTE: *Any 10-12th student wishing to audition for All-State must be in a choir both semesters to be eligible to audition.*

Choir Lab VP 500-926-16

Grade Level: 10 – 12

Credits: 1

Prerequisite: *None*

Description: This is a great opportunity for students who love to sing but are unable to commit to after school obligations. In this class we will learn how to sing with good technique, how to sight-read, and how to convey an artist's expressive intent by working together. We will learn, critique, and perform songs during the scheduled class time. *No after school concerts will be required.*

Beginning Choir VP 500-926-17

Grade Level: 9

Credits: 1

Prerequisite: *None*

Description: This is a great opportunity for beginning vocalists who love to sing and are interested in beginning or continuing their vocal technique. In this class we will learn how to sing with good vocal structure, how to sight-read, and how to convey an artist's expressive intent by working together. We will learn, critique and perform songs. There will be ONE required after school concert.

NOTE: *This class is co-curricular & includes ONE after school concert.*

Advanced Vocal Ensemble VP 500-926-1

Grade Level: 10 – 12

Credits: 1

Prerequisite: *Teacher Approval*

Description: This is a great opportunity for students who love to sing and perform for an audience. This class will have required after school concerts. In this class we will learn how to sing with good technique, how to sight-read, and how to convey an artist's expressive intent by working together. We will learn, critique and perform songs in concerts both during and after school. This class will also have several opportunities to perform in the community.

NOTE: *This class is co-curricular & includes after school activities.*

Musical Theater VP 500-533

Grade Level: 10-12

Credits: 1

Prerequisite: *None*

Description: Students experience various aspects of musical theater, including auditioning, singing, acting, and dancing. They review the history and evolution of musical theater, its literature and artists, and styles of composition and vocal presentation. Students work collaboratively on performances, including solo, duet, and ensemble work. These courses may also provide a discussion of career and post-secondary placement opportunities.

General Music VP 500-911

Grade Level: 9-12

Credits: 1

Prerequisite: *None*

Description: General Music courses provide students with access to a variety of musical experiences, including creating, performing, and responding to music. They include the study of the elements of music, music styles, historical and cultural contexts, including study of instrumental music (acoustic and electronic) and vocal music. Courses include instruction that involves understanding music as creative expression and communication, developing skill with the voice and/or musical instruments, and refining the ability to discern and critique. Although performance is a part of the course, the focus is on learning about music. Public performance may be a part of the learning process.

Science

Physics with Earth/Space Science SC 304-898-1

Grade Level: 9-12

Credit: 1

Prerequisite: *None*

Description: Students develop a conceptual understanding of physics and Earth/space science content, as outlined in the Kentucky Academic Standards for Science, through the use of the science and engineering practices. They experience physics and Earth/space science concepts such as motions and forces, conservation of energy and the increase in disorder, interactions of energy and matter, and energy in the Earth system. Students will learn these core ideas through the use of the science and engineering practices and crosscutting concepts. The science and engineering practices are skills students will use as they investigate the natural world and develop solutions to problems. The crosscutting concepts are conceptual ways of thinking that cross the domains of science.

Honors Physics with Earth/Space Science SC 304-898-2

Grade Level: 9-12

Credit: 1

Prerequisite: *None*

Description: Students develop a conceptual understanding of physics as outlined in the Kentucky Academic Standards for Science. They experience concepts such as motions and forces, conservation of energy and the increase in disorder, interactions of energy and matter. Students will learn these core ideas through the use of the science and engineering practices and crosscutting concepts. The science and engineering practices are skills students will use as they investigate the natural world and develop solutions to problems. The crosscutting concepts are conceptual ways of thinking that cross the domains of science. They experience physics and Earth/space science concepts such as motions and forces, conservation of energy and the increase in disorder, interactions of energy and matter, and energy in the Earth system. Students will learn these core ideas through the use of the science and engineering practices and crosscutting concepts. The science and engineering practices are skills students will use as they investigate the natural world and develop solutions to problems. The crosscutting concepts are conceptual ways of thinking that cross the domains of science.

Chemistry with Earth/Space Science SC 304-598-2

Grade Level: 10-12

Credit: 1

Prerequisite: *Successful completion of Physics with Earth/Space*

Description: Students develop a conceptual understanding of Chemistry and Earth/Space Science, as outlined in the Kentucky Academic Standards for Science, through the use of the science and engineering practices. They experience chemistry and Earth/space science concepts such as the structure of atoms, structure and properties of matter, chemical reactions, geochemical cycles, and formation and ongoing changes of the universe. The use of the science practices describes the behaviors students will engage in as they investigate the natural world. Students will learn these core ideas within these topics through the use of the science and engineering practices and crosscutting concepts. The science and engineering practices are skills students will use as they investigate the natural world and develop solutions to problems. The crosscutting concepts are conceptual ways of thinking that cross the domains of science.

Honors Chemistry with Earth/Space Science SC 304-598-3

Grade Level: 10-12

Credit: 1

Prerequisite: *Successful completion of Physics with Earth/Space*

Description: This course focuses on problem solving techniques, bonding, equilibrium, and equations. Students develop a conceptual understanding of chemistry content, outlined in the Kentucky Academic Standards. Students will learn these core ideas within these topics through the use of the science and engineering practices and crosscutting concepts. The science and engineering practices are skills students will use as they investigate the natural world and develop solutions to problems. The crosscutting concepts are conceptual ways of thinking that cross the domains of science.

They experience chemistry and Earth/space science concepts such as the structure of atoms, structure and properties of matter, chemical reactions, geochemical cycles, and formation and ongoing changes of the universe. The use of the science practices describes the behaviors students will engage in as they investigate the natural world. Students will learn these core ideas within these topics through the use of the science and engineering practices and crosscutting concepts. The science and engineering practices are skills students will use as they investigate the natural world and develop solutions to problems. The crosscutting concepts are conceptual ways of thinking that cross the domains of science.

Biology SC 302-601

Grade Level: 11

Credits: 1

Prerequisite: *Successful completion of Physics with Earth/Space and Chemistry with Earth/Space*

Description: Students develop a conceptual understanding of biological sciences as outlined in the Kentucky Academic Standards for Science. They experience concepts such as the cellular organization; molecular basis of heredity; biological change; interdependence of organisms; matter, energy and organization in living systems; and behavior of organisms. Students will learn these core ideas through the use of the science and engineering practices and crosscutting concepts. The science and engineering practices are the tools students will use and skills they develop as they investigate the natural world and develop solutions to problems. The crosscutting concepts are conceptual ways of thinking that cross the domains of science.

AP Biology SC 302-646

Grade Level: 11-12

Credit: 1

Prerequisite: *Successful completion of Physics with Earth/Space and Chemistry with Earth/Space, and Biology*

Description: AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions. College credit is earned with a qualifying score on an AP exam.

AP Chemistry SC 304-526

Grade Level: 10-12

Credit: 1

Prerequisite: *Successful completion of Physics with Earth/Space, Chemistry with Earth/Space course and Algebra II*

Description: The AP Chemistry course provides students with a college-level foundation to support future advanced course work in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. College credit is earned with a qualifying score on an AP exam.

Social Studies

Geography and Economics SS 450-709-6

Grade Level: 9

Credit: 1

Prerequisite: *None*

Description: Integrated Social Studies is an introductory survey of the various areas of social studies. It is designed to give the student exposure to different topics of social studies to prepare them for the more intensive studies that they will be participating in future courses.

AP Human Geography SS 450-712

(This course satisfies Geography and Economics requirement)

Grade Level: 9

Credit: 1

Prerequisite: AP contract and *Teacher recommendation*

Description: This course is equivalent to an introductory college-level course in human geography. The course introduces 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 socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. College credit is earned with a qualifying score on an AP exam.

United States History SS 450-812-2

Grade Level: 10-11

Credit: 1

Prerequisite: *None*

Description: U.S. History Survey is a basic overview of the history from post-reconstruction to present, government institutions, and applications to daily living.

HIS 109 Dual Credit United States History- SS 800-051-14

(Dual Credit through SKYCTC at WEHS)

Grade Level: 10-11

****Dual Credit Contract Required****

Credit: 1

Prerequisite: 2.5 GPA

Description: This course is a basic overview of the history from reconstruction era to present, government institutions, and applications to daily living. Students enrolled in this course will receive dual credit through SKYCTC.

AP U.S. History SS 450-814

Grade Level: 10-11

Credit: 1

Prerequisite: *None*

Description: This course focuses on the development of historical thinking skills (chronological reasoning, comparing and contextualizing, crafting historical arguments using historical evidence, and interpreting and synthesizing historical narrative) and the development of students' abilities to think conceptually about U.S. history from approximately 1491 to the present. Seven themes of equal importance - American and National Identity; Migration and Settlement; Politics and Power; Work, Exchange, and Technology; America in the World; Geography and the Environment; and Culture and Society - provide areas of historical inquiry for investigation throughout the course. These require students to reason historically about continuity and change over time and make comparisons among various historical developments in different times and places. The course also allows teachers flexibility across nine different periods of U.S. history to teach topics of their choice in depth. College credit is earned with a qualifying score on an AP exam.

World Civilization SS 450-837-1

Grade Level: 11-12

Credit: 1

Prerequisite: *None*

Description: Modern World History is a survey of pre-renaissance, nations' development, and wars.

HIS 102 Dual Credit World Civilization-(Dual Credit through SKYCTC at WEHS SS 800-051-13

Grade Level: 11-12

****Dual Credit Contract Required****

Credit: 1

Prerequisite: 2.5 GPA

Description: Modern World History is a survey of pre-renaissance, nations' development, and wars. Students enrolled in this course will receive dual credit through SKYCTC.

AP World History: Modern SS 450-876

Grade Level: 11-12

Credit: 1

Prerequisite: *None*

Description: AP World History is designed to be the equivalent of a two-semester introductory college or university world history course. In AP World History students investigate significant events, individuals, developments, and processes in six historical periods from approximately 1200-present.. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical comparisons; and utilizing reasoning about contextualization, causation, and continuity and change over time. The course provides five themes that students explore throughout the course in order to make connections among historical developments in different times and places: interaction between humans and the environment; development and interaction of cultures; state building, expansion, and conflict; creation, expansion, and interaction of economic systems; and development and transformation of social structures. College credit is earned with a qualifying score on an AP exam.

Sociology SS 451-121

(THIS COURSE WILL BE OFFERED DURING EVEN SCHOOL YEARS)

Grade Level: 9-12

Credit: 1

Prerequisite: *None*

Description: Sociology is the scientific study of human society. It is concerned with the behavior of human beings in group situations. The study of sociology consists of trying to understand the basic units and institutions of social life, such as the family, schools, neighborhoods, rural and urban communities, political, religious, ethnic, family, economic status, or ideology. The sociological perspectives focus on how those social relationships arise, why they persist, why antagonisms develop, and how they maintain social order to contribute to social change.

Law and Justice SS 451-039

Grade Level: 9 - 12

Credits: 1

Prerequisite: *None*

Description: Law and Justice is a study of law- civil, criminal, constitutional, and international and the legal and justice systems. Students will examine the need for rules and regulations; interpretations of the constitution, both state and federal; Supreme Court decisions; the Bill of Rights; and individual rights law, criminal law, family law, and consumer law. The study of the basic social contracts of society will enable students to understand the preferred democratic values: justice, equality, responsibility, freedom, rule of law, human rights, honesty, equity, rational process, and human dignity.

Psychology SS 459-901

(THIS COURSE WILL BE OFFERED DURING ODD SCHOOL YEARS)

Grade Level: 9-12

Credits: 1

Prerequisite: *None*

Description: Psychology is an introduction to the basic scientific theoretical principles of individual human behavior. Students will be exposed to various topics in the field of psychology research.

AP Psychology SS 459-902

(THIS COURSE WILL BE OFFERED DURING ODD SCHOOL YEARS)

Grade Level: 9-12

Credits: 1

Prerequisite: *None*

Description: This course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, development psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. College credit is earned with a qualifying score on an AP exam.

Teaching and Learning Track

*NOTE: This pathway is entirely dual credit based.

The Learning Community(EDU 250-Discover Teaching) PTC 331-030

Grade Level: 9-12

Credit: 1

Prerequisite:

Description: In this course, The Learning Community, students develop an understanding of the various responsibilities and systems involved in the K-12 educational system. Specifically, students will acquire the knowledge of education through the perspectives of classroom, school, district, state, and federal roles. NOTE: Teacher Certification requirements for this course: Must have a Rank II valid teaching certificate, plus 5 years teaching experience.

The Learner-Centered Classroom (EDU-260- Classroom Assessment) PTC 331-031

Grade Level: 10-12

Credit: 1

Prerequisite: *The Learning Community*

Description: In this course, The Learning Community, students develop an understanding of the various responsibilities and systems involved in the K-12 educational system. Specifically, students will acquire the knowledge of education through the perspectives of classroom, school, district, state, and federal roles. NOTE: Teacher Certification requirements for this course: Must have a Rank II valid teaching certificate, plus 5 years teaching experience

The Professional Educator (EDU 350- Diversity and Differentiation in the Classroom) PTC 331-032

Grade Level: 10-12

Credit: 1

Prerequisite: *The Learning Community*

Description: In this course, The Professional Educator, students will develop an understanding of how educators advance their profession within the classroom. Specifically, students will gain both the knowledge and skills to plan, deliver, and reflect on the process of teaching and learning. NOTE: Teacher Certification requirements for this course: Must have a Rank II valid teaching certificate, plus 5 years teaching experience.

Collaborative Clinical Experience (EDU 360 –Behavior and Classroom Management) PTC 331033

Grade Level: 11-12

Credit: 1

Prerequisite: *The Learning Community, The Professional Educator*

Description: In this course, students will refine the required knowledge and skills to be an effective educator while also practicing the dispositions necessary for the educational profession. Specifically, students will gain an understanding of how teachers lead through individual and collaborative growth and reflection. Students participate in clinical experiences. This is a student teaching experience where students should spend almost all their time in a classroom learning setting appropriate to their intended teaching discipline. NOTE: Teaching and Learning Pathway requirements for this course: Must hold a professional Kentucky teaching certificate in any content area, have a minimum of a Rank II, and 5 years teaching experience.

Optional Recommended Course: EDU 400 – Capstone: Problem of Practice

Grade Level: 12

Credit: 1

Prerequisite: *The Learning Community*

Description:

World Language

Two credits of the same language are required for the academic diploma

Spanish I WL 161-108

Grade Level: 9-11

Credit: 1

Prerequisite: 9th graders must have an RI of 1130 or above to request this course, Academic diploma track, or interest in Spanish with demonstration of ability to handle rigor of the course.

Specific Criteria: Students must actively engage in listening to and speaking Spanish.

Description: This course prepares students to be able to read, listen, converse, speak, and write about familiar topics at Novice Mid Level. This course also prepares students to be able to identify and make connections between products, practices, and perspectives of world cultures.

Spanish II WL 161-109

Grade Level: 10-12

Credit: 1

Prerequisite: Successful completion of Spanish 1, academic diploma track, or interest in Spanish with demonstration of ability to handle rigor of the course.

Specific Criteria: Students must actively engage in listening to and speaking Spanish.

Description: This course prepares students to be able to read, listen, converse, speak, and write about familiar topics at Novice Mid to Novice High level. This course also prepares students to be able to identify and make connections between products, practices, and perspectives of world cultures

Spanish III WL 161-110

Grade Level: 11-12

Credit: 1

Prerequisite: Successful completion of Spanish 1 and Spanish 2 or Heritage Spanish 1 and 2, academic diploma track, interest in achieving the Seal of Biliteracy, or interest in Spanish with demonstration of ability to handle rigor of the course.

Specific Criteria: Students must actively engage in listening to and speaking Spanish.

Description: Students extend their language-learning journey by targeting Intermediate-level language for real-world contexts. Intermediate-level language includes communicating in Spanish beyond one's immediate environment and everyday life to include some topics of general interest. Students communicate with simple original expressions, connected strings of sentences, and some narration in various time frames. Effective communicators can demonstrate Spanish-language knowledge through all modes of communication: interpretive (reading and listening), interpersonal (written and spoken conversations), and presentational (written and spoken) which necessitates regular Spanish language use in the classroom by students and teachers. Students use the language to compare products, practices, and perspectives within Spanish-speaking cultures as they interact in interculturally appropriate ways.

Heritage Spanish I WL 161-141

Grade Level: 9-12

Credit: 1

Prerequisite: Functional native or heritage ability in spoken Spanish.

Description: High School course for native and heritage speakers of Spanish.

Heritage Spanish II WL 161-142

Grade Level: 10-12

Credit: 1

Prerequisite: *Functional native or heritage ability in spoken Spanish.*

Description: High School course which develops literacy skills for native speakers.

Changes in course handbooks can be made, if necessary, during the school year at the discretion of the principal.

Warren County Area Technology Center Programs



Enrollment Requirements

Safety:

Students must demonstrate professionalism and safety-conscious behavior while at the Area Technology Center (ATC). To be considered for enrollment in the ATC, students should have:

- fewer than three discipline referrals during their high school career
- zero referrals for tobacco, vape or drug offenses. Operating machinery while under the influence of substances creates a significant safety risk.
- zero referrals for fighting or physical aggression.

Students not meeting these requirements who wish to enroll at the ATC must attend a meeting (virtual or in-person) with the ATC principal, their home school administrator and parent. If admitted, the student and parent should understand that discipline infractions after enrollment warrants dismissal from the ATC program. After enrollment, each student must pass a general safety test, a course-specific safety test, and OSHA 10 certification.

Academic Achievement:

The Warren County ATC offers many dual credit opportunities for students. To afford our students as many opportunities as possible, the ATC adopts the same admission requirements as KCTCS.

For technical courses, KCTCS and the Warren County ATC require:

- Cumulative high school GPA of 2.0 or higher
OR
- ACT Composite score of 16 or higher
OR
- SAT 230 or higher on Math
- SAT 440 or higher on Evidence Based Reading and Writing

Students not meeting one of these three requirements who wish to enroll at the ATC must attend a meeting (virtual or in-person) with the ATC principal, their home school administrator

and parent. If admitted, the student and parent should understand that ATC Grades below 60% after enrollment warrants dismissal from the ATC program.

Students with an IEP or 504 plan represent an underserved population for Career and Technical Education purposes. To ensure success in technical education enrollment requires consultation between:

- home school counselor
- IEP/504 plan case manager
- special education consultant
- ATC case manager

Please keep in mind the following requirements for ATC Industry Certification:

Certification Area:	Certification Requirements:
Health Science	• Written Exam (1 hour) • Practical Exam (1 hour) • No Accommodations on State Exams • Awareness of Latin Terminology (250 terms in 9 weeks) • Pharmacy Tech - must have strong math skills • For Phlebotomy Technician - <i>Must be 18 years old by March while in the program to become fully certified.</i>
Carpentry	• Basic math skills are required • No Accommodations on State Exams • Dangerous tools (saw, etc.) • No Calculator in Shop (paper pencil only)
Heavy Equipment	• No Accommodations on State Exam • Safety Concerns (consider behavior/maturity) • <i>Must be 17 years old by March while in the program to participate.</i>
Industrial Maintenance	• Need to be able to read at a 3rd or 4th grade level • Not a lot of heavy math; basic functions, can use calculator • No Accommodations on State Exam besides Extended Time
Engineering	• New Program • Need to have ability to complete Algebraic Equations with Calculator • State Exams TBD
Welding	• Fire Concerns (2 students per booth) • Safety Concerns • Limited Supervision • Practical Exam • No Accommodations on AWS Certification
Automotive	• No Accommodations on ASE Test • Must be able to physically do the test as well as read the test and answer the questions. • Heavy on Vocabulary
Law and Public Safety	• Accommodations are allowed on certification exams. • Physical Training requirements - must be able to run 1.5 miles by the end of the year.

EXPLORE OUR PATHWAY OFFERINGS



1.

bit.ly/wcatcpathways

WEHS Dual Credit (On Campus) Contract

**This contract must be completed within the first two weeks of the start of a new school year. Failure to meet the deadline of completion could result in the student being removed from the dual credit/On Track Course(s).*

The WEHS Dual Credit program's goal is to get our students on the fast track to being college and career ready. Our dual credit program offers students the opportunity to take courses at a very affordable tuition rate while in high school and living at home – both are significant cost savers! Students pay for books, supplies, and the first credit hour of each course in which they are registered. Our dual credit courses are offered through Western Kentucky University, Southcentral Kentucky Community & Technical College, and Campbellsville University. If you are not planning to attend these schools, make sure that the school you are planning to attend will accept the courses offered through our Dual Credit program.

Students taking Dual Credit courses at Warren East High School are expected to set high goals and work diligently to attain these goals. Admission to our Dual Credit program depends on ACT/SAT Benchmarks, attendance, and behavior. ***WEHS has the right to determine whether a student can participate in the Dual Credit/On track program.***

EXPECTATIONS:

1. Students who withdraw or are withdrawn from any dual credit course after the first week of school will receive a withdraw/fail on their WEHS transcript.
2. ***School rules*** – You are expected to follow all school rules outlined in your WEHS student handbook. You are, first and foremost, a Warren East High School student! Warren East High School's administration has the right to remove a student from the dual credit program at any time throughout the school year.
3. ***Students who fail to pay tuition on time may be removed from class.***
4. ***It is required to attend the Dual Credit 101 night. Dates for this night are TBA. If you do not attend Dual Credit 101 night your student will not be allowed to take a Dual Credit course.***

I hereby understand and agree to these expectations.

Student's Signature & Date

Parent/Guardian's Signature & Date

Student's Name (Printed)

Dual Credit Class(es)

WEHS Junior and Senior Off Campus Dual Credit Contract

**This contract must be completed within the first two weeks of the start of a new school year. Failure to meet the deadline of completion could result in the student being removed from the dual credit/on track class(es).*

The WEHS Dual Credit/On track program's goal is to get our students on the fast track to being college and career ready. Southcentral Kentucky Community and Technical College (SKYCTC—formerly known as Bowling Green Technical College) and Western Kentucky University (WKU) have partnered with Warren County Schools to offer high school students the chance to enroll in college courses prior to high school graduation. Since the course is offered through SKYCTC or WKU, the credit will be accepted there; however, the credit is also transferable to many other colleges and universities. Our dual credit program offers students the opportunity to take courses at a very affordable tuition rate while in high school and living at home – both are significant cost savers! Students pay for books, supplies, and the first credit hour of each course in which they are registered.

Students taking Dual Credit/On track courses at Warren East High School are expected to set high goals and work diligently to attain these goals. Admission to our Dual Credit/On track program depends on ACT Benchmarks, attendance, and behavior. ***WEHS has the right to determine whether a student can participate in the Dual Credit/On track program.***

EXPECTATIONS:

1. **It is required to attend the Dual Credit 101 night. Dates for this night are TBA. If you do not attend Dual Credit 101 night your student will not be allowed to take a Dual Credit course.**
2. Students who withdraw or are withdrawn from any dual credit/on track course after the first week of school will receive a withdrawal/fail on their WEHS transcript.
3. If you are taking a dual credit/on track course, you will need to report to class ***no later*** than ten minutes BEFORE the class begins. On days your class does not meet, you will need to arrive in time to report to your first class of the day at WEHS. You **MUST** sign-in in the front office. Additionally on days when your class does not meet, you may not be in the building without prior approval from the front office. Entering the building to work in a computer lab, study in the library, take a test in a teacher's room, or other reasons creates a supervision issue.
4. ***Students may NOT begin checking in late until a parent/guardian notification form has been returned to and verified by the front office.***
5. ***Cancelled classes*** – If Warren County cancels school, your dual credit/on track course is also cancelled. There may be times when your class is cancelled due to students participating in state assessments. WEHS and/or your dual credit/on track instructor will notify you of these times.
6. ***Fall/Spring Breaks***–In years past WKU and SKYCTC's breaks do not fall within the same weeks as the Warren County Board of Education's breaks. You will be required to attend classes even if it is during WEHS's breaks.
7. ***Making-up cancelled class time*** – If dual credit/on track courses are cancelled, your instructor may reschedule classes to make-up cancelled class time. Rescheduled time may be made-up before school, after school, or on an alternative day.
8. ***Pep rallies, class meetings, and other release time during dual credit/on track courses*** – When students are dismissed from class to report to any of the preceding, it is your instructors' decisions whether or not to release you from class. Taking a dual credit/on track course may mean missing out on pep rallies and other events.
9. ***School rules*** – You are expected to follow all school rules outlined in your WEHS student handbook. You are, first and foremost, a Warren East High School student! Warren East High School's administration has the right to remove a student from the dual credit/on track program at any time throughout the school year.
10. **If your child fails a dual credit course (59% or below):**
 - a. **If you would like to retake the college course, you must retake the exact dual credit course on your own time (it will not be built into their schedules) OR in a study hall at WEHS.**
 - b. **If they do not plan on retaking the course at the college level, they must recover the equivalent credit on our Courseware credit recovery program on their own time OR in an in-person, regularly scheduled course at WEHS.**
 - c. **If they plan to retake the exact dual credit course, the new passing grade will replace the failing grade on the college transcript. However, the failing course will still appear on the transcript without bearing weight.**
 - d. **Be advised that by failing a dual credit course, KHEAA scholarships may not be reapplied for.**
 - e. **The above is all on a semester-by-semester basis.**
11. **Whatever grade your student earns in their dual credit coursework will be on both his/her official high school and college transcripts. The failing grade will still appear and bear weight on the high school transcript.**
12. **Students taking off-campus dual credit classes must be present at Warren East High School for WIN and third block.**
13. It is required to attend the Dual Credit 101 night. Our third meeting will take place right before the new school year begins. Information will be sent via IC Messenger, Talking Points, and our social media platforms. If you do not attend Dual Credit 101 night, your student will not be allowed to take a Dual Credit course.
14. **All of the above is subject to the discretion of the principal and the school counselors.**

I hereby understand and agree to these expectations.

Student's Signature & Date

Parent/Guardian's Signature & Date

Advanced Placement Student/Parent Contract

The Advanced Placement Program is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in an AP course. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year college courses. Admission to an Advanced Placement course should depend upon a student's commitment to the subject as well as such formal credentials as high aptitude scores or outstanding grade records.

Students taking Advanced Placement classes at Warren East High School are expected to set high goals and work diligently to attain these goals. In addition, students and parents must understand that an AP class takes an unswerving commitment and work ethic.

Expectations:

- 1. AP students withdrawing after the first 5 days of the first semester will receive a WF on their record.**
- 2.** AP students are expected to take the AP exam at the end of the year. If a student does NOT take the AP exam, weight will not be added to a student's GPA.
- 3.** If a student does not put forth a *good faith effort* on the AP exam, weight will not be assigned to a student's GPA.
- 4.** Since a student's GPA is figured every quarter, a student's GPA at the end of the school year will change if the student does NOT take the AP exam.
- 5.** AP students should expect classes to be conducted on the college level.
- 6.** AP students should expect homework nightly for the course of the year.
- 7.** AP students are expected to be active learners. They are expected to participate and discuss differing opinions, ideals, and points of view.
- 8.** Attendance is essential for all AP classes, and the AP curriculum demands a rigorous schedule. Because of this, classes will continue regardless of attendance, and it is the students' responsibility to get information and work missed.

I hereby understand and agree to these expectations.

Student Signature_____

Date_____

Parent Signature_____

Date_____

Content Teacher's Referral Signature_____

Date_____

Previous teacher in this subject area _____

Administrator Signature_____

Date _____

Counselor Signature_____

Date_____

WEHS Area Tech School Contract

The Warren ATC provides vocational education to high school students in our Warren County school system. Their mission is to make sure that each student ends the year by showing competency and discipline in their field of study and providing all the opportunities for students to be career ready by graduation. With this being said, WEHS wants to ensure that all students who are given the opportunity to attend the ATC will finish the academic calendar year at the ATC.

Please read over the expectations below:

1. I understand that the ATC is a year-long commitment.
2. I will not seek alternate enrollment without exceptionally extenuating circumstances.
3. Good attendance is foundational to your success at the ATC. You can be dismissed from the ATC for poor attendance, behavior infractors, or lackluster grades.

Student's Signature & Date

Parent/Guardian's Signature & Date

Student Form

Warren East High School

Teacher Aide/Library Aide/Office Aide/FMD Peer Tutor

Requirements:

- You must be in 12th grade
- You must have a 2.5 or better GPA
- You must not have any more than 5 unexcused absences during the previous semester
- You must not have been suspended or placed in ASP
- You must not have more than 2 referrals to ISS the prior school year
- You may only be an Aide for one period
- You must be a vocational completer (4 credits in a vocational major) **or** meet ACT/SAT Benchmarks in all areas.
- You must be Transition Ready

Procedures:

Students complete this section of the form, have the teacher sign, and return to Guidance.

Student Name: _____

Grade Level: Must be 12th grade

Have you been suspended or sent to ASP while at WEHS? Yes or NO (circle)

What is your current GPA? _____

Have you been to ISS during the previous semester? Yes or NO (circle)

Teacher you request to aide for: 1st _____

2nd _____

Number of absences during previous semester: _____

Number of tardies to 1st period: _____

Are you Transition Ready? Yes or NO (circle)

Please Read:

Attendance will be kept by your teacher and you will be evaluated each grading period. If attendance and evaluations are not satisfactory, you will be removed from this program. You may also be removed if your attendance or grades in other classes are poor. If you become a discipline issue, you can also be removed.

Teacher

(By signing, teacher accepts this student to be his/her teacher aide for the upcoming school year.)

Courseware Digital Curriculum Overview

Our Courseware program is a two-fold program in which courses are offered online for credit recovery (CR) and original credit (OR). **Credit Recovery (CR)** classes are offered to students who have fallen behind their graduation requirements and need an alternate way to make up credits. **Original Credit (OR)** classes are offered to students who would like to take a class that is not offered at Warren East through a classroom setting. The cost of Courseware courses is covered by the Warren County Board of Education; however, space is limited!

Courseware for Credit Recovery

Students who are recovering credits will be required to complete the following units based on their final average in the course they failed.

- 59-55% 1 Unit
- 54-50% 2 Units
- 49-45% 3 Units
- 44-40% 4 Units
- 39-0% 5 Units

About Courseware Learning

Courseware learning digital curriculum creates active learning experiences that keep students attentive and engaged as they read, watch, listen, inquire, write, discuss, and manipulate. The use of multimedia tutorials provides students with opportunities to explore and understand new concepts, allowing each student to move at his or her own pace. A typical lesson comprises a number of activities including studies, practices, readings, journals, labs, discussions, projects, explorations, reviews, and embedded assessments.

Pathways

Courseware digital curriculum offers multiple pathways to support academic success for all students, from those not prepared for grade-level academic challenges to those capable of accelerating their learning. Differentiated instruction places students into the appropriate pathway.

Pathway	Foundations	General Studies Courses share scope and sequence.			Advanced Placement
		Literacy Advantage	Core	Honors	
Content	Skills remediation in reading, writing, and math	Courses with extensive literacy support	Courses with scaffolding to support students	Courses with extended application	College Board approved courses aligned to College Board standards
Audience	Students transitioning from middle to high school High-school students working below grade level in English and math	Struggling readers in grade-level content	Students working at grade level	Accelerated students	Highly-motivated students
Duration	70 – 90 hours per semester	60 – 80 hours per semester	70 – 90 hours per semester	90 – 110 hours per semester	120 hours per semester

* This registration booklet is subject to revision as needed, with the approval of Mr. Vincent and the WEHS Site-Based Decision Making Council.