

Warren East High School



2023 - 2024
**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 Students who drop or are withdrawn from a course after the drop period will receive a "WF" (withdrawal failure) on their transcript. The "WF" will be the recorded grade for the quarter (9 weeks) in which the student withdrew (or was withdrawn).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%

Promotion Requirements *

Class of 2024	Class of 2025	Class of 2026	Class of 2027
6 credits to be a sophomore	6 credits to be a sophomore	6 credits to be a sophomore	6 credits to be a sophomore
13 credits to be a junior	13 credits to be a junior	13 credits to be a junior	13 credits to be a junior
19 credits to be a senior	19 credits to be a senior	19 credits to be a senior	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://infinitecampus.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

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 or Physics, and one more Advanced level Science Course.
SOCIAL STUDIES	3	Students will be required to earn three credits in Social Studies to include Civics & 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	The four components of Arts and Humanities will be embedded into four courses: PE I (<i>dance</i>), English III (<i>Drama</i>), World Civilization (<i>art and music</i>).
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, Integrated Science, and one more Science Course.
SOCIAL STUDIES	3	Students will be required to earn three credits in Social Studies to include Civics & 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	The four components of Arts and Humanities will be embedded into four courses: PE I (<i>dance</i>), English III (<i>Drama</i>), World Civilization (<i>art and music</i>).
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

The following checklist has been provided to assist students in making sure that they have all the requirements necessary for graduation with either the Scholastic or Academic Diploma.

DIPLOMA REQUIREMENT CHECKLIST

Scholastic Diploma – 26 credits

Language Arts – 4 credits required

- English I
- English II
- English III
- English IV

Math – 4 credits required (3 core & 1 core or related)

- Algebra I
- Geometry
- Algebra II
- Core or Related Math _____

Science – 3 credits required

- Biology
- Introduction to Chemistry & Physics (ICP)
- Conceptual Science

Social Studies – 3 credits required

- Economics & Geography
- U.S. History or AP US History
- World Civilization

Foreign Language – none required

Other Requirements

- Health (1/2)
- Physical Education I (1/2)
- Arts & Humanities
- Personal Finance
- Elective _____
- Elective _____
- Elective _____
- Elective _____
- Elective _____
- Elective _____
- Elective _____
- Elective _____
- Elective _____

Academic Diploma – 26 credits

Language Arts – 4 credits required

- English I
- English II
- English III or AP Language
- English IV or AP Lit

Math – 4 credits required

- Algebra I
- Geometry
- Algebra II
- Advanced math class

Science – 3 credits required

- Biology
- Chemistry or Physics
- Advanced Science Course

Social Studies – 3 credits required

- Economics & Geo, or AP Human Geography
- U.S. History, Hist 109 or AP US History
- World Civ, Hist 102, AP World History

Foreign Language – 2 credits required

- Spanish I
- Spanish II

Other Requirements

- Health (1/2)
- Physical Education I (1/2)
- Arts & Humanities
- Personal Finance
- Elective _____
- Elective _____
- Elective _____
- Elective _____
- Elective _____
- Elective _____
- Elective _____

2023 - 2024 Career Pathways at WEHS

Students are to select a career pathway, complete 2 courses to be a concentrator, and take an EOP (End of Program Assessment), and 4 courses to be a pathway completer. Our goal is for all our students to be Transition Ready. Completing a pathway is one way to become 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 Aerospace Science 5
Agriculture	Agribusiness	Agriscience Agriculture Sale & Mktg Ag Communications Floriculture and Floral Design Greenhouse Technology Co-op: Agriculture
Agriculture	Agriculture Power, Structural, and Technical Systems	Agriscience Ag Construction Skills Small Power & Equipment 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
Business	Administrative Support	Digital Literacy Business & Marketing Essentials Office Administration Business Communication Personal Finance Ethical Leadership Co-op: Business
Business	E-Commerce	Digital Literacy Marketing Principles Business & Marketing Essentials Multimedia Publishing Advanced Multimedia Publishing Personal Finance Ethical Leadership Co-op: Business
Family & Consumer Science	Early Childhood Education	FACS Essentials Early Lifespan Development Child Development Services I Child Development Services II Co-op: Early Childhood and Development
Family & Consumer Science	Consumer & Family Management	FACS Essentials Relationships Middle-Late Lifespan Development Foods & Nutrition
Medical Arts	Pre-Nursing	Principles of Health Sciences Medical Terminology Emergency Procedures Nursing Aid Body Structures and Functions or Anatomy Leadership Dynamics Co-op: Pre-Nursing

2023 - 2024 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
Heavy Equipment Operator	Intro. to Construction Technology Heavy Highway Construction Equipment Repair Heavy Equipment Operation ST: Heavy Equipment
Industrial Maintenance	Basic Blueprint Reading Basic Troubleshooting Industrial Maintenance of Electrical Principles Industrial Maintenance of Motor Controls Industrial Maintenances of PLCs
Information Technology Network Administration AM (morning) Only	Computer Literacy Computer Hardware & Software *CISCO Networking *CISCO II Networking II
Information Technology Cyber Engineering PM (Afternoon) Only	Computer Literacy Cyber Literacy I Cyber Literacy II Computer Science
Machine Tool	Fundamentals of Machine Tools A Fundamentals of Machine Tools B Applied Machining I Blueprint Reading for Machinists
Pre-Nursing	Principles of Health Sciences Body Structures & Functions Medical Terminology Emergency Procedures Medicaid Nurse Aide
Pharmacy Technician	Principles of Health Sciences Body Structures & Functions Medical Terminology Emergency Procedures Pharmacy Technician
Phlebotomy Technician	Principles of Health Sciences Body Structures & Functions Medical Terminology Emergency Procedures Phlebotomy Technician
Welding	Oxy-Fuel Systems Blueprint Reading for Welding Shielded Metal Arc Welding Gas Metal Arc Welding

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 \$72 per credit hour. This is \$216 for a three-hour course, \$282 for a four-hour course. 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 dual credit courses offered through Western Kentucky University. Students are responsible for registering themselves for WKU online courses at wku.edu/dualcredit. Your counselor will guide you through this process.
6. **SKYCTC Dual Credit Courses** – SKYCTC courses are offered at WEHS and at Transpark.
7. Many 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. If a student elects to take two dual credit courses at the Transpark through SKYCTC or WKU online they must do so BOTH semesters IF they plan to be at school only half day. Your counselor will work with you to set up the best schedule. Student will be required to check in at WEHS at 11:15 am. They will miss 1st -4th periods.
9. If a student chooses to take only one dual credit course at the Transpark through SKYCTC or WKU online course each semester they will have to be at school for 1st or 3rd period depending on which course they elect to take. Your counselor will work with you to set up the best schedule.
10. **If your child makes a D in a dual credit online course, and they want to retake the course, they must retake the course in person on campus.**
11. **If your child fails a dual credit course (59% or below,) they are not allowed to retake the course.**

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
ENG 161 Intro. LIT		
HIST 102 World Civilization	SKYCTC	2.5 GPA
HIST 109 U. S. History	SKYCTC	2.5 GPA
BIO 200 Biological Concepts (with lab)	Campbellsville University	3.0 GPA
AGR 182 Intro to Vet Science	Murray State	3.0 GPA
AGR 185 Ag Leadership & Knowledge	Murray State	3.0 GPA
AGR 199 Contemporary Issues in Ag	Murray State	3.0 GPA
CHEM 105/106 Fund of Chemistry	WKU	2.5 GPA
CHEM 107/108 Fund Organic Chem	WKU	2.5 GPA

****A student must earn a C or better in course to earn dual credit.****

Dual Credit Courses at SKYCTC Transpark

Dual credit courses at SKYCTC vary from year to year.

Please click [HERE](#) to see the current fall classes.

Please click [HERE](#) to see the current spring classes.

REQUIREMENTS for enrollment in the above courses [HERE](#).

WKU Online Dual Credit Courses

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

A complete and revised list is updated each spring and fall at [CLICK HERE](#) for the latest classes offered.

Air Force Junior Reserve Officer Training Corps (AFJROTC)

Prerequisites to join AFJROTC:

U.S. Citizenship, US Nationals, or lawfully-admitted aliens to the United States. Cadets must be enrolled fulltime at Warren East High School. Cadets must be at least 14 years old, physically able to participate in high school physical education, and 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: Elective: 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: Elective: 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: 10-12

Credit: Elective: 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 a 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: 11-12

Credit: Elective: 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.

Aerospace Science 5 (AS-5) JR 580-138

Grade Level: 11-12

Credit: Elective: 1

Prerequisite: *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: This course is designed for a cadet in the 4th year of the AFJROTC program. It is usually taken during the same block as a freshman/AS-1 course. The AS-5 cadet is graded on their demonstrated leadership of junior cadets. The AS-5 cadet will use their previous leadership experiences and skills to lead, manage, and direct cadet activities while holding a leadership position within the squadron.

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 for courses. Individual circumstances may have an impact.*

Agriculture Department Pathways

<p style="text-align: center;">Agribusiness Systems</p> <p style="text-align: center;">Agriscience Agriculture Sales & Mktg. Greenhouse Technology Floriculture and Floral Design Agriculture Communications Co-op</p>	<p style="text-align: center;">Ag Power, Structural & Technical Systems</p> <p style="text-align: center;">Agriscience Ag Construction Skills Agriculture Power and Machinery Operation Ag Structures & Design Co-op</p>	<p style="text-align: center;">Animal Science Systems</p> <p style="text-align: center;">Agriscience Animal Science Vet Science <u>OR</u> AGR 182 Food Science and Technology Equine Science Co-op</p>
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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.

Agricultural Sales and Marketing AG 010-111

(THIS COURSE WILL BE OFFERED DURING ODD SCHOOL YEARS 2021, 2023, 2025...)

Grade Level: 10-12

Credit: 1

Prerequisite: Agriscience or Ag Teacher's Recommendation

Description: This course provides an introduction to agricultural sales and marketing. Course material will include: competition in the agriculture market place, marketing decisions, types of markets, contracting, government programs and regulations, personal development, employee and employer responsibilities, communications, promotion strategies, records, files, purchasing materials, stocking, selling, and business account procedures. Content may be enhanced with appropriate computer applications. Leadership development will be provided through FFA (Future Farmers of America). Each student will be expected to have a supervised agricultural experience program.

Greenhouse Technology AG 010-641-1

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 AG 010-621

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

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 (Future Farmers of America). Each student will be expected to have a supervised agricultural experience program.

****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 (Future Farmers of America). Each student will be expected to have a supervised agricultural experience program and keep appropriate records.

Agricultural Construction Skills AG 010-241

(THIS COURSE WILL BE OFFERED DURING ODD 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 prepares students to construct and maintain agricultural structures and equipment. Develops basic skills such as: tool identification, interpreting plans, calculating a bill of materials, electrification, carpentry, welding, metal fabrication, plumbing and masonry. Leadership development will be provided through FFA (Future Farmers of America). Each student will be expected to have a supervised agricultural experience program.

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 & Small Power Equipment 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.

Agriculture Communications AG 010-110

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 (Future Farmers of America). Each student will be expected to have a supervised agricultural experience program.

****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 (Future Farmers of America). Each student will be expected to have a supervised agricultural experience program and keep 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 (Future Farmers of America). Each student will be expected to have a supervised agricultural experience program.

Veterinary Science AG 020-511

(THIS COURSE WILL BE OFFERED DURING ODD SCHOOL YEARS)

Grade Level: 10-12

Credit: 1

Prerequisite: *Agriscience*

Description: Veterinary science topics include safety, sanitation, anatomy and physiology, clinical exams, hospital procedures, parasitology, posology, laboratory techniques, nutrition, disease, office management, and animal management. Careers are also explored. Leadership development will be provided through FFA (Future Farmers of America). Each student will be expected to have an agricultural experience program.

Food Science AG 010-702

(THIS COURSE WILL BE OFFERED DURING EVEN SCHOOL YEARS)

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 (Future Farmers of America). Each student will be expected to have a supervised agricultural experience program.

Equine Science AG 020-510

(THIS COURSE WILL BE OFFERED DURING ODD SCHOOL YEARS)

Grade Level: 11-12

Credit: 1

Prerequisite: *Agriscience and Vet Science or Animal Science*

Description: This course is designed to be as hands-on and as interactive with real life scenarios as we can possibly make it. My goals for this class are to give my students real life experience with the equine species. We will examine, study, and work with small breeds such as ponies and minis, full size stock, and even some draft breeds. Students will be expected to participate in hands-on labs as many grades will be based on participation and several grades will be taken from oral and practicum tests. Students learn best by doing and I strive to prepare my students with the most up to date equine science knowledge.

Agriculture Communications AG 010-110

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 (Future Farmers of America). 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, have a 3.0 GPA. Scholarships may also be available.*

Agricultural Education Co-op AG 030-790-2

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

Grade Level: 12

Credit: 1-3

Prerequisite: *3 courses within one Agricultural pathway 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.

ART

Visual / Creative Art I VP 500-711-1

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, processes, are included. Career opportunities in visual art are also explored. *This class includes a supply list students must get OR course fee of \$50.

Visual / Creative Art II VP 500-711-2

Grade Level: 10-12

Credit: 1

Prerequisite: *Successful completion of Art I with a grade of C or higher.*

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, processes, are included. Career opportunities in visual art are also explored. *This class includes a supply list students must get OR course fee of \$50.

Visual / Creative Art III VP 500-711-3

Grade Level: 11-12

Credit: 1

Prerequisite: *Successful completion of Art I and II with a grade of C or higher.*

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, processes, are included. Career opportunities in visual art are also explored. *This class includes a supply list students must get OR course fee of \$50.

Visual / Creative Art IV VP 500-711-4

Grade Level: 12

Credit: 1

Prerequisite: *Successful completion of Art I, II and III with a grade of C or higher.*

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, processes, are included. Career opportunities in visual art are also explored. *This class includes a supply list students must get OR course fee of \$50.

Photography VP 500-611

Grade Level: 10 -12

Credit: 1

Prerequisite: *Must have digital camera or phone with camera.*

Description: Photography courses engage students in learning opportunities for applying photographic media, techniques, and processes. These courses focus on development of photographic compositions through manipulation of the elements of art and principles of design. Students learn to make meaningful visual statements with an emphasis on personal creative expression to communicate ideas, feelings, or values. The history of photography, historic movements, image manipulation, critical analysis, and some creative special effects may also be included in this course. Students engage in critiques of their photographic images, the works of other students, and those by professional photographers. Photography courses may employ traditional film processes and/or digital and other electronic processes.

Business Education

Business Department Pathways

Administrative Support	E-Commerce
Business & Marketing Essentials Business Communication Personal Finance Office Administration Ethical Leadership Business Co-op	Business & Marketing Essentials Marketing Principles Personal Finance Multimedia Publishing Ethical Leadership Business Co-op

E-Commerce

Business & Marketing Essentials BUS 060-111

Grade Level: 9-10

Credit: 1

Prerequisite: *None*

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.

Marketing Principles BUS 080-716

Grade Level: 9-12

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) and/or DECA.

Personal Finance BUS 060-170

Grade Level: 11-12

Credit: 1

Prerequisite: None

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

Multimedia Publishing BUS 060-751

Grade Level: 10-12

Credit: 1

Prerequisite: Business and Marketing Essentials

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

Ethical Leadership BUS 060-109

Grade Level: 11-12

Credit: 1

Prerequisite: *completed 3 courses in a business pathway AND teacher recommendation; this course is designed to be taught simultaneously as co-op.*

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

Business Educational Co-op BUS 060-107

Grade Level: 12

Credit: 1

Prerequisite: *completed 3 courses in a business pathway AND 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.

Business & Marketing Essentials BUS 060-111

Grade Level: 9-10

Credit: 1

Prerequisite: *None*

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.

Business Communications BUS 060-155

Grade Level: 10-12

Credit: 1

Prerequisite: *Business and Marketing Essentials*

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.

Personal Finance BUS 060-170

Grade Level: 11-12

Credit: 1

Prerequisite: *None*

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

Office Administration BUS 070-743

(THIS COURSE WILL BE OFFERED EVEN SCHOOL YEARS 2020, 2022, 2024...)

Grade Level: 11-12

Credit: 1

Prerequisite: *Digital Literacy*

Description: This course is designed to provide students an advanced level of experiences that will propel them into the 21st century business world as they serve in positions such as college interns, administrative assistants, graduate assistants, and assistant managers. While using high levels of technology learned in previous classes, students will be taught fundamental business procedures such as records management, human resource management, time management software, workstation management, travel planning, financial reporting, payroll, mail procedures, effective communication skills, and ethical decision-making skills. A heavy emphasis will be placed on employability skills. Students should regularly be using word processing, spreadsheet, presentation, database, desktop publishing, and email software. This course should be considered the capstone course in its career pathway and is designed for upper-classmen only. Leadership development will be provided through FBLA (Future Business Leaders of America) and/or DECA.

Ethical Leadership BUS 060-109

Grade Level: 11-12

Credit: 1

Prerequisite: *completed 3 courses in a business pathway AND teacher recommendation; this course is designed to be taught simultaneously as co-op.*

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

Business Educational Co-op BUS 060-107

Grade Level: 11-12

Credit: 1

Prerequisite: *completed 3 courses in a business pathway AND 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.

BUS 060-112-3 CIT 105 Dual Credit through SKYCTC

Grade Level: 10-12

Credit: 1

Prerequisite: *2.5 GPA*

Description: Students will use computer and application software including word processing, presentations, database, spreadsheets, internet, and email to prepare documents and reports. The impact of computers on society and ethical issues are presented. Students will receive dual credit through SKYCTC if passed with a C letter grade or higher.

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: *None*

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. Prerequisite: 160121 or placement through English language proficiency assessment and evaluation by 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.

Consumer and Family Services

Consumer and Family Service Pathways

Early Childhood	Consumer & Family Management	Culinary & Food Services
FACS Essentials Early Lifespan Development Child Development Services I Child Development Services II Co-op	FACS Essentials Relationships Middle to Late Lifespan Development Foods & Nutrition Co-op	FACS Essentials Foods & Nutrition Culinary Arts 1 Culinary Arts 2 Co-op

Early Childhood Pathway Courses

FACS Essentials FCS 200-113

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).

Early Lifespan and Development FCS 200-223

Grade Level: 10-12

Credit: 1

Prerequisite: *FACS Essentials*

Description: This course addresses the topics of early lifespan development including conception and pregnancy, labor and delivery, infants, toddlers, preschoolers, school-age children, health and safety, and exceptional children. Students will explore career opportunities within the early childhood education industry. Leadership development will be provided through the Family, Career and Community Leaders of America (FCCLA).

Child Development Services I FCS 200-261

Grade Level: 11-12

Credit: 1

Prerequisite: *FACS Essentials and Early Life Span Development with a grade of C or better.*

Description: This course provides training for entry-level positions in early childhood education programs. Students study professionalism, employability skills, child growth and development, health, safety and nutrition, learning environments and curriculum, child assessment, program management and evaluation as well as family and community partnerships. The subject content is reinforced with work experience in a variety of child care establishments. Leadership development will be provided through the Family, Career and Community Leaders of America (FCCLA).

Child Development Services II FCS 200-262

Grade Level: 11-12

Credit: 1

Prerequisite: *FACS Essentials, Early Life Span Development and Child Development Services I with a grade of C or better.*

Description: Child Development Services II is a continuation of Child Development Services I and is designed for students who wish to further their training in early childhood education. Students gain in-depth work experiences in child care establishments, preschool centers, and other early childhood settings. Leadership development will be provided through the Family, Career and Community Leaders of America (FCCLA).

Early Childhood Education Co-op FCS 200-210

Grade Level: 12

Credit: 1

Prerequisite: *completed 3 courses in a Early Childhood pathway AND teacher recommendation*

Description: Cooperative Education for CTE courses provide 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.

****Consumer & Family Management Pathway Courses****

FACS Essentials FCS 200-113

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).

Relationships FCS 200-171

Grade Level: 10-11

Credit: 0.5

Prerequisite: *FACS Essentials, must be take WITH Middle to Late Lifespan Development*

Description: This course assists students to develop self-understanding, understanding of others, interpersonal skills, awareness of other's needs, and physical, mental, and emotional wellness. Family life education comprises a portion of this course including dating and married relationships. Preparations for and the achievement of a successful marriage are emphasized. Leadership development will be provided through the Family, Career and Community Leaders of America (FCCLA).

Middle to Late Lifespan Development FCS 200-226

Grade Level: 10-12

Credit: 0.5

Prerequisite: *FACS Essentials,, must be take WITH Relationships*

Description: This course addresses the practical problems related to understanding the types and stages of human growth and development, recognizing effects of heredity and environment on the life stages, meeting the needs of exceptional children, promoting optimum growth and development in the middle childhood, adolescent, and adulthood stages. Careers in child/human development and adult care services are explored. Leadership development will be provided through the Family, Career and Community Leaders of America (FCCLA).

Foods & Nutrition FCS 200-441

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).

Co-op: Consumer and Family Management FCS 200-191

Grade Level: 12

Credit: 1

Prerequisite: *Completed 3 courses in a Consumer & Family Services Pathway AND 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.

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

FACS Essentials FCS 200-113

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 200-441

Grade Level: 11-12

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 3 courses in a Culinary & Food Services Pathway AND teacher recommendation*

Description: Cooperative Education for CTE courses provide 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 Education I HP 340-133

Grade Level: 9-12

Credit: .5

Prerequisite: *None*

Description: This course is designed to give students the opportunity to learn through a comprehensive sequentially planned Health Education program in accordance with the Kentucky Academic Standards for High School Health Education. The emphasis of this course is to teach students the ability to access, understand, appraise, apply and advocate for health information and services in order to maintain or enhance one's own health and the health of others.

Physical Education I HP 340-216

Grade Level: 9-12

Credit: .5

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

Aerobics/Women's Fitness HP 340-215

Grade Level: 9-12

Credit: 1

Prerequisite: *None*

Description: This course is designed to offer the students a wide variety of cardiorespiratory fitness activities in order to enhance cardiorespiratory endurance. Such activities include but are not limited to zumba, pilates, yoga, tabata, and weightlifting.

Team Sports and Officiating HP 340-219

Grade Level: 11-12

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, Baseball, Flag Football, Ultimate Frisbee, Soccer, etc. At the completion of this course students will be prepared to continue a path towards officiating youth sports.

Officiating and Sports Management (emphasis in Basketball)

HP 340-219

Grade Level: 11-12

Credit: 1

Prerequisite: *Successful Completion of PE I*

Description: This course is designed for students to gain skills, knowledge, coaching tactics, and officiating knowledge for basketball. At the completion of this course students will be prepared to continue a path towards officiating youth sports.

Outdoor Adventure Education HP 340-219

Grade Level: 10-12

Credit: .5

Prerequisite: *None*

Description: This course is designed to educate students in outdoor survival, games, and fitness. Some topics taught would include but are not limited to safety in hiking, kayaking, fishing, survival skills, poisonous plant/animal identification, etc.

Lifetime Sports HP 340-219

Grade Level: 10-12

Credit: .5

Prerequisite: *Successful Completion of PE 1*

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. Some topics taught would include but are not limited to golf, disc golf, tennis, pickleball, and badminton.

Advanced PE HP 340-219

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. Content: Physical Education.

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.

Language Arts

English I LA 230-107

Grade Level: 9

Credit: 1

Prerequisite: *None*

Description: *Course Required for Graduation. The courses are designed to present a wide range of reading experiences with print and non-print materials that have literary, informational, persuasive, and practical purposes. The courses also require students to 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. Speaking, listening, and observing skills are used to communicate information for a variety of authentic purposes. In addition, students continue to 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 Advanced Reading AND teacher recommendation.*

Description: *Course Required for Graduation. The courses are designed to present a wide range of reading experiences with print and non-print materials that have literary, informational, persuasive, and practical purposes. The courses also require students to 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. Speaking, listening, and observing skills are used to communicate information for a variety of authentic purposes. In addition, students continue to 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 courses are designed to present a wide range of reading experiences with print and non-print materials that have literary, informational, persuasive, and practical purposes. The courses also require students to 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. Speaking, listening, and observing skills are used to communicate information for a variety of authentic purposes. In addition, students continue to integrate inquiry skills and technology to communicate ideas. Course adheres to Kentucky Core Academic Standards requirements.

English II Honors LA 230-110-3

Grade Level: 10

Credit: 1

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

Description: *Course Required for Graduation. The courses are designed to present a wide range of reading experiences with print and non-print materials that have literary, informational, persuasive, and practical purposes. The courses also require students to 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. Speaking, listening, and observing skills are used to communicate information for a variety of authentic purposes. In addition, students continue to 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 courses are designed to present a wide range of reading experiences with print and non-print materials that have literary, informational, persuasive, and practical purposes. The courses also require students to 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. Speaking, listening, and observing skills are used to communicate information for a variety of authentic purposes. In addition, students continue to integrate inquiry skills and technology to communicate ideas. Course adheres to Kentucky Core Academic Standards requirements.

English IV LA 230-116

Grade Level: 12

Credit: 1

Prerequisite: *English III*

Description: *Course Required for Graduation. The courses are designed to present a wide range of reading experiences with print and non-print materials that have literary, informational, persuasive, and practical purposes. The courses also require students to 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. Speaking, listening, and observing skills are used to communicate information for a variety of authentic purposes. In addition, students continue to integrate inquiry skills and technology to communicate ideas. Course adheres to Kentucky Core Academic Standards.

AP Language and Composition LA 230-166

Grade Level: 11

Credit: 1

Description: The AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods. College credit is earned with a qualifying score on an AP exam.

AP Literature and Composition AP 230-167

Grade Level: 12

Credit: 1

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 tone. 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.

College English 111 Freshmen Composition Dual Credit LA 800-011-1

Grade Level: 12

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

Credit: 1

Prerequisite: 3.0 GPA

Description: A course in writing as a recursive process involving the discovery and communication of meaning. The students write, revise, and edit texts with the aim of communicating with various audiences of readers. Students whose final grades are lower than "C" must retake ENG 111 at the university level.

College English 112 Freshman Composition II Dual Credit LA 800-011-

2

Grade Level: 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: A course in argumentative and persuasive writing and academic discourse. Students practice rhetorical strategies and scholarly methods as they perform assigned research and writing projects. Students whose final grades are lower than "C" must retake ENG 112 at the university level.

College English 161 Intro to Literature Dual Credit LA 800-011-2

Grade Level: 12

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

Credit: 1

Prerequisite: 3.0 GPA and a C or higher in ENG 111 and ENG 112

Description: A course in argumentative and persuasive writing and academic discourse. Students practice rhetorical strategies and scholarly methods as they perform assigned research and writing projects. Students whose final grades are lower than "C" must retake ENG 112 at the university level.

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 works such as short stories, one-act plays, poetry and/or personal, expressive pieces.

Literary Study of Manga and Japanese Anime LA 230-118

Grade Level: 9-12

Credit: .5

Prerequisite: *None*

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

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 completed Yearbook Production I.*

Yearbook Production III LA 239-141-2

Grade Level: 11-12

Credit: 1

Prerequisite: *To be enrolled in Yearbook II or III one must have completed the previous year. Courses are Sequential.*

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.

Integrated/Applied Mathematics I MA 270-701

Grade Level: 9-10

Credit: 1

Description: This course is the first year of Integrated Mathematics pathway. The integrated approach to high school mathematics is typically seen internationally and consists of a sequence of three to four courses depending on school's curriculum; each course includes number, algebra, geometry, probability and statistics and is no less rigorous than a traditional pathway: Algebra 1 and Geometry. Typically Integrated/Applied Mathematics 1 has more geometric concepts than a traditional Algebra 1 course. If the integrated series of Integrated 1 and Integrated 2 is used in place of the traditional series of Algebra 1 and Geometry and the integrated series of Integrated 1 and Integrated 2 collectively allows students the access and opportunity to learn all required high school Kentucky Academic Standards for Mathematics included in Algebra 1 and Geometry, then students who complete this series have met the high school graduation requirements of Algebra 1 and Geometry.

Integrated/Applied Mathematics II MA 270-702

Grade Level: 10-11

Credit: 1

Description: This course is the second year of Integrated Mathematics. The integrated approach to high school mathematics is typically seen internationally and consists of a sequence of three to four courses depending on school's curriculum; each course includes number, algebra, geometry, probability and statistics and is no less rigorous than a traditional pathway: Algebra 1 and Geometry. Typically Integrated II has a blend of geometric and algebraic concepts along with probability. If the integrated series of Integrated 1 and Integrated 2 is used in place of the traditional series of Algebra 1 and Geometry and the integrated series of Integrated 1 and Integrated 2 collectively allows students the access and opportunity to learn all required high school Kentucky Academic Standards for Mathematics included in Algebra 1 and Geometry, then students who complete this series have met the high school graduation requirements of Algebra 1 and Geometry.

Geometry MA 270-401

Grade Level: 10-12

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 Honors MA 270-401-F

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: 10-12

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 Honors MA 270-311PA

Grade Level: 9-12

Credit: 1

Prerequisite: *Algebra I with a B average or better, Geometry 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 270-643-1

Grade Level: 12

Credit: 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 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 270-643-1-2

Grade Level: 12

Credits: 1

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

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 a B average or better, Algebra II 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 270-602

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

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.

Math 150 College Algebra -(Dual Credit through SKYCTC at Transpark)MA 800-021-1

Grade Level: 11-12

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

Credit: 1

Prerequisite: *Algebra I, Geometry, Algebra II, AND a 22 on the math section of the ACT AND 2.5 GPA.*

Description: This course is designed to be equivalent to a credit-bearing College Algebra course for students intending to enter into post-secondary education. The content goes beyond a traditional Algebra 2 course.

AP Calculus BC MA 270-514-(virtual online)

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.

Medical Arts Academy

Medical Arts Pathway

This pathway prepares individuals for admission to a professional program in nursing.

Pre-Nursing

Principles of Health Science

Emergency Procedures

Medical Terminology

Medicaid Nurse Aide And at least one of the following: Anatomy or Body Structures and Functions

**Students may Co-op their senior year in the pathway listed above. See below for more details.

Pre-Nursing Pathway Courses

Principles of Health Science 170-111

Grade Level: 11-12

Credit: 1

Prerequisite:

Description: Orientation and foundation for occupations and functions in any health care profession. The course includes broad health care core standards that specify the knowledge and skills needed by the vast majority of healthcare workers. The course focuses on exploring health career options, history of health care, ethical and legal responsibilities, leadership development, safety concepts, health care systems and processes, and basic health care industry skills.

Emergency Procedures 170-141

Grade Level: 11 - 12

Credit: 0.5

Prerequisite: *Principles of Health Science with grade of C or higher*

Description: This course will focus on potential emergency situations. It is designed to promote an understanding of standard precautions necessary for personal and professional health maintenance and infection control. Upon successful completion of the course, the student will demonstrate the necessary skills in First Aid and Cardiopulmonary Resuscitation (CPR) and will be given the opportunity to take the completion examination as outlined by the sponsoring agency.

Medical Terminology 170-131

Grade Level: 11 - 12

Credit: 0.5

Prerequisite: *Principles of Health Science with a grade of C or higher*

Description: Medical Terminology is designed to develop a working knowledge of language in all health science major areas. Students acquire word building skills by learning prefixes, suffixes, roots and abbreviations. Students will learn correct pronunciation, spelling, and application rules. By relating terms to body systems, students identify proper use of words in a medical environment. Knowledge of medical terminology enhances the student's ability to successfully secure employment or pursue advanced education in health care.

Body Structures and Functions 170-167

Grade Level: 11 - 12

Credit: 1

Description: Body Structures and Functions is designed to provide knowledge of the structure and function of the human body with an emphasis on normalcy. The interactions of all body systems in maintaining homeostasis will promote an understanding of the basic human needs necessary for health maintenance. Academic knowledge from life science core content as it relates to the human body will be included. Laboratory activities should be a part of the course when appropriate.

Medicaid Nurse Aide 170-631

Grade Level: 12

Credit: 1

Prerequisite: Principles of Health Science AND Medical Terminology AND Emergency Procedures AND Anatomy with a grade of C or higher

Description: This course is an instructional program that prepares individuals to perform routine nursing - related services to patients in long-term care facilities under the training and supervision of an approved registered nurse. State Registry is available upon successful completion of state written and performance examination.

Co-op (Nursing) 170-601

Grade Level: 12

Credit: 2

Prerequisites: Principles of Health Science, AND Medical Terminology, AND Emergency Procedures AND Anatomy with a grade of C or better

Description: Cooperative Education provides supervised on-the-job work experience related to the student's educational objectives. Students participating in the Cooperative Education program receive compensation for their work. Work-based learning is designed to complement the classroom instruction. Students will be required to follow program and agency requirements for attendance and health screening. These may include but are not limited to drug screens, TB (tuberculin) skin test, and immunization certificates.

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 OR 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 OR 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 OR 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.

Piano/Keyboard VP 500-922

Grade Level: 9-12

Credit: 1

Prerequisite: *It is beneficial for students to own a Portable keyboard*

Description: Students explore the fundamentals of music and basic keyboard techniques such as scales, chords, melodic lines, and harmonic structure. These courses may include more advanced keyboard techniques. Formal and informal performances are included as part of piano course instructional programs. Formal and informal performances are included as part of piano/keyboard instructional programs as well as experiences in creating and 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.

Guitar VP 500-923

Grade Level: 9-12

Credit: 1

Prerequisite: *Must own guitar*

Students explore the fundamentals of music and guitar-playing techniques, such as strumming and chords. These courses may also include more advanced guitar-playing techniques. Coursework may also apply to Banjo, Bass, Dulcimer, Mandolin, Ukulele and other plucked string instruments. Formal and informal performances are included as part of the instructional program as well as experiences in creating and 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.

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. Students selected for Advanced Choir must enroll in both fall and spring semesters and will receive two credits.

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

Musical Theater VP 500-533

Grade Level: 9-12

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.

Science

Biology SC 302-601

Grade Level: 9

Credits: 1

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.

Biology Honors SC 302-601

Grade Level: 9

Credits: 1

Prerequisite: 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 Science in order to earn the high school graduation credit for Biology at an accelerated pace. This course moves at a faster pace and provides a more in-depth study than Biology. It is designed to assist students who plan to take AP science courses. 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.

Chemistry SC 304-521

Grade Level: 10-12

Credit: 1

Prerequisite: *Successful completion of Biology and recommendation from Biology teacher.*

Description: This course focuses on problem solving techniques; bonding; equilibrium; 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.

Introduction to Chemistry and Physics SC 304-058

Grade Level: 10 - 12

Credits: 1

Prerequisite: *Biology*

Description: This course serves as an introduction which integrates the basic concepts of chemistry and physics as outlined in the Kentucky Academic Standards for Science. Students learn how the physical and chemical properties of matter can be explained and predicted in terms of atomic and molecular structures and forces. They also learn how balanced and unbalanced forces influence the behavior of objects. 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.

Dual Credit Chemistry I(105/106) -(Dual Credit through WKU at WEHS) SC 800-041

Grade Level: 10-12

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

Credits: 1

Prerequisite: 2.5 GPA, *Algebra I with B or higher, and Successful completion of Biology with a grade of C or higher, teacher recommendation.*

Description: This course allows students to attain all the concepts contained in the description for Chemistry, with the opportunity provided for students to progress ahead of the non-honors course.

Dual Credit Chemistry II(107/108) -(Dual Credit through WKU at WEHS) SC 800-041-7

Grade Level: 10 -12

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

Credits: 1

Prerequisite: 2.5 GPA, *Successful completion of Dual Credit Chemistry I (105/106) with a C or better. Teacher recommendation is required.*

Description: This course is a continuation of Dual Credit Chemistry I (105/106) with a major portion of the course devoted to Organic Chemistry and lab experiments in Organic and Biochemistry.

Physics SC 304-821

Grade Level: 10 - 12

Credits: 1

Prerequisite: *Successful completion of Biology and Algebra I*

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.

AP Biology SC 302-646

Grade Level: 10-12

Credit: 1

Prerequisite: *Successful completion of Biology and Biochemistry with a grade of C or better AND teacher recommendation.*

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.

***Students taking this course must also take Biochemistry in the same school year.**

BIO 200 Dual Credit SC 800-041-41 - 1 (Dual Credit through Campbellsville at WEHS)

Grade Level: 10 - 12

Dual Credit Contract-Required*

Credits: 1

Prerequisite: *3.0 GPA or higher, successful completion of Biology and Biochemistry with a C or better AND teacher recommendation.*

Description: A foundation course for biology majors and minors. This course will introduce the student to basic biological concepts including biochemistry, metabolism, respiration, photosynthesis, mitosis, meiosis, genetics, ecology, and evolution. This course has a lab component making the credit 4 hours.

***Students taking this course must also take Biochemistry in the same school year.**

Anatomy SC 302-631

Grade Level: 10 - 12

Credits: 1

Prerequisite: *Successful completion of Biology*

Description: Major concepts addressed in this course include plant structure, animal structure, tissues, organs, and systems.

Astronomy SC 304-612

Grade Level: 10 - 12

Credits: 1

Prerequisite: *Successful completion of Biology*

Description: Astronomy is defined as the study of the heavenly bodies. So, in this course students will study the Earth, the Sun, our solar system, stars, galaxies, & the universe. Students will investigate multiple theories of how these heavenly bodies came to be, how they are structured (including the possible existence of alien life) and what is to become of them. As students journey through this course they will review (and in some cases be introduced to) physics, chemistry, biology, and mathematics concepts that explain the astronomical ideas they will encounter. Students will explore our universe in a variety of ways including hands-on activities, individual research projects, investigation of scientific data, videos and class discussions.

Marine Biology SC 302-621

Grade Level: 10 - 12

Credit: 1

Prerequisite: *Successful completion of Biology*

Description: Marine Biology introduces students to the study of life in marine environments. Students will gain knowledge about the physical characteristics of the Earth's oceans; prominent marine communities and their ecological uniqueness; representative marine organisms from the five biological kingdoms; and environmental science principles that relate to ocean environments. Students will also complete a variety of lab experiences as they investigate the natural world and develop solutions to problems. These lab experiences include microscopic observation of organisms and their tissues, dissection of marine organisms, and other lab activities related to the ocean environment and organisms.

Human Physiology SC 302-651

Grade Level: 10 - 12

Credit: 1

Prerequisite: *Anatomy*

Description: This is a follow up course for Anatomy and will serve as an introduction to the systems of the human body. Necessary life functions and survival needs will be followed by an orientation of the language of anatomy. This course will focus on structures and functions of the human body. Topics include histology, the integumentary system, skeletal tissue and the human skeleton, joints, muscle tissue and the muscular system, the fundamentals of nervous tissue, the nervous and the endocrine systems. We will also cover the study of blood, cardiovascular and lymphatic systems, immune, respiratory, digestive, and urinary systems and finish with the male and female reproductive systems as well as pregnancy and human development. Emphasis is placed on the integration of systems as they relate to normal health. Laboratory exercises will provide first-hand experience with the structure and processes discussed in lecture.

Forensics SC 302-616

Grade Level: 10 - 12

Credit: 1

Prerequisite: *Successful Completion of Biology*

Description: This upper level science course is designed for students with an interest in forensics – the application of scientific principles and methods to criminal and civil law. Forensic scientists examine and analyze evidence from crime scenes and elsewhere to develop objective findings that can assist in the investigation and prosecution of perpetrators of crime or absolve an innocent person from suspicion. This course would be appropriate for any student who wants to take an additional science class as an elective. The course includes a study of the methods and instrumentation used in the crime laboratory. Topics discussed will include drugs, blood enzymes, organic and inorganic analyses, gunshot residue, fingerprints, chromatography, spectrophotometry, electrochemistry, and electrophoresis. This course will include reading, writing, discussion, observation, experimentation, and research based projects.

Biochemistry SC 302-611

Grade Level: 10-12

Credit: 1

Prerequisite: *Successful completion of Biology with a grade of C or better OR teacher recommendation.*

Description: Major concepts addressed in this course include biochemical evolution, macromolecules, metabolism, glycolysis, photosynthesis, and respiration.

Conceptual Science SC 303-051

Grade Level: 11-12

Credit: 1

Prerequisite: *Biology and Introduction to Chemistry and Physics*

Description: Students will develop a conceptual understanding of key disciplinary core ideas (DCI) as defined in the Kentucky Academic Standards for Science. Students examine the Physical Science Disciplinary Core Ideas (DCI) of Structure & Properties of Matter, Chemical Reactions, Conservation of Energy & Energy Transfer, Definitions of Energy, Forces & Motion, Types of Interactions and Wave Properties. Life science DCI examined are Interdependent Relationships in Ecosystems. Earth/Space Science DCI are the Earth & the Solar System, Natural Resources, Plate Tectonics & Large-scale Interactions and The Roles of Water in Earth's Surface Processes. 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 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.

Social Studies

Geography and Economics SS 459-801-0

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: 9-12

Credit: 1

Recommended Prerequisite: *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 socio economic 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 450-809

Grade Level: 10-11

Credit: 1

Prerequisite: *None*

Description: U.S. History Survey is a basic overview of the history from reconstruction to present; government institutions; 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 colonial times to present; government institutions; 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

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; post renaissance; nations' development; 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; post renaissance; nations' development; 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

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 8000 B.C.E. to the 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

Grade Level: 10-12

Credit: .5

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 therefore 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: 10 - 12

Credits: .5

Prerequisite: *None*

Description: Law and Justice is a study of law-civil, criminal, constitutional, and international; 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.

Global Issues/REEL History SS 451-038b

Grade Level: 10 - 12

Credits: .5

Prerequisite: *None*

Description: Global Issues is the study of persistent issues related to social, political, and economic facets of human behavior. This is an opportunity for the mature pupil to examine the concepts, skills, and tools of the social scientist and the humanist in some decision-making and problem-international concern. This should be more than a survey course in current events. Independently, pupils might pursue a new issue in considerable depth through comprehensive research and analysis. It would also be possible for the teacher to utilize this course to involve the students in some direct manner with community issues and problems. The student could identify with a practitioner who shares the concern or problem.

Psychology SS 459-901

Grade Level: 10-12

Credits: .5

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

Grade Level: 10-12

Credits: 1

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.

Political Science SS 451-092

Grade Level: 10-12

Credits: 1

Recommended Prerequisite: *None*

Description: Political Science is the study of local, national, and foreign political processes.

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 1050 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. The American Council on Teaching Foreign Languages suggests classes be taught 90% in the target language.

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. Develops literacy skills for native speakers.

Miscellaneous

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

Grade Level: 9-11

Credits: 1

Pre-Requisites: *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 909-99920-7

Grade Level: 10-12

Credits: 1

Pre-Requisites: *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.

Job's for America's Graduates (JAG) PTC 320-707-3

Grade Level: 9-12

Credits: 1

Pre-Requisites: *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.

Warren County Area Technology Center Programs

General Information

Warren County Area Technology Center Scheduling

Requirements of every student:

1. Attendance: must be present to actually do the hands-on activities required for the certification, less than 6 days per semester is ideal.
2. Work Ethic: This is a grade and a large part of each program, students need to be self-motivated, independent workers, and willing to do the hands-on activities.
3. Students must pass each quarter (equal to one credit here at ATC), they cannot remain at ATC otherwise.
4. New for 2020-2021, a \$20 shop fee (except Health Science) will be collected at the beginning of school.

Automotive:

- ASE (automotive service excellence) is a difficult test
- ASE does not allow readers or modifications for the certification test

Carpentry:

- Basic math, specifically fractions and basic geometry

Health Science:

- [Application for the Health Science Program](#)
- High-level program
- Please see the associated required fees for the program below:
 - MNA
 - Phlebotomy
 - Pharmacy Technician

Industrial Maintenance:

- High-level math, comprehend and following directions, reading

Information Technology:

- Network Administration:
 - Basic computer skills
 - Independent worker
- Cyber Engineering
 - High-level program
 - [Application for the Cyber Engineering program](#)

Machine Tool:

- Very strong math skills, CAD drawing

Welding:

- Basic math, specifically fractions and basic geometry

Automotive Technology

Grade Level: 11-12

Credit: 2 per semester

Prerequisite: *See Counselor*

Automotive Maintenance and Light Repair Technician CIP 47.0604.01 This is a program that prepares individuals to apply technical knowledge and skills to repair, service, and maintain all types of automobiles. It includes instruction in brake systems, electrical systems, engine performance, engine repair, suspension and steering, automatic and manual transmissions and drive trains, and heating and air conditioning systems.

Carpentry

Grade Level: 11-12

Credit: 2 per Semester

Prerequisite: *See Counselor*

This pathway prepares individuals to apply technical knowledge and skills to layout, cut, fabricate, erect, install, and repair wooden structures and fixtures, using hand and power tools. The pathway includes instruction in technical mathematics, framing, construction materials and selection, job estimating, blueprint reading, foundations and roughing-in, finish carpentry techniques, and applicable codes and standards.

Heavy Equipment Operation

Grade Level: 11-12

Credit: 2 per semester

Prerequisite: *See Counselor*

The Heavy Equipment Sciences program will prepare students for construction building jobs, infrastructures projects (roads, bridges, and ports, otherwise called non-building construction), and mining and timber operations. A trained and experienced equipment operator provides necessary skills for any project that requires moving and transporting heavy materials or that demands any kind of earthmoving.

Industrial Maintenance Technology

Grade Level: 11-12

Credit: 2 per semester

Prerequisite: *See Counselor*

Electrical Technician CIP 47.0303.02 Electrical technicians apply electrical theory and related knowledge to diagnose and modify developmental or operational electrical machinery and electrical control equipment and circuitry in industrial or commercial plants and laboratories. They assemble and test experimental motor control devices, switch panels, transformers, generator windings, solenoids, and other electrical equipment and components according to engineering data and knowledge of electrical principles.

Machine Tool

Grade Level: 11-12

Credit: 2 per Semester

Prerequisite: *See Counselor*

Machinist Operator CIP 48.0503.02 Machine operators are responsible for producing precision machined parts. They measure parts with precision tools in order to make sure certain parts meet pre-determined quality and cosmetic standards. When parts have passed inspection, the parts go on to the next phase of production. Machine operators are expected to meet production quotas. The level of documentation required varies, depending on the degree of precision needed for the finished product. Machine operators also need to keep track of the number of units that are scrapped due to various errors.

Welding Technology

Grade Level: 11-12

Credit: 2 per semester

Prerequisite: *See Counselor*

An entry level welder demonstrates the ability to assist lead welders in the fabrication of steel and metal structures. Students must be adept at performing basic welding functions and calculating dimensions as well as operating power equipment, grinders and other related tools. Student must be proficient in reading and interpreting basic blueprints and following work procedure specifications (WPS).

Information Technology

Computer Programming Morning (AM) ONLY

Grade Level: 11-12

Credit: 2 per semester

Prerequisite: *See Counselor*

The Computer Programming pathway courses will prepare students to design and create apps, as well as troubleshoot the latest programming languages used in industry. It is suggested that students complete the pathway with the four following courses: Computer Literacy, Computational Thinking, along with targeted courses for specific programming language(s) or Project-Based Programming as capstones. Upon completion of this career pathway, students will be prepared for an entry level position in the IT field or continue their education in computer programming.

Cyber Engineering Afternoon (PM) ONLY

Grade Level: 11-12

Credit: 2 per semester

Prerequisite: *See Counselor*

The Cyber Engineering pathway is a blend of programming, cyber security, and hardware engineering disciplines. Students will learn to research, design, develop, and test computer systems and components. The National Integrated Cyber Education Research Center (NICERC) courses in the pathway use project-driven, application-based curricula that engage students at the secondary level. The curriculum provides the teacher with a rigorous program that showcases a systems-level understanding of real-world applications of science, technology, engineering, and mathematics. The courses provide a hands-on, context based approach that empowers teachers to prepare students to become the next generation of engineers and cyber professionals. The coursework explores topics such as robotics, electricity, and security concerns in today's digital society

Health Related

Pre-Nursing

Grade Level: 11-12

Credit: 2 per Semester

Prerequisite: *See Counselor*

This pathway prepares individuals for admission to a professional program in nursing. This pathway focuses on caring for residents in a long-term care facility.

Pharmacy Technician

Grade Level: 11-12

Credit: 2 per Semester

Prerequisite: *See Counselor*

This pathway prepares individuals, under the supervision of pharmacists, to prepare medications, provide medications and related assistance to patients, and manage pharmacy clinical and business operations. Includes instruction in medical and pharmaceutical terminology, principles of pharmacology and pharmaceuticals, drug identification, pharmacy laboratory procedures, prescription interpretation, patient communication and education, safety procedures, recordkeeping, measurement and testing techniques, pharmacy business operations, prescription preparation, logistics and dispensing operations, and applicable standards and regulations.

Phlebotomy Technician

Grade Level: 11-12

Credit: 2 per Semester

Prerequisite:

This pathway prepares individuals, under the supervision of physicians and other health care professionals, to draw blood samples from patients using a variety of intrusive procedures. Includes instruction in basic vascular anatomy and physiology, blood physiology, skin puncture techniques, venipuncture, venous specimen collection and handling, safety and sanitation procedures, and applicable standards and regulations.

Student's Name (Printed)

Dual Credit Class(es)

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 and Southcentral Kentucky Community & Technical College. If you are not planning to attend either of 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 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 you 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.*

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 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) has 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, 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. Students who withdraw or are withdrawn from any dual credit/on track course after the first week of school will receive a withdraw/fail on their WEHS transcript.
2. 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.
3. *Students may NOT begin checking in late until a parent/guardian notification form has been returned to and verified by the front office.*
4. *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.
5. *Fall/Spring Breaks*-In years past 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.
6. *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.
7. *Pep rallies, class meetings and other release time during dual credit/on track course* - 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.
8. *School rules* - You are expected to follow all school rules outlined in you 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.

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 _____

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 ALC 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 Benchmarks in all areas.

Procedures:

Student complete this section of form, have 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 a Career Pathway Completer or met ACT Benchmarks? 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.)

APEX Digital Curriculum Overview

Our APEX 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 APEX courses is covered by the Warren County Board of Education; however, space is limited!

APEX 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 Apex Learning

Apex 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

Apex 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			Advanced Placement
		Courses share scope and sequence.			
		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

Access Curriculum Information: For more information about the different pathways, explore the Curriculum area on www.apexlearning.com