

McCracken County High School



2022-2023 Curriculum Guide

Home of the Mustangs!

McCracken County High School

Matthew T. Houser

Principal

House Number	Principal	Counselor
1	Todd Anderson	Wendy Watts
2	Kevin Jackson	Rachel Goatley
3	Tammy Chapman	Jennifer Hunter
4	Matt Dobson	Holly Miller
5	Angie Woods	Jeremy Watwood
Athletic Director	Geno Miller	Mallory Austin (Assistant)

Vision

To see every student graduate from McCracken County High School and become a successful, contributing member of a community.

Mission

To provide each student with the academic skills and character traits necessary to be successful in college and/or career.

Motto

Everyone Matters. Every Moment Counts.

“The function of education is to teach one to think intensively and to think critically. Intelligence plus character – that is the goal of true education.” -Dr. Martin Luther King Jr.

Curriculum Guide

This guide has been developed to assist students, parents, and school personnel by providing information necessary for pre-registering for next year. Accurate pre-registration is essential in order for students to be placed in appropriate classes. All courses listed in this Curriculum Guide require a sufficient number of student registrants in order to be offered during the year. If there is not sufficient interest in a particular course, it may not be provided during the upcoming year. Therefore, it is very important that students select alternate courses with thoughtful consideration. Our broad and varied curriculum offers many opportunities for students at MCHS. Our primary goal is to help students select the academic path that will best meet their needs. Please select your courses carefully. If you have questions concerning the scheduling process, please feel free to contact the appropriate house counselor.

1. Prerequisites

When reviewing the course offerings, please note any prerequisites that might exist for a class you would like to request. Some courses require an introductory course to be completed, while others require an application process, teacher approval, or special permission. If prerequisites have not been met, a student will not be scheduled into a course.

2. Course Fees

Some courses require a course fee. Refer to the course descriptions to see if a fee applies. Students who register for these classes will be required to pay the course fee at the beginning of the course.

3. Honors Classes

Honors classes are offered in English, Math and Science.

4. Advanced Placement® Classes (AP®)

AP® classes are a cooperative effort between high schools and the College Board to expose high school students to college level material. At the conclusion of an AP® class, students may opt (fee may be required) to take an exam over the material to show that they have mastered the course content. If a student scores at or above a predetermined level, most colleges will grant that student college credit. Awarding of AP credit is subject to individual colleges/universities. For more information on college AP equivalent credits, please visit the following website:

<https://apstudents.collegeboard.org/getting-credit-placement/search-policies> For more information about the AP program or the ordering process, visit <https://ap.collegeboard.org/>.

5. Dual Credit

McCracken County High School enters into an agreement with a corresponding university, college, or community college to offer Dual Credit (DC) courses. These courses count as high school credits while simultaneously allowing students the opportunity to earn college credit hours at a reduced cost. Freshman and sophomore students wishing to receive college credit require advanced approval. In addition to the courses offered at MCHS, students are afforded the opportunity to attend local colleges and universities (on and off campus and online) during the school day to earn dual credit. Students enroll in West Kentucky College Academy through WKCTC or Racer Academy through Murray State University and take courses on those campuses or online for a portion of the school day. Various requirements must be met in order to qualify for this option.

6. Schedule Changes

Student schedules will only be changed if a scheduling mistake has been made or in special circumstances where a graduation requirement needs to be completed. Should a student be in one of these situations, he/she should complete a schedule change request form. Any schedule change request must be completed within the first three days of the semester.

7. Summer School

Summer School is an extension of the regular school year. Teachers and/or house principals and counselors will be in contact with parents and students if Summer School should be needed.

8. Early Graduation Program

Students may apply for early graduation. Please contact your house counselor for details.

Academic Planning

9. Academic Honors

Valedictorian(s): Students meeting credit requirements for graduation, completing seven Advanced Placement and/or dual credit courses and earning all A's in all credit bearing courses in middle and high school will be declared Valedictorian(s).

Salutatorian(s): Students meeting credit requirements for graduation, completing seven Advanced Placement and/or dual credit courses and earning all A's and one B in all credit bearing courses in middle and high school will be declared Salutatorian(s).

Honor Graduate(s): Seniors can attain Honor Graduate status by earning a cumulative weighted GPA of a 3.5 or higher.

Letter Grade	Numeric Range	Weight for Traditional Courses	Weight for AP & Dual Credit Course	Weight GPA College Courses	Weighting for Traditional Courses KEES	Weight for AP & Dual Credit Course KEES
A	90-100	4.0	5.0	1.0	4.0	5.0
B	80-89	3.0	4.0	1.0	3.0	4.0
C	70-79	2.0	3.0	1.0	2.0	3.0
D	65-69	1.0	1.0	0	1.0	1.0
F	< 65	0	0	0	0	0

10. Graduation Requirements

McCracken County High School Graduation Requirements through Class of 2022
<i>* Students have the opportunity to take Advanced Placement courses at any point in their high school career.</i>
4 English Credits: English I or Honors English I English II or Honors English II English III, Honors English III, or AP English Language, or ENG 101 and 102 English IV, Honors English IV, or AP English Literature, or ENG 101 and 102
4 Math Credits Algebra I or Honors Algebra I Geometry or Honors Geometry Algebra II or Honors Algebra II Math Elective (Students must successfully complete at least one math class each year while enrolled at MCHS)
3 Science Credits: Integrated Science I or Honors Biology Integrated Science II or Chemistry Biology or Intro to Physics or Physics
3 Social Studies Credits: Human Government and Geography or AP Human Geography World Civilization or AP World History U.S. History, AP U.S. History, or HIS 108
1 Health/PE Credit
1 Fine Arts Credit: 1 credit in music, art, drama, or dance
12 Electives RECOMMENDED: 2 World Language Credits (same language) 28 TOTAL
Must complete an Individual Learning Plan (ILP)

11. Credits Needed for Promotion

6 credits=Sophomore

13 credits=Junior

20 credits=Senior

28 credits=MCHS diploma

12. Participation in Graduation Exercises

1. To participate in graduation exercises, a student must have completed the required number of credits, including all required courses, prior to the graduation ceremony.
2. A student not meeting requirements to participate in the graduation exercises will be entitled to receive a high school diploma upon completion of all necessary requirements for graduation.

13. School Bell Schedule

The McCracken County High School bell schedule has four periods each day both semesters, with two blocks each day per semester. This schedule allows students to earn 8 credits per year while ensuring they have no more than 6 courses per day. Based on student interest, additional courses may be offered before school (zero period) or after school (seventh period).

Period	Semester 1	Semester 2
1	Year-Long Class 47 minutes	
2	Year-Long Class 46 minutes	
3	Year-Long Class 46 minutes	
4	Semester 1 Class 90 minutes + lunch	Semester 2 Class 90 minutes + lunch
5	Semester 1 Class 80 minutes	Semester 2 Class 80 minutes
6	Year-Long Class 46 minutes	

14. 1:1 Computer Program

McCracken County High School provides expanded learning opportunities for students with a 1:1 computing program. Each student will be assigned a ChromeBook computer for use throughout the year. This program focuses on instructional technology in the classroom while allowing every student to collaborate and conduct research outside of the class period.

15. Gifted and Talented

McCracken County High School provides a challenging curriculum and multiple service opportunities for students who have been identified as Gifted and Talented. These options serve students identified in the following areas: general intellectual aptitude, specific academic aptitude, creative or divergent thinking, psychosocial or leadership skills, and visual or performing arts. Sample opportunities are listed below:

Advanced Placement Courses	Dual Credit Courses	Honors Courses
Governor's Scholars Program	Governor's School for the Arts	Governor's School for Entrepreneurs
All State Band Program	All State Choir Program	Academic Team
Domestic and International Travel	National Merit Program	Early Graduate Program
Industry Certificates	Student Government	Differentiated Instruction
Peer Tutoring	Student/Student Peer Tutoring	Extended Schedule Option
Various School Clubs	Service Learning Options	Orchestra
1:1 Computer Program	College Visits	Career Pathways

16. Special Education

The Special Education Department provides a supportive environment in which students with disabilities can develop academic, social, emotional and daily living skills. The department assists each student in accessing the rich variety of courses, services and extracurricular activities offered at MCHS. The Special Education program supports each student to become a self-aware, self-advocating, self-directed strategic learner.

Eligibility is determined by an Admissions and Release Committee (ARC), which includes the student, parents, and staff. The identification, placement and provision of special education programs and services are governed by both state and federal regulations. Courses are designed to meet individual learner needs and address any exceptional characteristics that interfere with learning. Each eligible student has a written Individual Education Plan (IEP) that specifies goals and short-term objectives and their instructional and related services. Related services to complete the child's individualized program can include speech/language pathology services, occupational therapy, physical therapy, career and technology education, and assistive technology.

17. NCAA Eligibility

NCAA Division I College Freshman eligibility standards:

Students wishing to participate in NCAA Division I athletics must qualify academically through the NCAA Eligibility Center.

Academic eligibility requirements for students include:

Core Courses - Students must complete 16 core courses and 10 courses completed by the end of their junior year.

4 years of English

3 years of mathematics (Algebra I or higher)

2 years of natural/physical science (with 1 year of lab)

1 year of additional English, mathematics or natural/physical science 2 years of social science

4 years of additional courses (from any area above, foreign language or non-doctrinal religion or philosophy)

For information regarding grade point average and approved coursework, students should visit the NCAA Initial-Eligibility Clearinghouse at www.ncaa.org and speak with a house counselor.

18. Kentucky Education Excellence Scholarship (KEES Money)

KEES was designed to enable high school students to earn scholarships for postsecondary study. The program contains incentives designed to award continued achievement as students progress through high school. The scholarship can be used at any participating accredited public or private institution in Kentucky, including community and technical colleges. For most programs of study, the scholarship must be used within five (5) years of high school graduation. To receive the full amount, students must attend full time. Students attending at least half time, but less than full time, receive a proportionate amount; however, each academic term for which a scholarship is received will count as a full academic term, even if the award is reduced. Visit www.kheaa.com for more information.

Annual Award Amounts

Listed below are the base scholarship amounts for each GPA. Students earn an award for each year they attain a 2.5 GPA or higher. **These amounts are based on the yearly GPA, not the cumulative GPA.**

KEES Award

GPA	\$ Amount	GPA	\$ Amount
2.50	125.00	3.30	325.00
2.60	150.00	3.40	350.00
2.70	175.00	3.50	375.00
2.75	187.50	3.60	400.00
2.80	200.00	3.70	425.00
2.90	225.00	3.75	437.50
3.00	250.00	3.80	450.00
3.10	275.00	3.90	475.00
3.20	300.00	4.00	500.00
3.25	312.50		

19. ACT Bonus Awards

Listed below are the base awards students may earn for an ACT score of 15 or higher. The bonus award is added to the base amount. For example, if a student has a 3.20 GPA all four years, that student has earned \$1,200.00. If that student makes a 25 on the ACT, \$393 will be added, for a total of \$1,593.00.

ACT Score	Bonus
15	36.00
16	71.00
17	107.00
18	143.00
19	179.00
20	214.00
21	250.00
22	286.00
23	321.00
24	357.00
25	393.00
26	428.00
27	464.00
28 or above	500.00

20. AP Supplement Award Amounts

If a student has been eligible for free or reduced-price lunch during any year of high school and has earned a qualifying score on an Advanced Placement (AP) exam, he/she can earn a supplemental award. For example, a KEES eligible student who receives a score of 3 on an AP exam and is eligible for free or reduced-price lunch would earn an additional \$200 for each year of college.

21. Community Scholarship Program

The Paducah Rotary Club sponsors a Community Scholarship available to every McCracken County student who attends West Kentucky Community and Technical College. McCracken County Fiscal Court and the City of Paducah donated funds to help support the scholarships while the Rotary Club raised additional funds through private donations. This scholarship covers the tuition gap left after FAFSA, scholarships and KEES money has been applied to a student’s tuition bill and can be awarded for up to two years at West Kentucky Community and Technical College. To qualify for this scholarship, students must register prior to entry to McCracken County High School, maintain a 2.5 grade point average, 95% attendance rate, have no major discipline violations and complete required college orientation activities during the senior year. For more information about the Community Scholarship at WKCTC, visit <https://westkentucky.kctcs.edu/admissions/information-for/csp.aspx>

22. No Pass/No Drive

The “No Pass/No Drive” statute (KRS 159.051) stipulates that any 16 or 17-year-old applying for a permit driver’s license will be required to have a completed school compliance verification form. The school will submit a report of noncompliance, and subsequently update that report no later than the end of each semester, if any of the following conditions occur: 1) a 16 or 17-year old student (with a driver’s permit or license) accumulates nine or more unexcused absences (any absences due to suspension shall be unexcused absences.) 2) a student is deemed academically deficient by failing three or more courses in which he or she is enrolled at MCHS (failing 66% or more). Students whose driving permits are revoked, but later meet the statutory standards for reinstatement will be reviewed. For more information, visit <https://education.ky.gov/school/Pages/No-Pass-No-Drive.aspx>

23. 21st Century Program

McCracken County High School receives grant funding from the 21st Century Program. These funds are for academic and enrichment opportunities such as: tutoring, credit recovery, summer school, various clubs, etc. The program has a coordinator on site who works with teachers and school administration to provide meaningful opportunities for students.

24. College/Career Readiness

College Ready	Career Ready
<p data-bbox="293 1455 659 1486"><u>ACT KY CPE Benchmarks*</u></p> <p data-bbox="402 1493 550 1524">English: 18</p> <p data-bbox="418 1530 534 1562">Math: 19</p> <p data-bbox="402 1568 550 1600">Reading: 20</p> <p data-bbox="451 1644 501 1675">OR</p> <p data-bbox="402 1719 550 1751"><u>Dual Credit</u></p> <p data-bbox="172 1757 781 1789">Scoring a ‘C’ or better in 2 KDE approved Dual</p> <p data-bbox="386 1795 570 1827">Credit courses</p> <p data-bbox="451 1871 501 1902">OR</p>	<p data-bbox="1008 1455 1292 1486"><u>Industry Certification</u></p> <p data-bbox="1122 1644 1172 1675">OR</p> <p data-bbox="1000 1719 1284 1751"><u>CTE State Assessment</u></p> <p data-bbox="1122 1871 1172 1902">OR</p>

<u>AP</u> Scoring a '3' or higher in 2 AP course exams OR <u>Combination</u> Combination of above indicators	<u>Dual Credit</u> Scoring a 'C' or better in 2 KDE approved Dual Credit courses OR <u>KDE approved Apprenticeship</u>
---	--

* KY CPE Benchmarks differ from National ACT College Readiness Benchmarks (Minimum scores according to national ACT standards used to determine placement into first year college courses)

National ACT College Readiness Benchmarks

English: 18

Math: 22

Reading: 22

Science: 23

25. Industry Certifications

McCracken County High School provides opportunities for students to graduate with industry certifications. These certifications allow students to enter the workforce upon graduation with the qualifications and skills necessary to be a certified career.

26. MCHS Career Pathways

MCHS Career Pathway guide will help guide students to choose pathways and courses in their desired career areas. It is very important to encourage students to look at their options within a pathway if possible. All of the courses listed under a title are courses offered at MCHS. Successful completion of pathways can mean various things for students including, but not limited to, acquiring career certifications, a better overall understanding of a career, understanding what employers expect for the career cluster, and skills and experiences students needed before applying for a job.

Ultimately, the goal is to help students find their way to gainful employment and a successful career. For a more detailed description of courses within each career pathway, see the diagrams below.

- Agricultural Education Career Pathways**

ANIMAL SCIENCE (CIP 01.0901.00)	AGRICULTURE POWER, STRUCTURAL, TECHNICAL SYSTEMS (CIP 01.0201.00)	ENVIRONMENTAL SCIENCE AND NATURAL RESOURCES SYSTEMS (CIP 03.0101.00)
Complete 2:	Complete 1:	Complete 3:
#146 Principles of Agriculture	#146 Principles of Agriculture	#146 Principles of Agriculture
#126 Animal Science	Choose 3:	#144 Wildlife Resources
Choose 2:	# 124 Ag. Construction Skills	#129 Greenhouse and Crop Production
#118 Equine Science	#120 Small Power Equipment	Choose 1:
#128 Small Animal Science	# 147 Ag Power & Machine Operation	# 113 Greenhouse Tech 1
#117 Veterinary Science	# 148 Ag. Structures and Design	May Substitute 1 with #122 Ag Co-op
May Substitute 1 with #122 Ag Co-op	May Substitute 1 with #122 Ag Co-op	Pathway offers iCEV Bayer Crop and Plant Science Certification
Pathway offers iCEV Elanco Fundamentals of Animal Science or iCEV Elanco Veterinary Medical Applications Certification	Pathway offers iCEV Equipment and Engine Training Council Principle of Small Engine Technology Certification	

HORTICULTURE AND PLANT SCIENCE SYSTEMS (CIP 01.1101.00)
Complete 2:
#146 Principles of Agriculture
#129 Greenhouse and Crop Production
Choose 2:
#112 Floral Design
#113 Greenhouse Tech 1
May Substitute 1 with #122 Ag Co-op
Pathway offers iCEV Bayer Crop and Plant Science Certification

- **Business and Marketing Education Career Pathways**

E-COMMERCE (CIP 52.0208.02)	ACCOUNTING (CIP 52.0301.00)	ADMINISTRATIVE SUPPORT (CIP 52.0401.00)
Choose 2 or 3:	Complete 2:	Choose 2 or 3:
#132 Digital Literacy	#132 Digital Literacy	#132 Digital Literacy
#136 Marketing Principles	#134 Accounting & Finance	#134 Accounting & Finance
#138 Multimedia Publishing		#143 Financial Literacy
#179 Web Page Design		
Choose 1 or 2:	Choose 2:	Choose 1 or 2:
#188 Business & Marketing Essentials	#188 Business & Marketing Essentials	#188 Business & Marketing Essentials
#141 Business Co-op	#136 Marketing Principles	#136 Marketing Principles
#190 Principles of Entrepreneurship	#167 Microsoft Office Specialist	#167 Microsoft Office Specialist
	#141 Business Co-op	#141 Business Co-op

- **Computer Science Career Pathways**

NETWORK SECURITY (CIP 11.1003.00)
Choose 4:
#132 Digital Literacy
#175 Computer Hardware or Software Maintenance
#230 Intro to Networking Concepts
#231 Security Fundamentals
IT Co-op OR IT Internship

- **Engineering Career Pathways**

ELECTRICAL/ELECTRONICS ENGINEERING (CIP 14.1001.00)	MECHANICAL ENGINEERING (CIP 14.3501.00)
Complete 3:	Complete 3:
#660 Engineering I	#660 Engineering I
#661 Engineering II	#661 Engineering II
#662 Electrical/Electronics Engineering	#664 Robotics Engineering
Choose 1:	Choose 1:
#663 Engineering Capstone	#662 Electrical/Electronics Engineering
Engineering Co-op	#663 Engineering Capstone
#181 AP Computer Science Principles	Engineering Co-op
Pathway offers Autodesk Inventor Certified User Certification	#181 AP Computer Science Principles
	Pathway offers Autodesk Inventor Certified User Certification

- **Family and Consumer Sciences Education Career Pathways**

EARLY CHILDHOOD EDUCATION (CIP 13.1210.00)	CONSUMER AND FAMILY SERVICES (CIP 19.0403.00)	CULINARY AND FOOD SERVICES (CIP 12.0500.00)
Complete 3:	Complete 4:	Complete 3:
#152 Early Lifespan Development	#150 FACS Essentials	#163 Foods & Nutrition
#153 Child Services I	#165 Money Skills	#156 Culinary Arts I
#159 Child Services II	#151/161 Relationships & Parenting	#157 Culinary Arts II
Choose 1:	#163 Foods & Nutrition	Choose 1:
#150 FACS Essentials		#150 FACS Essentials
#151/161 Relationships & Parenting		#164 Advanced Foods & Nutrition
#186 Early Childhood Co-op		#184 Culinary Internship
		#185 Culinary Co-op
Pathway offers three (3) certifications: Commonwealth Child Care Credential - COE, KY Early Care and Education Orientation, and Pediatric Abusive Head Trauma		Pathway offers the ServSafe Food Manager's Credential

FUNDAMENTALS OF TEACHING (CIP 13.1308.00)
Complete 3:
#152 Early Lifespan Development
#162 Middle to Late Lifespan Development
#902 Principles of Teaching
Choose 1:
#166 FCS Leaders at Work
#151 Relationships
#150 FACS Essentials
#168 Co-Op: Fundamentals of Teaching
Pathway offers NOCTI Healthcare Core Certification

- **Health Science Career Pathways**

ALLIED HEALTH (CIP 51.0000.01)	PLTW BIOMEDICAL SCIENCES (CIP 26.0102.00)	CLINICAL MEDICAL ASSISTING (CIP 51.0801.00)
Complete 3:	Complete 4:	Complete 4:
#624 Principles of Health Science	#614 Principles of Biomedical Sciences	#624 Principles of Health Science
#626/632 Med Terms/Emg Procedures	# 615 Human Body Systems	#626/632 Med Terms/Emergency Procedures
#656 Allied Health Core Skills	#616 Medical Interventions	#665 Medical Math
Choose 1:	#617 Biomedical Innovations	#638 Medical Assisting Clinical Procedures
#612 Anatomy (Science Dept.)	Pathway offers NOCTI Biotechnology Certification (online portion only)	Pathway offers NHA Clinical Medical Assistant Certification
#621 Essentials of Sports Medicine		
#665 Medical Math		
Pathway offers NOCTI Healthcare Core Certification		

DENTAL ASSISTING (CIP 51.0601.01)	PHLEBOTOMY (CIP 51.1009.01)	PRE-NURSING (CIP 51.2699.01)
Complete 3:	Complete 3:	Complete 3:
#624 Principles of Health Science	#624 Principles of Health Science	#624 Principles of Health Science
#626/632 Med Terms/Emergency Procedures	#626/632 Med Terms/Emergency Procedures	#626/632 Med Terms/Emergency Procedures
#658 Internship (Dental Assistant)	# 634 Medical Laboratory Aide	# 619 Medicaid Nurse Aide
Choose 1:	Choose 1:	Choose 1:
#612 Anatomy (Science Dept.)	#612 Anatomy (Science Dept.)	#612 Anatomy (Science Dept.)
#656 Allied Health Core Skills	#665 Medical Math	#657 Nursing Co-op
#665 Medical Math	#656 Allied Health Core Skills	#665 Medical Math
	Internship (Allied Health)	Pathway offers State Registered Nursing Assistant (SRNA) / Medicaid Nurse Aide (MNA) Certification
	Pathway offers NHA Certified Phlebotomy Technician Certification	

- **Law, Public Safety, Corrections, and Security Career Pathways**

LAW ENFORCEMENT SERVICES (CIP 43.0107.00)
Complete 2:
#717 Introduction to Criminal Justice
#715 Law Enforcement
Choose 1:
#716 Criminal Investigation
#718 Introduction to Homeland Security
#723/724 Terrorism and Counterterrorism Operations / Critical Infrastructure Protection
Complete 1:
Health and Well-Being for Law Enforcement

- **Media Arts Career Pathways**

CINEMATOGRAPHY AND VIDEO PRODUCTION (CIP 09.0701.00)
Complete 2:
#910 Introduction to Media Arts
#217 Video Studio Fundamentals
#234 Digital Imaging
#218 Studio Directing & Performance
#235 Advanced Studio Production
#236 Media Arts Co-Op OR #237 Media Arts Internship
Pathway offers the KDE End of Program Assessment.

27. MCHS Table of Contents

Departments are listed within this guide in the following order:
Agriculture Business Cinematography and Video Production Computer Science Engineering Family and Consumer Science Fine Arts Dance Drama Music Health Sciences Language Arts Law Enforcement Services Mathematics Physical Education Science Social Studies Special Interest Courses World Languages Resource Math QUICK REFERENCE GUIDE

Agriculture

Principles of Agriculture

Pathway: Animal Science, Ag Power, Environmental Science, Horticulture

Course #146

Grades 9-10

1 credit

Prerequisite: None

This course provides instruction in the foundations of various segments of the agricultural industry. Agricultural career opportunities will be emphasized. Animal science, plant and land science, and agricultural mechanics skills will be the focus of the curriculum. The selection and planning of a supervised agricultural experience program and related record keeping will be presented. Leadership development will be provided through FFA (Future Farmers of America). Students will receive personal guidance and counseling with preparatory instructional program selection. *This course is the beginning course for all agriculture pathways.

Agriculture Math

Course #110

Grade 12

1 credit

Prerequisite: Principles of Agriculture and one other Agriculture course

This course provides an introduction to agriculture math. Course material will include: number properties and operations, measurement, geometry, data analysis and probability, algebraic thinking, personal development, employee and employer responsibilities, records, files, purchasing materials, stocking, selling and business account procedures. Leadership development will be provided through FFA (Future Farmers of America). Each student will be expected to have a supervised agricultural experience program. Students completing an AG Career Pathway can take Agriculture Math as a 4th math course.

Agriculture Construction Skills

Pathway: Ag Power

Course #124

Grades 10-11-12

1 credit

Prerequisite: Principles of Agriculture

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.

Small Power Equipment

Pathway: Ag Power

Course #120

Grades 10-11-12

1 credit

Prerequisite: Principles of Agriculture & Ag Construction Skills

This course is designed to develop skills in maintenance, repair, and operation of equipment, small combustion-type engine and electric motors. 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 Machine Operation

Pathway: Ag Power

Course #147

Grades 10-11-12

1 credit

Prerequisite: Principles of Agriculture and successful completion of Small Power Equipment

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

Agriculture Structures and Design

Pathway: Ag Power

Course #148

Grades 11-12

1 credit

Prerequisite: Principles of Agriculture and successful completion of Agriculture Construction Skills

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.

Animal Science

Pathway: Animal Science

Course #126

Grades 10-11-12

1 credit

Prerequisite: Principles of Agriculture

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.

Small Animal Science

Pathway: Animal Science

Course #128

Grades 10-11-12

1 credit

Prerequisite: Principles of Agriculture and Animal Science

This course develops scientific knowledge, management practices, and marketing strategies in small and specialty animal technology. The curriculum includes identification, anatomy, physiology, nutrition, health, selection, and care of small animals. Species addressed typically include dogs, cats, rabbits,

companion birds, ostriches, emus, tropical fish, and furbearers. Content will be enhanced with appropriate applied scientific laboratory activities. 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

Pathway: Animal Science

Course #118

Grades 10-11-12

1 credit

Prerequisite: Principles of Agriculture and Animal Science

Equine Science develops knowledge and skill pertaining to breed identification and selection, anatomy, physiology, nutrition, genetics and reproductive management, training principles, grooming, health disease, parasite control, and sanitation practices. 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 an agricultural experience program.

Veterinary Science

Pathway: Animal Science

Course #117

Grades 11-12

1 credit

Prerequisite: Principles of Agriculture and Animal Science

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.

Agricultural Education Internship

Pathway: Animal Science, Ag Power, Environmental Science, Horticulture

Course #149

Grade 12

1 credit

Prerequisite: Must be the fourth course in agriculture pathway

Internship for CTE (Career and Technical Education) courses provides supervised work-site experience for high school students who are enrolled in a pathway course associated with their identified career pathway. Internship experiences consist of a combination of classroom instruction and field experiences. A student receiving pay for an intern experience is one who is participating in an experience that lasts a semester or longer and has an established employee/employer relationship. A non-paid internship affects those students who participate on a short term basis (semester or less). All information referenced to the Work Based Learning Guide. Internship limited to the site availability. Determination will be made upon teacher approval. This internship will be an unpaid opportunity in your agriculture pathway.

Intro to Greenhouse and Crop Production-Dual Credit

Pathway: Horticulture

Course #129

Grades 10-11-12

1 credit

Prerequisite: Principles of Agriculture

Introduction to Greenhouse and Crop Production develops basic scientific knowledge and skills pertaining to management of soil and its effects on human and animal food and fiber production, the environment, and meeting basic needs of life. The relationship of soil to plant growth and horticulture will be emphasized. Plant anatomy, reproduction, growth, health, and current biotechnological advances 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. *This class is taught in conjunction with the Murray State University School of Agriculture *Not required to take Dual Credit route to receive credit in class at MCHS.

Greenhouse Technology I

Pathway: Horticulture

Course #113

Grades 10-11-12

1 credit

Prerequisite: Intro to Greenhouse and Crop Production

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

Greenhouse Technology II

Course #114

Grade 12

1 credit

Prerequisite: Intro to Greenhouse and Crop Production, Greenhouse Technology I, and instructor approval.

This course is designed to build on the content learned in Greenhouse Technology I. Fundamental principles of vegetable production and commercial production of vegetable crops may be included. Significant greenhouse experience will be included in instruction. Leadership development will be provided through student membership in the FFA.

Floral Design

Pathway: Horticulture

Course #112

Grades 11-12

1 credit

Course fee: \$20

Prerequisite: Principles of Agriculture & Intro to Greenhouse and Crop Production and Greenhouse Technology I

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

Wildlife and Forestry

Pathway: Environmental Science

Course #144

Grades 10-11-12

1 credit

Prerequisite: Principles of Agriculture

Through Wildlife Resources, students develop an awareness of wildlife industry resources. This course includes: a study of ecology and ecosystems, wildlife habitat, population dynamics, management techniques that deal with wildlife in all areas, and the regulations that affect the wildlife industry.

Content may be enhanced with appropriate applied scientific laboratory activities. Forestry introduces the science of silviculture. The course includes career opportunities, tree identification, tree production, forestry management, timber harvesting, wood utilization, and the environmental and ecological aspects of forestry. Leadership development will be provided through FFA (Future Farmers of America). Each student will be expected to have a supervised agricultural experience program.

Agricultural Co-op

Pathway: Animal Science, Ag Power, Environmental Science, Horticulture

Course #122

Grade 11-12

1 credit

Prerequisite: Must be the fourth course in an Agriculture Career Pathway to qualify for Co-op.

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. This course allows students to work and earn credit at the same time. Students must work during the year and receive a positive evaluation from their employer. Approved agriculture work experience (agricultural business, food service, computer work, and farm labor or mechanics) will qualify the student for this program. They must also pass the associated agriculture class that they are taking to receive their co-op credit.

Business

Business and Marketing Essentials (formerly Business Principles and Applications)

Pathway: E-Commerce, Accounting, Admin Support

Course #188

Grades 9-10-11

1 credit

Prerequisite: None

This course provides students with a basic foundation to further study business and marketing classes. The course also provides students with information to become better consumers. Major topics of study include banking, credit, investments, budgeting, principles of insurance and taxes, business organization and consumerism. Information relating to the free enterprise system and its impact on the flow of goods and services into our economy is emphasized in this course.

Digital Literacy

Pathway: E-Commerce, Accounting, Admin Support

Course #132

Grades 9-10-11-12

1 credit

Prerequisite: None

Students will use a computer and application software including word processing, presentation, database, spreadsheet, internet, and email to prepare elementary documents and reports. The impact of computers on society and ethical issues are presented. Leadership development will be provided through FBLA (Future Business Leaders of America) and/or DECA.

Accounting and Finance Foundations

Pathway: Accounting, Admin Support

Course #134

Grades 10-11-12

1 credit

Prerequisite: Digital Literacy or Business and Marketing Essentials or instructor approval

This course will provide an introduction to both areas of accounting and finance. Topics will include banking, credit, financial literacy, career exploration, spreadsheet usage, and technical writing. The major focus of the course is on the accounting cycle and the communication of financial information to decision-makers. The accounting principles taught in this course are based on a double-entry system and include preparing bank reconciliations, payroll taxes, and financial statements. Detailed career exploration in the various fields of accounting will be available. Leadership development will be provided through FBLA (Future Business Leaders of America) and/or DECA.

Marketing Principles

Pathway: E-Commerce, Accounting, Admin Support

Course #136

Grades 9-10-11-12

1 credit

Prerequisite: Digital Literacy or Business and Marketing Essentials or instructor approval

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.

Multimedia Publishing

Pathway: E-Commerce and Administration Support

Course #138

Grades 10-11-12

1 credit

Prerequisite: Digital Literacy or Web Design

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 (Future Business Leaders of America) and/or DECA.

Principles of Entrepreneurship

Pathway: E-Commerce

Course #190

Grades 11-12

1 credit

Prerequisite: Digital Literacy or Business and Marketing Essentials or teacher recommendation

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

Personal Finance (formerly Financial Literacy)

Pathway: Admin Support, Accounting

Course #189

Grades 10-11-12

1 credit

Prerequisite: none

This course is designed for students interested in learning how to properly manage personal finances and/or in pursuing a career in the financial institution field. It involves operation of a student financial center (school bank) in cooperation with a sponsoring bank (CFSB), which provides application of banking and financial procedures and concepts. Students work with CFSB management to learn hands-on banking experience.

Microsoft Office Specialist

Pathway: E-Commerce, Accounting, Admin Support

Course #167

Grades 11-12

1 credit

Prerequisite: B or higher in Digital Literacy

Students will have the opportunity to increase their computer skills. Advanced functions and integration of Microsoft Word, Excel, Access, Outlook, and PowerPoint will be taught. Students will work toward MOS/MCAS Certification in one or more of the Microsoft areas. In addition, students will utilize Internet access to complete various projects. Depending on availability, students will be expected to take and pass the MOS exams (Access, Excel, Outlook, PowerPoint, Word) for certification.

Business Education Co-op

Pathway: E-Commerce, Accounting, Admin Support

Course #141

Grades 11-12

1 credit

Prerequisite: Must be the fourth course in an Business Career Pathway to qualify for Co-op.

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

Web Page Design

Pathway: E-Commerce

Course #179

Grades 10-11-12

1 credit

Prerequisite: Digital Literacy or instructor approval

Students analyze the structure of the world wide web, apply basic principles of web documents, HTML, and CSS, and develop multimedia web pages. The course introduces web site production processes with particular emphasis on design, layout, navigation, and the use of web production software. Course content will include the understanding of hypertext (HTML5 and CSS), web structures, and ancillary programs such as Adobe Photoshop and Illustrator.

Advanced Accounting

Pathway: Accounting, Admin Support

Course #187

Grades 11-12

1 credit

Prerequisite: Accounting and Finance Foundations

This course uses an integrated approach to teach accounting. Students first learn how businesses plan for and evaluate their operating, financing, and investing decisions and how accounting systems gather and provide data to internal and external decision makers. This year-long course covers all the learning objectives of a traditional college level financial accounting course, plus those from a managerial accounting course. Topics include an introduction to accounting, accounting information systems, time value of money, accounting for merchandising firms, sales and receivables, fixed assets, debt, and equity. Other topics include statement of cash flows, financial ratios, cost-volume profit analysis, and variance analysis. Leadership development will be provided through FBLA (Future Business Leaders of America) and/or DECA. Teachers must go through a three-day training to teach this course.

Sports and Event Marketing

Course #191

Grades 10-11-12

1 credit

Prerequisite: none

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

Cinematography & Video Production

Introduction to Media Arts

Pathway: Cinematography & Video Production

Course #910

Open to grades 9-10-11

1 credit

Prerequisite: None

This course is an introduction to and survey of the creative and conceptual aspects of designing media arts experiences and products, including techniques, genres and styles from various and combined media and forms, including moving image, sound, interactive, spatial and/or interactive design.

Video Studio Fundamentals

Pathway: Cinematography & Video Production

Course #217

Open to grades 9-10-11

1 credit

Prerequisites: None, Seniors needing this class to complete the Media Arts pathway will be granted access by the teacher.

This course will expose students to the materials, processes, and artistic techniques involved in creating video productions. Students learn about the operation of cameras, lighting techniques, camera angles, depth of field, composition, storyboarding, sound capture, and editing techniques. Course topics may include production values and various styles of video production including documentary, storytelling, news magazines, and animation. Students may be exposed to digital and traditional film. As students advance, they are encouraged to develop their own artistic styles. Major filmmakers, cinematographers, video artists, and their work may be studied.

Studio Directing and Performance

Pathway: Cinematography & Video Production

Course #218

Open to grades 10-11-12

1 credit

Prerequisites: Introduction to Media Arts and/or Video Studio Fundamentals

This course explores the various roles in running a television station inside McCracken County High School as students produce Mustang TV, our weekly news source for the school. Students develop knowledge and skills in studio multi-camera and field television production. Students also develop performance skills for broadcasting including interpretation of copy, news casting, and ad lib announcing. The course covers techniques of narrative and non-fiction writing and scripting, and the analysis and writing of television scripts. **This course may be repeated.**

Advanced Studio Production

Pathway: Cinematography & Video Production

Course #235

Open to grades 11-12

1 credit

Prerequisites: Introduction to Media Arts or Video Fundamentals, and Studio Directing and Performance OR teacher approval with two of the three listed courses.

In this course students will explore the creative and conceptual aspects of designing and producing moving images for the variety of cinematic, film/video, and multimedia presentations including: fictional dramas, documentaries, music videos, artistic and experimental presentations and/or installations, interactive, immersive, and performance media. **This course may be repeated.**

Digital Imaging

Pathway: Cinematography & Video Production

Course #234

Open to grades 10-11-12

1 credit

Prerequisite: No first year seniors in the Media Arts Program who will not become career ready.

This course is an accomplished study and production of creative and conceptual aspects of designing and producing digital imagery, graphics, and photography. This includes techniques, genres, and styles from fine arts and commercial advertising, internet and multimedia, web design, and industrial and virtual design. Students use a computer as an electronic drawing tool to solve visual communications and illustration problems in designing authentic products. This course entails an accomplished use of current software for two-dimensional illustration, creating and integrating text, using color, and importing and exporting files. Typical course topics include: aesthetic meaning and analysis of computer generated works; composing, capturing, processing, and programming of imagery and graphical information; their transmission, distribution and marketing; as well as contextual, cultural and historical aspects and considerations.

Computer Science

Computer Hardware and Software Maintenance

Pathway: Network Security

Course #175

Grades 10-11-12

1 credit

Prerequisite: Digital Literacy

This course presents a practical view of computer hardware and client operating systems and covers computer hardware components; troubleshooting, repair, and maintenance, operating system interfaces and management tools, networking components, computer security, and operational procedures.

Web Site Design and Production

Course #177

Grades 9-10-11-12

1 credit

Prerequisite: None

This course introduces web site production processes with particular emphasis on design involving layout, navigation, and using web production software.

Web Page Development

Course #179

Grades 10-11-12

1 credit

Prerequisite: Web Site Design and Production

This course introduces web pages through the use of HTML and CSS. Students use text and/or web editors to create web documents with various formats and page layouts, multimedia, tables and forms. Instruction emphasizes W3C web design and accessibility standards.

Introduction to Networking Concepts

Pathway: Network Security

Course #230

Grades 9-10-11-12

1 credit

Prerequisite: None

This course introduces technical level concepts of non-vendor specific networking including technologies, media, topologies, devices, management tools, and security. Provides the basics of how to manage, maintain, troubleshoot, install, operate, and configure basic network infrastructure.

Security Fundamentals**Pathway: Network Security**

Course #231

Grades 10-11-12

1 credit

Prerequisite: None

Security Fundamentals introduces basic computer and network security concepts and methodologies. Covers principles of security; compliance and operational security; threats and vulnerabilities; network security; application, data, and host security; access control and identity management; and cryptography.

IT Co-op**Pathway: Network Security**

Course #232

Grades 11-12

1 credit

Prerequisite: Must be in the fourth course in an IT Career Pathway to qualify for Co-op.

Cooperative Education for CTE courses provide supervised work site experience related to the student's identified career pathway. A student must be enrolled in a valid course in the pathway during the same school year that the co-op experience is completed, unless the student has already met completer status in the pathway. 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.

IT Internship**Pathway: Network Security**

Course #233

Grades 11-12

1 credit

Prerequisite: Must be in the fourth course in an IT Career Pathway to qualify for Co-op.

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

Engineering and Technology

Engineering I

Pathway: Electrical Engineering, Mechanical Engineering

Course #660

Grades 9-10-11-12

1 credit

Prerequisites: None

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

Engineering II

Pathway: Electronic Engineering, Mechanical Engineering

Course #661

Grades 10-11-12

1 Credit

Prerequisites: Engineering I

A project and research based course that extends the learning experiences where students focus on mechanical, electrical, fluid and thermal systems allowing in depth exploration in selected disciplines of engineering areas such as manufacturing, power/energy/transportation, robotics, hydraulics, electricity/electronics, communications, construction systems, alternative energy, computer-aided design, and problem solving. Participation in Kentucky Technology Student Association will greatly enhance instruction.

Electrical Engineering

Pathway: Electrical Engineering, Mechanical Engineering

Course #662

Grades 10-11-12

1 Credit

Prerequisites: Engineering I, Engineering II

In this course students will gain skills and knowledge through classroom and lab activities in the areas of basic DC and AC circuits, circuit components, codes, testing, electromagnetism and inductance, capacitance, power supplies, power generation and distribution, amplification, digital circuits, and computer fundamentals. Students will develop a basic understanding of the various types of energy and how energy is obtained. Students will learn the safe use of the tools, test instruments, equipment and supplies used in this course plus information on career opportunities in this field. Hands-on and problem-solving activities will expose students to areas of electron theory, Ohm's Law, insulators, conductors, electronic components, oscillators, and electronic fabrication. Participation in Kentucky Technology Student Association will greatly enhance instruction.

Engineering Capstone

Pathway: Electrical Engineering, Mechanical Engineering

Course #663

Grades 11-12

1 Credit

Prerequisites: Engineering I, Engineering II

Engineering scope, content, and professional practices are presented through practical applications in

this capstone course. Students in engineering teams apply technology, Kentucky Academic Standards, and skills to solve engineering design problems and create innovative designs. Students research, develop, test and analyze engineering designs using criteria such as design effectiveness, public safety, human factors and ethics. Participation in Kentucky Technology Student Association will greatly enhance instruction.

Robotics Engineering

Pathway: Mechanical Engineering

Course #664

Grades 10-11-12

1 Credit

Prerequisites: Engineering I, Engineering II

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

Family & Consumer Science

FACS Essentials

Pathway: Consumer & Family Management, Early Childhood, Culinary & Food Services, Fundamentals of Teaching

Course #150

Grades 9-10

1 credit

Course Fee: \$25

Prerequisite: None

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.

Relationships

Pathway: Consumer & Family Management, Early Childhood, Fundamentals of Teaching

Course #151

Grades 10-11-12

.5 credit

Prerequisite: None

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. **This is a .5 credit course and must be taken with Parenting.**

Parenting

Pathway: Consumer & Family Management, Early Childhood

Course #161

Grades 10-11-12

.5 credit

Prerequisite: None

This course is designed to educate students in parenting and caregiving skills that can be applied in a variety of situations. Major topics include the family, roles and responsibilities of parenting, preparing for a family, conception, prenatal and birth, infancy, health and safety, and early childhood education careers. Leadership development will be provided through the Family, Career and Community Leaders of America (FCCLA). **This is a .5 credit course and must be taken with Relationships.**

Early Lifespan Development

Pathway: Early Childhood, Fundamentals of Teaching

Course #152

Grades 10-11-12

1 credit

Course fee: \$15

Prerequisite: FACS Essentials OR Relationships & Parenting

Co-requisite: Child Services I

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).

Middle to Late Lifespan Development

Pathway: Fundamentals of Teaching

Course #162

Grades 10-11-12

1 credit

Lab fee: \$15

Prerequisite: None

This course addresses the practical problems related to understanding the areas and stages of lifespan development, review effects of heredity and environment on the life stages, meeting the needs of exceptional individuals, promoting optimum growth and development in the middle childhood, adolescent, adulthood, and elderly stages. Careers in human development and adult care services are explored.

Child Development Services I

Pathway: Early Childhood

Course #153

Grades 11-12

1 credit

Course fee: \$10

Prerequisite and/or Co-requisite: Early Lifespan Development and must have own transportation

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

Pathway: Early Childhood

Course #159

Grade 12

1 credit

Prerequisite: Child Development Services I and must have own transportation

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). Students are placed in an off-site work experience with children in preschools, daycares, and elementary classrooms during this course. **Seniors can take Child Services I and II together.**

Fundamentals of Teaching Co-op

Pathway: Fundamentals of Teaching

Course #168

Grades 11-12

1 credit

Prerequisite: Must be the fourth course in the Fundamentals of Teaching Career Pathway to qualify for Co-op.

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.

Fundamentals of Teaching Internship

Pathway: Fundamentals of Teaching

Course #169

Grades 11-12

1 credit

Prerequisite: Must be the fourth course in the Fundamentals of Teaching Career Pathway to qualify for an internship.

Internship for CTE (Career and Technical Education) courses provides supervised work site experience for high school students who have completed courses leading to a career pathway. Internship experiences consist of a combination of classroom instruction and field experiences. Students receiving pay for intern experience are those participating in an experience that is a semester or longer and have an established employee-employer relationship. A non-paid internship affects those students who participate on a short term basis.

Foods and Nutrition

Pathway: Culinary & Food Services, Consumer & Family Management

Course #163

Grades 10-11-12

1 credit

Course Fee: \$25

Prerequisite: None

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 services. Leadership development will be provided through the Family, Career Leaders of America (FCCLA).

Advanced Foods and Nutrition

Pathway: Culinary & Food Services

Course #164

Grades 10-11-12

1 credit

Course Fee: \$25

Prerequisite: Foods and Nutrition

This course is designed to assist students in principles related to food preparation. Specific content addressed will include planning, serving, food presentation, special diets, and nutrition for the lifespan, serving, and food planning for entertainment services. An emphasis on careers related to food service and nutrition will be addressed. Lab instruction emphasizes the application process.

Culinary I

Pathway: Culinary & Food Services

Course #156

Grades 10-11-12

1 credit

Course Fee: \$25

Prerequisite: Foods and Nutrition

This advanced course allows students to increase competencies in a variety of food preparation techniques. Emphasis will be placed on food presentation, garnishing, menu planning, and the skills necessary to prepare for a career in the culinary arts profession. Laboratory instruction is included. Students will use nutritional information in preparing and serving food, practice culinary skills, prepare a variety of foods, and practice food presentation techniques. ServSafe curriculum is provided and may result in an industry certification. KY Skills Standards Test in Culinary Arts is also included. Leadership development will be provided through the Family, Career Leaders of America (FCCLA).

Culinary II

Pathway: Culinary & Food Services

Course #157

Grades 11-12

1 credit

Course Fee: \$25

Prerequisite: Foods and Nutrition and Culinary I

In this course, students resume progress in pursuing competencies in food production and services. Orientation to the food service industry and development of food preparation skills are reinforced. Food service management functions are introduced. More in-depth information is provided and higher levels of skills are taught. Time is provided for work-based learning opportunities. Laboratory instruction is included. Students will use nutritional information in preparing and serving food, practice culinary skills, prepare a variety of gourmet foods, and practice food presentation techniques. KY Skills Standards Test in Culinary Arts is also included.

Money Skills

Pathway: Consumer & Family Management

Course #165

Grades 10-11-12

1 credit

Prerequisite: None

This course is designed to prepare students to understand and use sound financial management skills and practices contributing to financial stability, improving the quality of life for individuals and families. Decision-making, problem solving, goal setting, and using technology are integrated throughout the content. Leadership development will be coordinated through Family, Career and Community Leaders of America (FCCLA) student organization.

FACS Leaders at Work

Pathway: Fundamentals of Teaching

Course #166

Grades 11-12

1 credit

Prerequisite: None

This course is designed to prepare Family and Consumer Sciences students to be innovative and effective leaders in families, future careers, and communities. Students will integrate higher order thinking, communication, leadership, and technical skills to explore family and consumer sciences careers, conduct service learning projects, discover modern social issues relevant to the field, and enhance employability skills to lead the 21st century workforce. Students will be engaged in project-based learning opportunities by developing authentic, real-world and rigorous projects leading to self-discovery, positive social action and career preparation.

Culinary Internship

Pathway: Culinary & Food Services

Course #184

Grades 11-12

1 credit

Prerequisite: Must be in the fourth course in the Culinary & Food Services Career Pathway, teacher recommendation or work in café.

Internship for CTE (Career and Technical Education) courses provides supervised work site experience for high school students who have completed courses leading to a career pathway. Internship experiences consist of a combination of classroom instruction and field experiences. Students receiving pay for intern experience are those participating in an experience that is a semester or longer and have an established employee-employer relationship. A non-paid internship affects those students who participate on a short term basis.

Culinary Co-op

Pathway: Culinary & Food Services

Course #185

Grades 11-12

1 credit

Prerequisite: Must be the fourth course in the Culinary & Food Services Career Pathway to qualify for Co-op.

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.

Early Childhood Co-op

Pathway: Early Childhood

Course #186

Grades 11-12

1 credit

Prerequisite: Must be the fourth course in an Early Childhood Career Pathway to qualify for Co-op.

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.

Fine Arts

ART

Art I

Course #300

Grades 9-10-11-12

1 credit

Course Fee: \$25

Prerequisite: None

This course is a buffet of art techniques. Emphasis will be on preparing students for upper level art classes and developing drawing skills. Students learn the principles and elements of art...drawing, painting, printmaking, clay, and more.

Art II

Course #301

Grades 10-11-12

1 credit

Course Fee: \$25

Prerequisite: Art I

This course teaches students applications of design elements learned in Art I. Students will focus on media driven assignments as they expand their technique knowledge and continue to develop manipulative skills. 2-D and 3-D media will be included in this course as well as focus on making bigger and better art projects. This class is a great next step for students who enjoy making art but aren't sure what they want to pursue next.

Drawing and Painting

Course #302

Grades 10-11-12

1 credit

Course Fee: \$25

Prerequisite: Art I

This is a rigorous college level drawing course designed to teach any student at any level how to draw. Students will learn graphite, charcoal, colored pencil, watercolor, and acrylic. **This class may be repeated.**

Advanced Drawing and Painting

Course #343

Grades 11-12

1 credit

Course Fee: \$25

Prerequisite: Art I and Drawing and Painting

This course includes an advanced exploration of drawing and painting techniques. Book illustration, printmaking, acrylic mediums, and mixed media are all included in this advanced exploration of 2-D techniques. Must pass Drawing and Painting I with no less than a C average.

Sculpture and Ceramics

Course #303

Grades 10-11-12

1 credit

Course Fee: \$25

Prerequisite: Art I

This course teaches concepts, techniques, and media of 3-D art production. Students will learn hand-building techniques in clay, carving, assemblage, and more.

Advanced Sculpture and Ceramics

Course #344

Grades 11-12

1 credit

Course Fee: \$25

Prerequisite: Art I and Sculpture and Ceramics

Development of techniques and manipulative skills will be continued in this course. Creative expression through use of 3-D media and clay is the focus of this course.

Introduction to Pottery

Course #361

Grades 10-11-12

1 Credit

Course Fee: \$25

Prerequisite: Art I

This class teaches the fundamentals of working with clay through hand building and wheel techniques. Weekly demonstrations walk students through completing projects designed to enhance skills. Students will be introduced to the potter's wheel and learn to hand build pinch pots, bowls, mugs, and keepsake boxes as well as explore their own ideas for a special final project. Glazing and surface decoration will also be taught. All materials including clay and glazes are provided.

Jewelry and Metalsmithing

Course #304

Grades 10-11-12

1 credit

Course Fee: \$25

Prerequisite: Art I

This course is rigorous and fast paced and focuses on students learning all about how to work with metal on a small wearable scale. Jewelry projects include keychain, necklace pendant, chain, stone setting, and ring or belt buckle. Students should have strong design skills and use of principles and elements. Tools and fire will be used. **This course may be repeated.**

Advanced Jewelry and Metalsmithing

Course #345

Grades 11-12

1 credit

Course Fee: \$25

Prerequisite: Art I and Jewelry and Metalsmithing

Advanced work in metal techniques. Advanced soldering, stone setting, and some casting. Projects may include hollow form rings, brooches, lockets, and belt buckles. Must pass Jewelry and Metalsmithing I with at least a C average.

AP Studio Art

Course #305

Grades 11-12

1 credit

Course Fee: \$25

Prerequisite: Art I and at least one advanced art class and teacher approval

This course is an extremely rigorous art class designed for students seeking admission to an arts college. Students must be capable of college level work and be dedicated to at least 6 hours a week outside of school. Course work includes art making and writing. This course requires the completion of a portfolio for review by the AP College Board for the review. A grade of 3 or higher may result in college credit.

Art Independent Study

Course #306

Grades 11-12

1 credit

Course Fee: \$25

Prerequisite: Drawing and Painting, Sculpture and Ceramics or Jewelry and Metalsmithing and teacher approval.

This course provides in-depth studio art to highly motivated students with recognized exemplary talent in an art area. After completing several open-ended assignments students will work with the instructor to create a contract of planned projects. Students will serve as a peer mentor to beginning students of that class. Students must be enrolled in the beginning level art class corresponding to their Independent Study interest. This class is a Pre-AP class and is much of the same work as an AP class.

Digital Media Design

Course #659

Grades 9-10-11-12

1 credit

Course Fee: \$15

Prerequisite: None

Digital drawing, illustration, animation, sound art, video editing, graphic design--use digital tools to create art in this class. No special programs are required, students will use online editing programs and a small class set of iPads. This course will cover elements and principles needed to satisfy the art credit

for graduation, but it does not replace Art I as a prerequisite for upper-level art courses.

Digital Media Design II

Course #667

Grades 10-11-12

1 credit

Prerequisite: Digital Media Design

Lab Fee: \$10

Students who have passed DMD with a C or better can continue developing those digital art skills in this advanced course! Students will use some new as well as the same programs used before, and learn new tools & skills to make them more proficient. We will create digital works that communicate a wide variety of real-world project needs. Digital drawing, graphic design, video art, and animation processes will be elevated by incorporating longer-term focus on projects with a more professional edge.

DANCE

Dance I

Course #310

Grades 9-10-11-12

1 credit

Prerequisite: None

This course introduces students to contemporary dance techniques, dance vocabulary, choreographic concepts, and dance anatomy. Genre studied will be ballet, hip-hop, jazz and contemporary. Students will work independently and in groups, engaging in self, peer and teacher assessments. Students are required to perform in the winter or spring dance showcase.

Dance II

Course #346

Grades 10-11-12

1 credit

Prerequisite: Dance I

This course is a continuation of Dance I refining contemporary dance techniques, dance vocabulary, choreographic concepts, and dance anatomy. Students will perform in the winter and spring dance showcase.

Dance III

Course #353

Grades 11-12

1 credit

Prerequisite: Dance I and Dance II

This course is an advanced dance class designed for students with a high level of performing skill and dance knowledge. Students will take a more mature and disciplined attitude toward their craft, both adding to their abilities and overall technical background. Dance history will extend from Dance II, and students will explore and study several styles of dance. Students will extend their choreographic knowledge and will be expected to compose/perform their own pieces. Performances at showcases will be expected.

Advanced Dance

Course #347

Grades 9-10-11-12

1 credit

Prerequisite: Teacher approval

This course is an advanced dance class designed for students with a high level of skill and technical knowledge. Students take a more mature and disciplined attitude toward their dance. This is a faster moving class with emphasis on progressing towards performances. **This course may be repeated.**

MUSIC

Crimson Chorus-Treble

Course #360

Grades 9-10-11-12

1 credit

Prerequisite: None

This ensemble is a non-auditioned treble chorus consisting of musicians from grades 9-12. This course will cover notation, build sight-singing skills, and introductory vocal techniques. Members are required to participate in quarterly concerts for a grade. **This course may be repeated.**

Varsity Singers

Course #322

Grades 10-11-12

1 credit

Prerequisite: Teacher approval

This course requires permission from the instructor. This ensemble is for advanced treble and bass voices. This course will cover basic music theory, advanced sight singing skills, and vocal techniques. Members are required to sing in quarterly concerts for a grade and audition for honor choir opportunities as recommended. **This course may be repeated.**

Voice Studio Ensemble

Course #336

Grades 10-11-12

1 credit

Prerequisite: Teacher approval

This course requires permission from the instructor. Techniques of singing will be taught. Students will focus on classical vocal repertoire in English, Italian, and German, the history of vocal music, and develop vocal technique. Singers are required to sing at the end of each language unit for a grade and at Fine Arts Friday. Students interested in auditioning for Governor's School for the Arts or majoring in vocal music in college are encouraged to request this course. **This course may be repeated.**

Mustang Chorus-Bass

Course #359

Grades 9-10-11-12

1 credit

Prerequisite: None

This non-auditioned ensemble is open to tenor/bass voices in grades 9-12. This course will cover notation, build sight singing skills, and introductory vocal techniques. Members are required to sing in quarterly concerts for a grade. **This course may be repeated.**

Concert Choir

Course #354

Grades 10-11-12 (9th grade by audition only)

1 credit

Prerequisite: Mustang Chorus-Bass or Crimson Chorus-Treble

This ensemble is for advanced treble voices. This course will cover notation, develop sight singing skills, and vocal technique. Members are required to participate in quarterly concerts for a grade and audition for honor choir opportunities as recommended. **This course may be repeated.**

AP Music Theory

Course #324

Grade 12

1 credit

Prerequisite: One year in performance ensemble

This course is designed to prepare students in the areas of music theory, analysis, and ear training. This will be achieved by developing each student's ability to recognize, understand, and describe the basic processes of music that are heard or presented in a score. Students enrolled in this course are expected to sit for the Advanced Placement Music Theory examination.

Piano

Course #349

Grades 9-10-11-12

1 credit

Prerequisite: None

This course is a self-paced class designed for students of various levels of piano ability. Students will learn basic piano skills, techniques, and repertoire throughout the course of their studies. **This course may be repeated.**

Advanced Piano

Course #355

Grades 9-10-11-12

1 credit

Prerequisite: Minimum of 2 years piano/piano study or permission from instructor

This course is a self-paced class designed for students of accelerated levels of piano ability. Students will learn advanced piano skills and techniques throughout the course of their studies. Seniors who intend to major/minor in music at the collegiate level are encouraged to sign up for this course, regardless of current level of piano ability. **This course may be repeated.**

Introduction to Music

Course #326

Grades 11-12

1 credit

Prerequisite: None

This course is a simultaneous study of the history and literature of music in the Western World through discussion, performance, analysis, and recording. Students will study periods from antiquity through the Classical, Romantic and modern periods.

Beginning Guitar

Course #327

Grades 9-10-11-12

1 credit

Prerequisite: None

This course teaches the basics of playing guitar. Students will learn about the history of the instrument, different types of guitars, and players they should listen to for inspiration. During the course students will learn the basic guitar technique through playing scales and chords. This will be provided through folk songs. Students will understand the acoustics of instruments and be able to perform numerous songs by the end of the year.

Advanced Guitar

Course #328

Grades 10-11-12

1 credit

Prerequisite: Beginning Guitar or teacher approval

This course is designed to provide advanced techniques of guitar playing, including advanced scales, modern color techniques, electric guitar techniques, and other fretted string instruments.

Orchestra

Course #329

Grades 9-10-11-12

1 credit

Prerequisite: Audition

This course is designed to provide the student with an experience in the performance of advanced orchestral literature of various periods and styles, development of advanced orchestral techniques, and fundamentals of music theory. Students electing this course are to understand that it requires participation in out-of-school rehearsals and performances in order to reach satisfactory completion.

Wind Ensemble

Course #330

Grades 9-10-11-12

1 credit

Course Fee: \$20

Prerequisite: Audition

This course offers the top wind and percussion players opportunities to develop musicianship and skills necessary for success in college level ensembles. This is the premier ensemble of the McCracken County High School Band program, performing grade 5 and grade 6 literature. This ensemble class will include concerts, assessments, and preparations for honors band and all-state band tryouts and advanced performance opportunities for individuals and the group. **Students enrolled in band courses will be required to participate in out-of-school rehearsals and performances in order to satisfactorily complete these courses.**

Symphonic Band

Course #331

Grades 10-11-12

1 credit

Course Fee: \$20

Prerequisite: Students should have completed 1 year of Concert Band or have Director Approval to join as a 9th grade student.

This course offers wind and percussion players expanded opportunities to develop musicianship and technical performance skills. This ensemble provides preparation for further excellence, performing grade 3 and grade 4 literature. Class will include concerts, assessments and preparations for honors band

and all-state band tryouts. **Students enrolled in band courses will be required to participate in out-of-school rehearsals and performances in order to satisfactorily complete these courses.**

Concert Band

Course #332

Grades 9-10-11-12

1 credit

Course Fee: \$20

Prerequisite: Completion of Middle School Band 6th-8th Grades (Or Director Approval in Special Circumstances)

Concert Band is primarily composed of 9th grade students building on the fundamentals taught in middle school band. This course will explore the development of music skills of tone, pitch, rhythm, technique and music literacy needed to progress to Symphonic Band/Wind Ensemble. Advanced 9th grade students may have the option to audition to be placed into a higher group (Symphonic Band/Wind Ensemble by setting up an audition with the high school director). This class will include concerts, honor band opportunities and diverse opportunities to enhance musical skills and development.

Students enrolled in band courses will be required to participate in out-of-school rehearsals and performances in order to satisfactorily complete these courses.

Small Ensemble – Color Guard

Course #363

Grades 9-10-11-12

1 credit

Prerequisite: Audition

The class combines performance/competition preparation with equipment and movement instruction at the intermediate to advanced level. Students will be trained in dance in addition to color guard equipment and work with flags, rifles, and sabers. Students will receive integrated instruction in Drama, Theatre, Music and Dance in a classroom setting.

Mustang Marching Band is an outside of school offering for any band or color guard student. This is a premier performance group that participates in many community and sporting events; as well as, competitions in the fall. This group rehearses in late summer through October and competes at the KMEA state music educators state championship and other national competitions. There is no credit associated with this group as a class, but incoming freshmen that fulfill all of the requirements for the marching band season will receive a physical education/PE credit and be able to cover his/her health credit requirement on-line. There is a fee associated with this group.

Jazz Theory and Improvisation

Course #357

Grades 9-10-11-12

1 credit

Prerequisite: Instructor Approval

This course will survey the basic building block of American's only original art form: JAZZ! The students will learn about standard chord progressions and voicing, jazz standards, the history of jazz music, and various jazz artists and styles. The other important aspect and goal of the course will be to learn differing methods, types, styles and forms of improvisation. The students will play their instruments, listen to music by many jazz artists in varying styles and eras and improvise, learning through transcribing solos, analyzing chords and progressions, and playing together with play-along recordings and live rhythm sections. The student should be relatively accomplished at their instrument to participate in this ensemble.

Percussion Ensemble

Course #351

Grades 9-10-11-12

1 credit

Course Fee: \$20

Prerequisite: Audition

This course is designed to help percussion students further their musical skills outside of regular band class. Students will rehearse and perform with others. They will be taught music reading skills, musicality, music terminology, music history, and music theory. We will work on music to be performed with the bands, as well as music to be performed on their own as a percussion ensemble.

Music Theory

Course #358

Grades 10-11-12

1 credit

Prerequisite: Successful completion of a music class at MCHS or instructor approval

This course is designed for musicians to understand the components of music and music composition. Students will learn how to recognize, understand, and describe the basic materials and processes of music. Students will develop their skills through identifying features of pitch, rhythm, scales, chords, notating music they hear, and sight singing.

DRAMA

Drama I

Course #340

Grades 9-10-11-12

1 credit

Prerequisite: None

This course emphasizes basic acting techniques of the theatre including theatre games, improvisation, character development and the fundamentals of preparing a scene. Students will be introduced to theatre terms, learn stage directions, and study popular theatrical work. Emphasis will also be placed on how to audition, monologues and partner scenes, as well as small group performances. Students will work independently and in groups engaging self, peer and teacher assessments.

Drama II

Course #341

Grades 10-11-12

1 credit

Prerequisite: Drama I

This course is a continuation of Drama I and emphasizes acting techniques of the theatre including warm-up exercises, theatre games, improvisation, character development and the fundamentals of preparing a scene. Students will be introduced to theatre history, as well as children's theatre. Students will continue to learn theatre terms and stage directions. Students will work independently and in groups engaging self, peer and teacher assessments. Emphasis will also be placed on how to audition, monologues and partner scenes. Students will analyze theatrical works and will be required to participate in both winter and spring showcases.

Drama III

Course #350

Grades 11-12

1 credit

Prerequisite: Drama I, Drama II, and an Audition/Application

This course is an advanced theatre class designed for students with a high level of performing skill and theatre knowledge. Students will take a more mature and disciplined attitude toward their craft, both adding to their abilities and overall technical background. Theatre history will extend from Drama II, and students will explore and study several pieces of literature. Students will extend their technical theatre knowledge and move into different aspects of play production. Performances at a showcase or class play equivalent will be expected. **This course may be repeated.**

Musical Theatre

Course #323

Grades 10-11-12

1 credit

Prerequisite: One year of a vocal ensemble OR Drama I

This course emphasizes performing techniques in an ensemble setting, focusing on several aspects of musical theatre. Students will be exposed to the rich history of musical theatre, research composers and performers, and will study many different theatrical works. This course will include an introduction to basic production elements of a full scale musical by assisting the department with their spring musical production. **This course may be repeated.**

Theatre Design and Technology

Course #364

Grade Level: 9-10-11-12

1 credit

Prerequisite: none

The objective of this course is to introduce the student to the fundamental elements and principles of technical theatre through hands-on learning that makes use of the production facilities, operations, methods, and technologies. The course will include a brief history of theatrical stages and technology, and an overview of professional theatre and associated labor unions. Students will learn the functions of the creative team, production staff, technicians and stage crew. Basic elements of scenic construction, design concepts, theatrical lighting, sound technologies, and stage management will be introduced and assessed through practical application.

Health Sciences

Principles of Biomedical Science (PBS)

Pathway: Biomedical Sciences

Course #614

Grades 9-10

1 credit

Course Fee: \$30 (this includes a laboratory journal and an activities fee)

Prerequisite: None

The Project Lead the Way Biomedical Sciences (BMS) Program is a four-year program that contains rigorous college-level material designed for students that have an interest in the medical field. PBS is the first course in the sequence of BMS pathway; it serves to provide foundational knowledge and skills in fields such as biology, anatomy & physiology, genetics, microbiology, and epidemiology. Whether seeking a career in healthcare or simply looking for a challenge of real-world problems, students will

practice how to think creatively and will gain practical experience with experimental design and the design process. Through both individual and collaborative team activities, projects, and problems, students will tackle real-world challenges faced by biomedical professionals in the field. They will work with the same tools and equipment used in hospitals and labs as they engage in relevant hands-on work. In PBS, students will: analyze evidence found at a crime scene; question, diagnose, and propose treatment and care for patients; track down the source of a mysterious outbreak; access and stabilize a patient during an emergency; and collaborate with professionals in other fields to innovate and design solutions to medical problems. Students completing PBS are required to take the nationwide standardized PLTW End of Course Exam. Three hours college credit can be received (through Missouri University of Science & Technology) upon completion with an A or B in the class AND a PLTW End-of-Course exam that earns a score of "accomplished" or "distinguished." (The fee of the college course is \$250.00).

Human Body Systems (HBS)

Pathway: Biomedical Science

Course #615

Grades 10-11

1 credit

Course Fee: \$30 (this includes a laboratory journal and an activities fee)

Prerequisite: Principles of Biomedical Science

Students examine the interactions of body systems as they explore identity, communication, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real world cases and often play the role of biomedical professionals to solve medical mysteries. Students completing HBS are required to take the nationwide standardized PLTW End of Course Exam. Three hours college credit can be received (through Missouri University of Science & Technology) upon completion with an A or B in the class AND a PLTW End-of-Course exam that earns a score of "accomplished" or "distinguished." (The fee of the college course is \$250.00).

Medical Interventions (MI)

Pathway: Biomedical Science

Course #616

Grades 11-12

1 credit

Course Fee \$75 (this includes a laboratory journal, lab coat, activities fee and blood drive t-shirt)

Prerequisites: PBS and HBS and teacher recommendation

Students investigate the variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the lives of a fictitious family. The course is a "How-To" manual for maintaining overall health and homeostasis in the body as students explore: how to prevent and fight infection; how to screen and evaluate the code in human DNA; how to prevent, diagnose and treat cancer; and how to prevail when the organs of the body begin to fail. Through these scenarios, students are exposed to the wide range of medical interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. Students completing MI are required to take the nationwide standardized PLTW End of Course Exam. Three hours college credit can be received (through Missouri University of Science & Technology) upon completion with an A or B in the class AND a PLTW End-of-Course exam that earns a score of "accomplished" or "distinguished." (The fee of the college course is \$250.00).

Biomedical Innovation (BI)

Pathway: Biomedical Science

Course #617

Grade 12

1 credit

Course Fee \$45 (this includes a laboratory journal, activities fee, and blood drive t-shirt)

Prerequisite: Principles of Biomedical Science, Human Body Systems, Medical Interventions

Students apply their knowledge and skills to answer questions or solve problems related to the biomedical sciences. Students design innovative solutions for the health challenges of the 21st century as they work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. Throughout this course, students are also required to team with the American Red Cross to design and implement four successful blood drives for MCHS throughout the year. Three hours college credit can be received upon completion with an A or B in the class. (The fee of the college course is \$250.00).

Principles of Health Sciences

Pathway: Allied Health, Pre-Nursing, Dental Assisting, Phlebotomy

Course #624

Grades 9-10-11

1 credit

Prerequisite: None

This course is an orientation to the Healthcare Industry. The course focuses on exploring health career options, history of healthcare, ethical and legal responsibilities, leadership development, safety concepts, health care systems and processes and basic health care industry skills. This introductory course is a prerequisite for additional courses in the Health Science program.

Emergency Procedures

Pathway: Allied Health, Pre-Nursing, Dental Assisting, Phlebotomy, Administration Support

Course #626

Grades 9-10-11-12

.5 credit

Prerequisite: Principles of Health Science

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. **This is a .5 credit and must be taken with Medical Terminology.**

Medical Terminology

Pathway: Allied Health, Pre-Nursing, Dental Assisting, Phlebotomy, Administration Support

Course #632

Grades 9-10-11-12

.5 credit

Prerequisite: Principles of Health Science or Sports Medicine

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. **This is a .5 credit and must be taken with Emergency Procedures.**

Medicaid Nurse Aide-Dual Credit

Pathway: Pre-Nursing

Course #619

Grades 11-12

1 credit

Prerequisite: Principles of Health Sciences or Emergency Procedures/Medical Terminology

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. Prior to offering this course, the instructor and health science program must be approved for meeting state requirements set by the Cabinet for Health and Family Services. Curriculum based through West Kentucky Community and Technical College.

Essentials of Sports Medicine

Pathway: Allied Health

Course #621

Grades 11-12

1 credit

Prerequisite: Principles Health Science or Emergency Procedures/Medical Terminology

This course prepares individuals to perform routine sports medicine related services for the physically active, under the training and supervision of an approved licensed athletic trainer. The purpose of this course is to give individuals knowledge and skills to prevent, recognize, and provide basic care for injuries and sudden illness.

Medical Lab Aide (Phlebotomy)

Pathway: Phlebotomy

Course #634

Grades 11-12

1 credit

Prerequisite: Principles of Health Science, Emergency Procedures/Medical Terminology

This course consists of a combination of classroom and hands-on experiences related to the student's education objectives in the area of Medical Laboratory Aide/Phlebotomist. Students may be eligible to take the National Healthcareer Association Phlebotomy Tech certification exam upon successfully completing the course. It is best practice for students to participate in a work-based learning experience during this course. 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. Students must complete a minimum of 30 successful unaided venipuncture collections and 10 successful unaided capillary collections in order to take the National Healthcareer Association certification exam.

Leadership Dynamics

Pathway: Allied Health, Dental Assisting, Phlebotomy

Course #637

Grades 11-12

.5 credit

Prerequisite: Principles of Health Science, Emergency Procedures/Medical Terminology, application

process, and instructor approval

This course is designed to assist students with developing skills needed to be successful leaders and responsible members of society. The students will develop personal attributes and social skills necessary for a successful transition into the world of work, and/or further education. Emphasis will be placed on team work, problem solving, critical thinking, oral and written communication, personal development, work ethics, and leadership. It is recommended that the student be a member of the student organization where they will have opportunities to apply the knowledge gained from this course. **This is a .5 credit and must be taken with Allied Health Core Skills.**

Allied Health Core Skills

Pathway: Allied Health, Dental Assisting, Phlebotomy

Course #656

Grades 11-12

.5 credit

Prerequisite: Principles of Health Science, Emergency Procedures/Medical Terminology, application process, and instructor approval.

Allied Health Core Skills is designed to provide knowledge, concepts and psychomotor skills necessary for gainful employment as an entry-level health care worker. Assisting students in selecting a career major, classroom instruction and educational objectives are combined with learning experiences, observations, and a work-based learning opportunity such as internship, shadowing, or clinical rotation. This course is designed for students not enrolled in the Medicaid Nurse Aide program or the Patient Care Technician program. **This is a .5 credit and must be taken with Leadership Dynamics.**

Nursing Co-op

Pathway: Pre-Nursing

Course #657

Grades 11-12

1 credit

Prerequisite: Principles of Health Science, Emergency Procedures/Medical Terminology, MNA certification required, application process, and instructor approval.

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. Students must have MNA certification.

Dental Assisting Internship

Pathway: Dental Assisting

Course #658

Open to grades 11-12

1 credit

Prerequisite: Must be in the fourth course in the Dental Assisting Career Pathway to qualify for Internship.

This course is designed to assist students with developing skills needed to be successful dental assistants and responsible members of the health care society. The students will develop skills performed by the dental assistant. Work-based learning is designed to complement the classroom instruction. Students will be required to follow program and agency requirements for attendance and health screenings. These may include but are not limited to drug screens, TB (tuberculin) skin test, and immunization certificates.

Medical Assisting Clinical Procedures

Pathway: Clinical Medical Assisting

Course #638

Grades 12

1 credit

Prerequisite: Principles of Health Science, Emergency Procedures/Medical Terminology, application process, and instructor approval.

Introduces clinical skills and techniques used in the physician's office for patient examination, diagnosis and treatment. Introduces concepts related to electronic health records (EHR). Presents principles and practical applications related to medical asepsis, infection control, vital signs, routine and specialty patient examinations, diagnostic testing, and treatments with an emphasis on OSHA regulations.

Internship: Medical Administrative Assistant

Pathway: Phlebotomy

Course #

Grades 12

1 credit

Prerequisites: Principles of Health Science, Emergency Procedures/Medical Terminology, application process, and instructor approval.

Internship for CTE (Career and Technical Education) courses provides supervised work site experience for high school students who have completed courses leading to a career pathway. Internship experiences consist of a combination of classroom instruction and field experiences. Students receiving pay for intern experience are those participating in an experience that is a semester or longer and have an established employee-employer relationship. A non-paid internship affects those students who participate on a short term basis.

Medical Math

Pathway: Allied Health, Clinical Medical Assisting, Dental Assisting, Phlebotomy, Pre-Nursing

Course #665

Grades 10-11-12

1 credit

Prerequisites: Principles of Health Science

This course is designed to focus, utilize, and build on mathematical skills commonly used in all health occupations. Students will use applied techniques, problem-solving, and critical thinking to perform mathematical operations such as computations, ratio and proportion, weights and measurements, and conversions. This course is strongly recommended for all Health Science majors. Successful completion of Algebra I is suggested prior to enrolling in this course. Students completing an Allied Health or Health Science Career Pathway can take Medical Math as a 4th math course.

Language Arts

English I

Course #200

Grade 9

1 credit

Prerequisite: None

This introductory course includes a study of essential grammar, basic argumentative composition, the

fundamentals of research, vocabulary building skills, and analysis of various genres of literature. An emphasis will be placed on exposure to a variety of writing styles and improvement of individual skill levels. Many projects and activities will be incorporated for student success.

Honors English I

Course #201

Grade 9

1 credit

Prerequisite: None

This course includes a study of grammar, argumentative composition, research, vocabulary and analysis of various genres of literature. An emphasis will be placed on determining and improving skill levels of individuals in these areas. Various projects and activities will be incorporated for enrichment. This course moves at a fast pace and is designed for those who plan to attend college.

English II

Course #203

Grade 10

1 credit

Prerequisite: English I or Honors English I

This course is a comprehensive survey that focuses on literature, grammar and writing. Students will study grammar basics, write multi-paragraph essays, and study novels, short stories, plays, and essays.

Honors English II

Course #204

Grade 10

1 credit

Prerequisite: English I or Honors English I

This course encompasses all English II, plus the student will be expected to complete additional projects to enhance his or her appreciation of writing and literature. This course moves at a fast pace and is designed for those who plan to attend college.

English III

Course #205

Grade 11

1 credit

Prerequisite: English I, English II or Honors English I, Honors English II

This course includes instruction in composition, research techniques, and exploration of literary genres, culture heritage, and literature appreciation, which focuses on American literature.

Honors English III

Course #605

Grade 11

1 credit

Prerequisite: English I, English II or Honors English I, Honors English II

This course includes instruction in grammar, composition, research techniques, and exploration of literary genres with a focus on American literature. Various projects and activities will be incorporated for enhancement. This course moves at a faster pace than English III and is designed for those who do not desire the rigor of the AP/college-level course.

AP English Language and Composition

Course #206

Grades 11-12

1 credit

Prerequisite: English I, English II or Honors English I, Honors English II

This 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 this 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 texts, from many disciplines and historical periods. Students enrolled in this course are expected to sit for the Advanced Placement English Language and Composition examination. This course satisfies the English III or English IV requirement.

English IV

Course #207

Grade 12

1 credit

Prerequisite: English I, English II, English III or Honors English I, II, III

This course includes instruction in grammar, language, composition, research techniques, and exploration of literary genres. Various projects and activities will be incorporated for enhancement. This course is designed for those who plan to transition into the workforce.

Honors English IV

Course #705

Grade 12

1 credit

Prerequisite: English I, English II, English III or Honors English I, II, III

This course includes instruction in grammar, language, composition, research techniques, and exploration of literary genres. Various projects and activities will be incorporated for enhancement. This course moves at a fast pace and is designed for those who plan to attend college.

AP English Literature and Composition

Course #208

Grades 11-12

1 credit

Prerequisite: English I, English II, or Honors English I, II

As stated in the Course Exam and Description for the course, AP Literature and Composition engages students in the careful reading and critical analysis of works from various genres and periods. Through close reading, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readings. Students will consider a work's structure, style and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism and tone. Writing assignments focus on the critical analysis of literature and include expository, analytical, and argumentative essays. The purchase of supplementary materials may be required. Students enrolled in this course are expected to sit for the Advanced Placement English Literature and Composition examination. This course satisfies the English III or English IV requirement.

Writing I-Dual Credit

Course #ENG101DC

Grades 11-12

1 credit

Prerequisites: Strongly encouraged to meet ACT benchmarks and must have a 3.0 unweighted cumulative high school GPA and must be taken with ENG 102

This course focuses on academic writing. Provides instruction in drafting and revising essays that express ideas in Standard English, including reading critically, thinking logically, responding to texts, addressing specific audiences, researching and documenting sources. Includes review of grammar, mechanics and usage. English 101 and 102 may not be taken concurrently. This course satisfies the English III or English IV requirement.

Writing II-Dual Credit

Course #ENG102DC

Grades 11-12

1 credit

Prerequisites: Strongly encouraged to meet ACT benchmarks and must have a 3.0 unweighted cumulative high school GPA

This course emphasizes argumentative writing. Provides further instruction in drafting and systematically revising essays that express ideas in Standard English. Includes continued instruction and practice in reading critically, thinking logically, responding to texts, addressing specific audiences, and researching and documenting credible academic sources. This course satisfies the English III or English IV requirement.

Writing II-Dual Credit

Course #ENG102DC

Grades 12

1 credit

Prerequisites: Strongly encouraged to meet ACT benchmarks and must have a 3.0 unweighted cumulative high school GPA and must have taken with ENG 101 or passed AP Lang or Lit exam with a 3 or better

This course emphasizes argumentative writing. Provides further instruction in drafting and systematically revising essays that express ideas in Standard English. Includes continued instruction and practice in reading critically, thinking logically, responding to texts, addressing specific audiences, and researching and documenting credible academic sources. This course satisfies the English III or English IV requirement.

AP Seminar

Course #227

Grade 10

1 credit

Prerequisite: Must be enrolled with Honors English II and AP Seminar simultaneously the full year to receive credit for either.

Students in AP Seminar are assessed through a team research project and oral presentation among their peers, an individual research essay with corresponding individual oral presentation among their peers, and a written exam and are expected to submit their work digitally to be scored. The foundational course provides students with opportunities to think critically and creatively, research, explore, pose solutions, develop arguments, collaborate, and communicate using various media. Students explore real-world issues through cross-curricular lenses and consider multiple points of view to develop an understanding of complex issues to connect to their own lives. Topics are drawn from a list of themes

that include but are not limited to the following: Discovery, Diversity, Education, Immigration, Liberty, Myth, Networks, Power, Revolution, and Sustainability. Students enrolled in this course are encouraged to sit for the Advanced Placement Seminar examination.

AP Research

Course #228

Grades 11-12

1 credit

Prerequisite: AP Seminar

This course culminates in a 4,500- to 5,000-word academic paper, which enables students to develop practical skills in research methodology and the skills to manage a sustained piece of academic work. Students are evaluated on their ability to design, plan and manage a research project, collect and analyze information, evaluate and make reasoned judgments, and communicate their findings and conclusions. Students earning passing scores in the seminar and research project as well as scores of 3 or higher on a minimum of three AP Exams will receive the **AP Capstone Credential**, demonstrating their proficiency in college-level subject knowledge as well as their research, communication and collaborative skills. Students enrolled in this course are encouraged to submit a paper for the Advanced Placement Research examination.

Basic Public Speaking

Course #211

Grades 10-11-12

1 credit

Prerequisite: English I

This course provides experience and training in public speaking so that students are equipped with the skills essential for success in the business and academic worlds of today and tomorrow. Students learn to tailor a message to suit a particular audience, enhance the message through technology, understand logic and reasoning, develop listening skills, identify propaganda techniques, and understand the physical producers of voice to control and vary tone, volume, pitch and rate. Students participate in workshop-oriented groups to develop the various skills listed above. Students complete a short instructional unit at the beginning of the semester and spend the rest of the semester giving speeches. Students are responsible for constructive feedback of their peers' speeches, as well as self-evaluation.

Debate

Course #212

Grades 10-11-12

1 credit

Prerequisite: English I

This course provides students the opportunity to develop skills in the art of debate. Students will learn effective delivery techniques, language to avoid, and how to effectively use your voice. Other units will focus on listening, negotiation, and group problem solving. Students will gain experience in: extemporaneous speaking, impromptu speaking, informal debate, and public forum debate.

Introduction to Creative Writing and Poetry

Course #223

Grades 9-10-11-12

1 credit

Prerequisite: None

This course will examine various styles, techniques, and genres of prose and poetry. Students will be

required to read a variety of material from authors and poets and write their own original works. Students will share, discuss, and analyze their writings, in addition to writings of their peers and others.

Creative Writing

Course #213

Grades 10-11-12

1 credit

Prerequisite: Introduction to Creative Writing and Poetry

Writing is a therapeutic form of expression, providing individuals an outlet for their emotions and creativity. Students will have the autonomy to write about diverse topics that personally resonate with them, using a variety of styles and techniques, as well as genres of prose and poetry. Students will share, discuss, and analyze their writings, in addition to writings of their peers and others.

The Bible and Its Influence

Course #225

Grades 10-11-12

1 credit

Prerequisite: English I

This course is an academic study of the Bible and its monumental influence on literature, history, music, visual arts, and the modern world. The course introduces students to the Bible through selected narratives, characters, discourses, proverbs, and poetry from the Hebrew Scriptures and through a literary overview of the New Testament. It also demonstrates how the Bible inspired and influenced the world through all time. The class is also designed to explore the continuing influence of the Bible on popular culture today.

Journalism: Introduction to Journalism

Course #912

Grades 9-10-11

1 credit

Prerequisite: None

This course will focus on an overview of what news is, how to generate story ideas, and the basics of print journalism. Students will be responsible for a small publication, and will also have the opportunity to hand in articles for print in the school newspaper or yearbook. This course will be focused mainly on writing and editing news articles, features, etc. It will also introduce ethics, layout, and photography. Outside class assignments are required.

Journalism: Newspaper Production

Course #215

Grades 10-11-12

1 credit

Prerequisite: Students who have taken Introduction to Journalism will be considered first. Teacher approval by application is required.

This course includes the writing of editorials, features, news, and sports articles for the publication of a school newspaper. Leadership opportunities are available. Selling advertising space is required and part of the grade for the class. Outside work may be required. **This course may be repeated.**

Journalism: Yearbook Production

Course #216

Grades 10-11-12

1 credit

Prerequisite: Students who have taken Introduction to Journalism will be considered first. Teacher approval by application is required.

This course introduces the unique characteristics of journalistic expression. Unlike any other class, staff members are responsible for a published product of 300 color pages, and have the privilege of seeing the product through from beginning to end. Skills include writing, editing, and proofreading articles for use in mass media, selling yearbooks, selling ads in the community, interviewing, photography, creating and designing pages and double page spreads for publication, and more. Outside class assignments are required. Meeting strict deadlines is necessary, or students may not pass.

Senior Studies

Course #909

Grade 12

1 credit

Prerequisite: Seniors who are completing pre-college curriculum

Seniors will have the opportunity to study/complete work for other classes, create a “senior year” calendar, write resume/prag sheet, apply for scholarships and review/edit essays with them, apply to universities (research cities where schools are located, understand university requirements, understand university scholarships, understand university offerings), find college’s actual cost, info about FAFSA, ACT/SAT prep as individually needed, setup meetings with college admissions counselors for Q & A, help with letters of recommendation, begin completing enrollment paperwork, develop summer-after-grad checklist, etc.

Fairy Tales, Mythology, and Folklore

Course #224

Grades 9-10-11-12

1 credit

Prerequisite: None

This course will explore a survey of the major myths from various cultures; including stories of Greek, Roman and Norse origins and the gods, heroes, and heroines within. Students will be exposed to fairy tales and legends across cultures, both familiar and obscure. Through discussion and project-based learning, students will examine the function of these myths and tales, in particular, their use in today's pop culture and their inclusion in modern literature.

Law Enforcement Services

Introduction to Criminal Justice

Pathway: Law Enforcement Services

Course #715

Grades 9-10-11

1 credit

Prerequisite: None

This course studies the history and philosophy of criminal justice, ethical considerations, definition of crime, the nature and impact of crime, an overview of the criminal justice system including law enforcement, corrections, and the court systems.

Criminal Investigation

Pathway: Law Enforcement Services

Course #716

Grades 10-11-12

1 credit

Prerequisite: None

This course includes investigative theory, collection and preservation of evidence, sources of information, procedures for conducting interviews and interrogations, using forensic sciences, and preparing for cases and trials.

Law Enforcement**Pathway: Law Enforcement Services**

Course #717

Grades 9-10-11

1 credit

Prerequisite: None

This course trains students to evaluate the powers granted to the police and restrictions placed upon them by respective constitutions and their amendments. Specific topics of discussion will include search and seizure, arrests, interviews, interrogations, and confessions in the context of criminal prosecution. Activities include tactics, methods, and skills utilized in the law enforcement field. Skills will be obtained in basic disaster response.

Introduction to Homeland Security**Pathway: Law Enforcement Services**

Course # 718

Grades 11-12

1 credit

Prerequisite: Introduction to Criminal Justice and Law Enforcement

Homeland Security focuses on security policy, planning, and operations dedicated to the protection of the U.S. territory, assets, infrastructure, institutions and citizens from external threats. It includes instruction in national security policy, government relations, intelligence, law enforcement, security technology, communications and information technology, homeland security planning and operations, disaster planning and applications to specific threat scenarios.

Terrorism and Counterterrorism Operations**Pathway: Law Enforcement Services**

Course # 723

Grades 10-11-12

.5 credit

Prerequisite: Introduction to Criminal Justice and Law Enforcement

This course focuses on the study of terrorism as a global and national threat and the methods for analyzing and countering it. It includes instruction in psychology, cultural studies, terrorist history and organization, terrorist capabilities, terrorist finance and international money laundering, threat assessment, intelligence operations, incident command systems, border security, emergency response, joint operations, surveillance and communications systems, cyberterrorism, weapons of mass destruction, counter terrorist operations, and applications to specific terrorist organizations and threats.

This is a .5 credit course and must be taken with Critical Infrastructure Protection.

Critical Infrastructure Protection

Pathway: Law Enforcement Services

Course #724

Grades 10-11-12

.5 credit

Prerequisite: Introduction to Criminal Justice and Law Enforcement

A course focusing on the design, planning and management of systems and procedures for protecting critical national physical and cyber infrastructure from external threats, including terrorism. Includes instruction in homeland security policy, critical infrastructure policy, information security, matrix vulnerability assessment, threat assessment, physical security, personnel security, operational security, contingency planning, case analyses of specific industries and systems, redundancy planning, emergency and disaster planning, security systems, and intelligence operations. **This is a .5 credit course and must be taken with Terrorism and Counterterrorism Operations.**

Mathematics

Algebra I

Course #400

Grade 9

1 credit

Prerequisite: None

This course is designed to emphasize the development of skills, techniques and applications that deal with algebra, number relations, linear equations and inequalities, functions, graphing linear equations and inequalities, solving systems of equations, properties of exponents, operations with polynomials, factoring, solving quadratic equations and graphing quadratic functions. Completion of this course prepares a student for further work in mathematics. Student placement into this course may be based on assessment scores from a variety of sources.

Honors Algebra I

Course #402

Grade 9

1 credit

Prerequisite: Teacher Recommendation

This course is enriched Algebra I, and it is recommended that students planning on taking all high-level math classes offered take this course. Topics include solving linear equations and inequalities, functions, graphing linear equations and inequalities, solving systems of equations, properties of exponents, operations with polynomials, factoring, solving quadratic equations and graphing quadratic functions. Students in Honors Algebra 1 will be required to apply mathematics to real-world situations and make connections between mathematical concepts.

Geometry

Course #403

Grade 10

1 credit

Prerequisite: Algebra I

This course is designed to give an understanding of and appreciation for geometric concepts found in everyday life. Content includes points, lines, planes, angles, triangles, similarity and congruence, circles,

coordinate geometry, symmetry, transformations, the Pythagorean Theorem, trigonometry, area, and volume.

Honors Geometry

Course #404

Grades 9-10

1 credit

Prerequisite: Honors Algebra I or teacher recommendation

This course focuses on the discovery and realistic applications of geometric applications and principles in greater depth and at a faster pace than geometry. If time permits, this course may include more concepts and skills than geometry. Topics include: slope, indirect measurements, parallelism, perpendicularity, points, lines, planes, angles, triangles, plane figures, similarity and congruence, circles, area, surface area, volume, coordinate geometry, symmetry, transformations, the Pythagorean Theorem, and trigonometry. It is highly recommended that students purchase a TI84/C graphing calculator.

Algebra II

Course #405

Grade 11

1 credit

Prerequisite: Algebra I and Geometry

This course extends topics learned in Algebra I and introduces new topics. Students solve, graph, and write equations/inequalities of lines, absolute value, quadratics, polynomials, exponential, and logarithmic functions and use them to model a variety of situations. In addition, students will study functions and function notation, roots, complex numbers, radicals, probability, and sequences/series.

Honors Algebra II

Course #1406

Grades 9-10-11

1 credit

Prerequisite: Honors Algebra I and Honors Geometry or teacher recommendation

This course may include more concepts and skills than the regular class as well as exploring concepts at a deeper level. Topics include solving, graphing, and writing equations/inequalities of lines, piecewise functions, absolute value, quadratics, polynomials, exponential, and logarithmic functions and using them to model a variety of situations. In addition, students will study functions and function notation, roots, complex numbers, radicals, probability, sequences/series, rational functions, and conic sections. It is highly recommended that students purchase a TI84/C graphing calculator.

Algebra III

Course #407

Grades 11-12

1 credit

Prerequisites: Algebra I, Algebra II, and Geometry, ACT Math subscore of 19-21

This course is designed for students who may not be required to take a specialized calculus course in college. Topics may include, but are not limited to relations and functions, complex numbers, exponential and logarithmic equations, sequences and series, and probability. Heavy focus on reaching the college entrance math benchmark.

College Preparatory Math

Course #408

Grades 11-12

1 credit

Prerequisite: Algebra I, Algebra II, Geometry, ACT Math subscore 18 and below

This course is designed to help students with algebraic skills and prepare them for success in college math courses. Particular emphasis is placed on preparing a student to be successful in college algebra.

Pre-Calculus

Course #409

Grades 10-11-12

1 credit

Prerequisite for Sophomores/Juniors: Honors Algebra I, Honors Algebra II, Honors Geometry, or teacher recommendation

Prerequisite for Seniors: Honors Algebra I, Honors Algebra II, Honors Geometry, and ACT Math subscore of 22 or above; or teacher recommendation

This course provides an in depth study of trigonometry. Topics include trigonometric functions and their graphs, the unit circle, triangles, trigonometric identities, solving trigonometric equations, the law of sines and cosines, sequences and series, conic sections, and exponential and logarithmic functions. This course is necessary for AP Calculus AB or AP Calculus BC.

AP Calculus AB

Course #410

Grades 11-12

1 credit

Prerequisite: Pre-Calculus

This course follows the curriculum established by the College Board. Topics include properties of functions, limits, derivatives, applications of derivatives, anti-derivatives, techniques of integration, the definite integral and applications of the integral. Students enrolled in this course are encouraged to sit for the Advanced Placement Calculus AB examination.

AP Calculus BC

Course #412

Grades 11-12

2 credits (2 semesters on the block)

Prerequisite: Pre-Calculus and an interest in the field of mathematics

AP Calculus BC is an extension of AP Calculus AB that follows the curriculum established by the College Board. A student should choose to take either AB or BC. A qualifying score on the BC exam gives more college credit, but is much more rigorous than AB. All topics from AB will be taught plus parametric, polar, and vector functions and analysis of planar curves, Euler's method, L'Hospital's Rule, improper integrals, applications of integrals, integration by parts, and logistic equations for modeling. Polynomial approximations and series will also be covered. It is highly recommended that students purchase a TI84/C graphing calculator. Students in this course are encouraged to sit for the Advanced Placement Calculus BC examination.

AP Statistics

Course #411

Grades 10-11-12

1 credit

Prerequisite: Honors Algebra II

This course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: 1) Exploring Data:

Describing patterns and departures from patterns. 2) Sampling and Experimentation: Planning and conducting a study. 3) Anticipating Patterns: Exploring random phenomena using probability and simulation. 4) Statistical Inference: Estimating population parameters and testing hypotheses. It is highly recommended that students purchase a TI84/C graphing calculator. Students enrolled in this course are encouraged to sit for the Advanced Placement Statistics examination.

College Algebra-Dual Credit

Course #MAT150WKCTCD

Grades 11-12

1 credit

Prerequisite: Algebra I, Algebra II, Geometry, strongly encouraged to meet ACT benchmarks and must have a 3.0 unweighted cumulative high school GPA

This is a college level course, which satisfies the math requirement for some bachelor degrees, and builds a foundation necessary for success in college level Trigonometry and Calculus. Topics include (but not limited to) functions, polynomials, exponential and logarithmic equations, and linear and nonlinear systems. It is highly recommended that students purchase a TI84/C graphing calculator.

AP Computer Science Principles

Course #181

Grades 10-11-12

1 credit

Prerequisite: Honors Algebra II

AP Computer Science Principles introduces students to the foundations of computer science with a focus on how computing powers the world. Along with the fundamentals of computing, students will learn to analyze data, create technology that has a practical impact, and gain a broader understanding of how computer science impacts people and society. Topics also include cyber security, programming, and understanding the Internet. Students in this course are encouraged to sit for the Advanced Placement Computer Science Principles exam. ***This course does not meet a math requirement.**

Introduction to Statistics

Course #415

Grades 10-11-12

1 credit

Prerequisite: Honors Algebra II

This is an introductory course in statistics designed to provide students with the basic concepts of data analysis and statistical computing. Topics covered include basic descriptive measures, measures of association, probability theory, confidence intervals, and hypothesis testing. The main objective is to provide students with the tools necessary for assessing statistical claims and conducting their own statistical analyses.

High School Mathematics Intervention

Course #416

Grade 9

1 credit

Prerequisite: None

This course is for students who need additional time and support or for students in mathematics at the high school level who could benefit from enrichment. This course includes support for all high school mathematics courses. ***This course does not meet a math requirement.**

Trigonometry-Dual Credit

Course # MAT155

Grade 11-12

1 credit

Prerequisite: Algebra I, Algebra II, Geometry, strongly encouraged to meet ACT benchmarks and must have a 3.0 unweighted cumulative high school GPA

Includes the trigonometric functions, identities, multiple analytic formulas, laws of sines and cosines, graphs of trigonometric functions in rectangular and polar coordinates, and solving trigonometric equations. Emphasizes applications in each topic. (Students may not receive credit for both MAT155 and any other trigonometry or pre-calculus course.)

Physical Education

Health

Course #500

Grades 9-10-11-12

.5 credit

Prerequisite: None

This course will allow students to analyze, describe, and explain concepts related to health promotion and disease prevention. Emphasis is placed on developing health enhancing behaviors. This is a .5 credit course and must be taken with PE.

PE (Physical Education)

Course #501

Grades 9-10-11-12

.5 credit

Prerequisite: None

This course will allow students to be introduced to various individual and team sports (volleyball, badminton, and floor hockey). Instructions in physical fitness, conditioning, and the basic principles of weight control are also taught. **This is a .5 credit course and must be taken with Health.**

Strength and Conditioning

Course #503

Grades 10-11-12

1 credit

Prerequisite: Health and Physical Education

This course will allow the student an opportunity to utilize and learn the basic principles of free weights, exercise machines, and speed and agility. Proper weightlifting techniques and safety precautions will be emphasized in this course. **This course may be repeated.**

Men's Advanced Strength and Conditioning

Course #504

Grades 9-10-11-12

1 credit

Prerequisite: Team member of MCHS golf, tennis, swimming, cross country, track, or COED cheerleading

This course is designed for highly motivated male student athletes participating in the sports of golf, tennis, wrestling, swimming, cross country, track, and cheerleading at MCHS to utilize principles of free

weights, exercise machines, and speed and agility. Proper weightlifting techniques and safety precautions will be emphasized in this course. Student athletes will be measured on their one rep max three core lifts: bench, powerclean, and squat. One rep maxes will be tested at the end of each nine weeks and your strength and growth will reflect your academic grade. **This course may be repeated.**

Women's Advanced Strength and Conditioning

Course #505

Grades 9-10-11-12

1 credit

Prerequisite: Team member of MCHS golf, tennis, wrestling, swimming, cross country, track, cheerleading, or softball team

This course is designed for highly motivated female student athletes participating in the sports of golf, tennis, swimming, cross country, track, cheerleading, and softball at MCHS to utilize principles of free weights, exercise machines, and speed and agility. Proper weightlifting techniques and safety precautions will be emphasized in this course. Student athletes will be measured on their one rep max three core lifts: bench, powerclean, and squat. One rep maxes will be tested at the end of each nine weeks and your strength and growth will reflect your academic grade. **This course can be repeated.**

Varsity Football Strength & Conditioning

Course #507

Grades 10-11-12

1 credit

Prerequisite: Member of the MCHS football team enrolled in 10, 11, or 12 grade

This course is designed to teach the highly motivated male student athlete participating in football at MCHS to utilize principles of free weights, exercise machines, and speed and agility. Proper weightlifting techniques and safety precautions will be emphasized in this course. Student athletes will be evaluated on meeting the standards and criteria set by the football program. Academic success in this course is required to maintain your status on the MCHS football team. **This course can be repeated.**

Freshmen Football Strength & Conditioning

Course #508

Grade 9

1 credit

Prerequisite: Member of the MCHS football team enrolled in 9th grade

This course is designed to teach the highly motivated male student athlete participating in football at MCHS to utilize principles of free weights, exercise machines, and speed and agility. Proper weightlifting techniques and safety precautions will be emphasized in this course. Student athletes will be evaluated on meeting the standards and criteria set by the football program. Academic success in this course is required to maintain your status on the MCHS football team.

Baseball Strength & Conditioning

Course #509

Grades 9-10-11-12

1 credit

Prerequisite: Member of the MCHS baseball team

This course is designed to teach the highly motivated male student athlete participating in baseball at MCHS to utilize principles of free weights, exercise machines, and speed and agility. Proper weightlifting techniques and safety precautions will be emphasized in this course. This course may be repeated.

Basketball Strength & Conditioning

Course #510

Grades 9-10-11-12

1 credit

Prerequisite: Member of the MCHS basketball team

This course is designed to teach the highly motivated male student athlete participating in basketball at MCHS to utilize principles of free weights, exercise machines, and speed and agility. Proper weightlifting techniques and safety precautions will be emphasized in this course. **This course may be repeated.**

Soccer Strength & Conditioning

Course #511

Grades 9-10-11-12

1 credit

Prerequisite: Member of the MCHS men's soccer team

This course is designed to teach the highly motivated male student athlete participating in soccer at MCHS to utilize principles of free weights, exercise machines, and speed and agility. Proper weightlifting techniques and safety precautions will be emphasized in this course. **This course may be repeated.**

Wrestling Strength & Conditioning

Course #512

Grades 9-10-11-12

1 credit

Prerequisite: Member of the MCHS wrestling team

This course is designed to teach the highly motivated male student athlete participating in wrestling at MCHS to utilize principles of free weights, exercise machines, and speed and agility. Proper weightlifting techniques and safety precautions will be emphasized in this course. Student athletes will be evaluated on meeting the standards and criteria set by the wrestling program. Academic success in this course is required to maintain your status on the MCHS wrestling team. **This course may be repeated.**

Volleyball Strength & Conditioning

Course #513

Grades 9-10-11-12

1 credit

Prerequisite: Member of the MCHS volleyball team

This course is designed to teach the highly motivated female student athlete participating in volleyball at MCHS to utilize principles of free weights, exercise machines, and speed and agility. Proper weightlifting techniques and safety precautions will be emphasized in this course. **This course may be repeated.**

Women's Advanced Strength & Conditioning Soccer

Course #514

Grades 9-10-11-12

1 credit

Prerequisite: Member of the MCHS women's soccer team

This course is designed to teach the highly motivated female student athlete participating in soccer at

MCHS to utilize principles of free weights, exercise machines, and speed and agility. Proper weightlifting techniques and safety precautions will be emphasized in this course. **This course may be repeated.**

Women's Advanced Strength & Conditioning Basketball

Course #515

Grades 9-10-11-12

1 credit

Prerequisite: Member of the MCHS girls' basketball team

This course is designed to teach the highly motivated female student athlete participating in basketball at MCHS to utilize principles of free weights, exercise machines, and speed and agility. Proper weightlifting techniques and safety precautions will be emphasized in this course. **This course may be repeated.**

Co-Ed Advanced Strength & Conditioning

Course #516

Grades 9-10-11-12

1 credit

Prerequisite: Member of the MCHS Co-Ed Cheer team

This course is designed to teach the highly motivated male and female student athletes participating in Co-Ed Cheer at MCHS to utilize principles of free weights, exercise machines, and speed and agility. Proper weightlifting techniques and safety precautions will be emphasized in this course. **This course may be repeated.**

Women's Advanced Strength & Conditioning Softball

Course #517

Grades 9-10-11-12

1 credit

Prerequisite: Member of the MCHS softball team

This course is designed to teach the highly motivated female student athlete participating in softball at MCHS to utilize principles of free weights, exercise machines, and speed and agility. Proper weightlifting techniques and safety precautions will be emphasized in this course. **This course may be repeated.**

Introduction to Weightlifting

Course #518

Grades 10-11-12

1 credit

Prerequisite: Health and PE

This course is designed to give students the opportunity to learn basic weight training concepts and techniques used for obtaining optimal physical fitness.

Advanced PE

Course #519

Grades 10-11-12

1 credit

Prerequisite: Health and PE

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. ***This course can be repeated.**

Science

Integrated Science I

Course #600

Grade 9

1 credit

Course Fee: \$20

Prerequisite: None

This course involves a lab/activity/project approach with main emphasis on introductory earth and space science and physical science as outlined by the Kentucky Core Academic Standards including: energy in the earth system, geochemical cycles, climate, tectonic plates, formation and ongoing changes of the earth system and the universe, ecology, renewable resources, interrelation of organisms. This course prepares students to continue science courses requiring laboratory skills.

Biology

Course #601

Grade 10

1 credit

Course Fee: \$20

Prerequisite: Integrated Science I

This course takes an extensive and comprehensive look at all the areas that fall under the scope of Biology including the cell, genetics and ecology. The curriculum is designed around the numerous standards set forth by the Next Generation Science Standards framework.

Honors Biology

Course #602

Grades 9-10

1 credit

Course Fee: \$20

Prerequisite: None

This course involves a lab centered interdisciplinary approach with main emphasis on life science as outlined by the Next Generation Science Standards including: the cell, the molecular basis of heredity, biological change, interdependence of organisms, matter, energy and organization of living systems, and the behavior of organisms. The pace of this course is accelerated and material is presented in greater depth than in Biology.

Integrated Science II

Course #603

Grade 11

1 credit

Course Fee: \$20

Prerequisite: Integrated Science I and/or Biology

This course introduces students to techniques and methods employed in both chemistry and physics with emphasis on laboratory work in solving problems of a scientific nature. A review/extension of Earth-Space Science is included. Individual and group laboratory experiences are an integral part of the course.

Chemistry

Course #604

Grades 10-11

1 credit

Course Fee: \$20

Prerequisite: Honors Biology, Algebra I

This course involves the application of chemical concepts in a variety of problem solving and laboratory situations. Content for the course will include: structure, classification and properties of matter, chemical reactions, stoichiometry, atomic theory and periodicity, interactions of energy and matter, acids and bases, and equilibrium.

Intro to Physics

Course #633

Grade 11

1 credit

Course Fee: \$20

Prerequisite: Chemistry, Algebra I

This course develops a conceptual understanding of physics and Earth/space science content through the use of scientific inquiry. Concepts such as motions and forces, conservation of energy and the increase in disorder, interactions of energy and matter, and energy in the Earth system are discussed. A scientific inquiry approach uses concrete hands-on experiences that require students to apply critical thinking skills with less emphasis on math.

Physics

Course #605

Grade 11

1 credit

Course Fee: \$20

Prerequisite: Algebra II and Chemistry

This course is a study of some of the major concepts and laws of classical and modern physics. Historical context provides the student with a foundation for understanding the natural phenomena and technological devices encountered in everyday experience. Topics include a study of motion and Newton's laws, momentum and energy, the structure of matter, thermodynamics, relativity, wave motion, electricity, electromagnetism, light and the quantum nature of the atomic and subatomic world.

AP Biology

Course #606

Grades 11-12

1 credit

Course Fee: \$20

Prerequisite: Honors Biology, Chemistry

In this course, students study advanced topics in biology as recommended by the College Board. In-depth study of topics is reinforced by lab work and individual projects. This sequence is beneficial for students considering science, medicine, or related careers. Students enrolled in this course are expected to sit for the Advanced Placement Biology examination.

AP Chemistry

Course #607

Grades 11-12

1 credit

Course Fee: \$20

Prerequisite: Honors Biology, Chemistry, Algebra II

This course reinforces and expands on the content of Chemistry in addition to new areas of study.

Content includes atomic structures and properties, compound structure and properties, intermolecular forces, chemical reactions, kinetics, thermodynamics, equilibrium, acids and bases, and electrochemistry. Experiments reinforce these units; problem solving is emphasized. Students enrolled in this course are expected to sit for the Advanced Placement Chemistry examination.

AP Environmental Science

Course #608

Grades 11-12

1 credit

Course Fee: \$20

Prerequisite: Honors Biology, Chemistry

This course allows students to investigate the interrelationships of the natural world, analyze environmental problems, and examine alternative solutions for resolving/preventing these problems.

Students enrolled in this course are expected to sit for the Advanced Placement Environmental Science examination.

AP Physics 1

Course #631

Grade 12

1 credit

Course Fee: \$20

Prerequisite: Physics, Chemistry, Pre-Calculus

This course provides a systematic introduction to the main principles of physics and emphasis on the development of conceptual understanding and problem-solving ability using algebra and trigonometry, but rarely calculus. In most colleges, this is a one-year terminal course including a laboratory component and is not the usual preparation for more advanced physics and engineering courses. This course is designed for students planning to major in science and engineering. Students enrolled in this course are expected to sit for the Advanced Placement Physics 1 examination.

Forensic Science

Course #611

Grades 11-12

1 credit

Course Fee: \$20

Prerequisite: Biology and Integrated Science II or Chemistry

This course is designed to give students an overview of various topics within the forensic science field. The course will incorporate concepts from biology, chemistry, physics, history, writing, and the law. It will include extensive laboratory work and research. Areas of study will include forensics, gross anatomy, ballistics, trace evidence, fingerprinting, criminal profiling and toxicology.

Anatomy and Physiology

Pathway: Allied Health, Dental Assisting, Phlebotomy and Pre-Nursing

Course #612

Grades 11-12

1 credit

Course Fee: \$20

Prerequisite: Honors Biology and Chemistry or teacher recommendation

This course is an advanced course in which students investigate the structures and functions of the components of the human body. This course investigates the specialization of cells, how cells function cooperatively as tissues and organs, and the interrelationships of systems that result in a living organism. The course offers students opportunities to investigate anatomical structures and regulating mechanisms that influence how systems function. The course is designed to build a knowledge base for those students who wish to pursue a medically oriented career. May include cat, fetal pig dissection, and other activities.

Human Ecology

Course #613

Grades 11-12

1 credit

Prerequisite: Biology and Integrated Science II or Chemistry

This course examines the way in which human populations impact ecosystems such as the desert, tropical rain forests, tundras, etc. This course also examines the extent to which resources are needed to sustain populations given certain behaviors in an ecosystem. Population growth and economic development are also considered in this course.

Advanced Anatomy & Physiology

Course #635

Grade 12

1 credit

Course Fee: \$25

Prerequisite: Anatomy and Physiology

This course is an advanced life science course for students who plan to enter the field of science or any medical field. It will continue to explore organ systems that were not covered in Anatomy and Physiology. It will include in-depth cat or rat dissection.

General College Chemistry I (CHE 170)-Dual Credit

Course #CHE170

Grade 11-12

1 credit

Prerequisite: ACT math score of 22 OR College Algebra or higher with "C" or better OR Appropriate score on chemistry placement exam. Must be taken with General College Chemistry Laboratory I (CHE 175)

Focuses on major chemical topics, including stoichiometry, atomic structure, properties of matter and the relationship between molecular structure and chemical behavior. Emphasizes solving of mathematical problems which illustrate the principles of chemistry. Designed for students in the sciences, engineering, and pre-professional programs.

General College Chemistry Laboratory I (CHE 175)-Dual Credit

Course #CHE175

Grade 11-12

1 credit

Prerequisite: enrollment in CHE 170 General College Chemistry I

Reinforces concepts covered in CHE 170 and introduces basic laboratory techniques, methods, and instrumentation through selected experiments. Emphasizes both quantitative and qualitative techniques.

General College Chemistry II (CHE 180)-Dual Credit

Course #CHE180

Grade 12

1 credit

Prerequisite: CHE 170 with a grade of "C" or better AND Completion of College Algebra Readiness course or higher with a grade of "C" or better

General College Chemistry II continues CHE 170. Focuses on major chemical topics, including acid-base chemistry, kinetics, thermodynamics, and chemical equilibrium. Emphasizes solving of mathematical problems which illustrate the principles of chemistry. Designed for students in the sciences, engineering, and pre-professional programs.

General College Chemistry Laboratory II (CHE 185)-Dual Credit

Course #CHE185

Grade 12

1 credit

Prerequisite: CHE 175 with a grade of C or better

Reinforces concepts covered in CHE 180 and introduces basic laboratory techniques, methods, and instrumentation through selected experiments. Emphasizes both quantitative and qualitative techniques.

Social Studies

Human Government and Geography

Course #1703

Grade 9

1 credit

Prerequisite: None

This course will present high school students with the survey courses of human geography and government and economics. Content is presented thematically rather than regionally and is organized around the disciplines of geography, government and economics according to the National and State standards. The approach is spatial and problem oriented, with case studies drawn from all world regions, with an emphasis on understanding the world in which we live today. The primary emphasis of this course is to give students a foundation to Geography both Human and Physical, Government-creation of the American Government system and Economics as it relates to the business and consumer world.

World Civilization and Geography

Course #702

Grade 10

1 credit

Prerequisite: Human Government

This course establishes a framework in which historical patterns, themes and concepts are explored. Although this course touches on some of the greatest ancient and classical civilizations of the old world, it also covers the development of western traditions, especially in the last 500 years. There is an emphasis on the geographical context of civilizations. Students will find ample reason to appreciate both the diversity of the human past and the commonalities in each stage of history. Basic skills in reading, writing, note and test taking will be practiced. Social skills, cooperative group work, debate and class discussion will be taught.

U.S. History

Course #701

Grade 11

1 credit

Prerequisite: None

This course is focused on the forces that shaped and continue to shape political, economic, and social institutions and the impact of these forces on the development of the U.S. from 1875 to the present. Changes in social and cultural values will be included. The growth of the arts and literature, social reform movements, the extension of civil rights, the labor movement and the growth of government will be included. The diversity of ethnic and racial origins of Americans and the impact of this diversity of the nation will be emphasized. **Students completing U.S. History will be required to take the Citizenship exam and must score a 60% or higher to graduate from high school.**

AP Human Geography

Course #709

Grades 9-10-11-12

1 credit

Prerequisite: None

This course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of our world. Students employ geographical and spatial concepts and tools to analyze topics such as human population movement and organization, cultural patterns and processes, political organization, agricultural and rural land use, industrialization and economic development, and city and urban land use. Students will be expected to integrate college-level reading with maps, graphs and other spatial data sets to conduct analyses, apply models and draw conclusions. Students enrolled in this course are expected to sit for the Advanced Placement Human Geography examination.

AP World History

Course #704

Grade 10

1 credit

Prerequisite: None

This course 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 1400 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 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. Students enrolled in this course are expected to sit for the Advanced Placement World History exam.

AP U.S. History

Course #703

Grade 11

1 credit

Prerequisite: None

This course considers the American experience from colonial times to the present. The course requires excellent reading and writing skills, and its structure is designed to prepare students for the Advanced Placement Test in U. S. History. Course activities include writing positions papers each semester, two to

four in class essays per month and three to four document-based questions per year. A heavy emphasis is placed on analyzing and synthesizing information obtained from primary sources. Students enrolled in this course are expected to sit for the Advanced Placement U.S. History examination. Students completing AP U.S. History will be required to take the Citizenship Exam. Students must score a 60% or higher to graduate from high school.

US History 1877-Present

Course #719

Grades 11-12

1 credit

Prerequisites: Human Government, World Civilization, or AP Human, AP World History

This course is a continuation of Dual Credit United States History to 1877. This course is a survey of the religious, political, and cultural development of the people of the United States from Reconstruction through the present. This course must be taken with History of the US thru 1865-Dual Credit.

History of US thru 1865-Dual Credit

Course #HIS108WKCTCD

Grades 11-12

1 credit

Prerequisites: Strongly encouraged to meet ACT benchmarks and must have a 3.0 unweighted cumulative high school GPA

This course examines key political, economic, and social topics that have significantly influenced the American experience from the pre-colonial period through the Civil War era. This course must be taken with US History 1877-Present.

AP European History

Course #705

Grades 10-11-12

1 credit

Prerequisite: Human Government

This course will cover the period from 1450 to the present. AP European History will focus on understanding principles of European history thematically, analysis of historic evidence and interpretation of historic documents/events and expression of historical understanding in writing. Students will use a chronological approach to examine history and its impact on three interrelated categories: intellectual and cultural history, political and diplomatic history, and social and economic history. Students enrolled in this course are expected to sit for the Advanced Placement European History examination.

AP Psychology

Course #706

Grades 10-11-12

1 credit

Prerequisite: Have previously passed an AP/Honors course

This course in Psychology will introduce the systematic study of the behavior and mental processes of human beings and other animals. Included is a consideration of the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students also learn about the ethics and methods psychologists use in their science and practice. Students enrolled in this course are expected to sit for the Advanced Placement Psychology examination.

AP U.S. Government and Politics

Course # 707

Grades 10-11-12

1 credit

Prerequisite: none

AP U.S. Government and Politics is an introductory college-level course in U.S. government and politics. Students cultivate their understanding of U.S. government and politics through analysis of data and text-based sources as they explore topics like constitutionalism, liberty and order, civic participation in a representative democracy, competing policy-making interests, and methods of political analysis.

AP Macroeconomics

Course #708

Grades 10-11-12

1 credit

Prerequisite: Human Government

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

Sociology

Course #713

Grades 9-10-11-12

1 credit

Prerequisite: none

This course provides students with a chance to examine human social interaction and social organization. Sociology focuses on special topics such as groups, culture, socialization, deviance and inequalities in gender, social class, race and ethnicity. This class will explore these areas through sociological readings and engaging in discussing and simulation. Students will learn how to become more reflective of themselves, their community, and their society.

Intro to Psychology

Course #714

Grades 9-10-11-12

1 credit

Prerequisite: none

This course deals with emotional, behavioral and mental processes of people in society. Special emphasis includes: abnormal psychology (psychological disorders and treatments) and social psychology (people's perceptions of themselves and others, group behavior and interpersonal attraction). In addition, other topics covered include personality, learning, memory, and the brain. This course will provide an introduction to topics typically covered in an introductory level college psychology course. Students will learn how psychology applies to their lives by partaking in class discussions and group projects. Upon completion of this course students should have a better understanding of themselves and the wide variety of people around them.

African American Studies

Course #720

Grades 11-12

.5 credit

Prerequisite: Human Government, World Civilization, US History or currently enrolled in US history

An elective course that examines the history and culture of Africa and the African-American experience from 1865 to the present in an interdisciplinary format, including an analysis of the unique historical, cultural, and social developments from the Middle Passage to the present day. The course will address the political, artistic, literary and social contributions of African-Americans to American culture. Critical thinking skills, reading, writing, and oral presentation skills are emphasized within this course. **This is a .5 credit and must be taken with Kentucky Studies.**

Kentucky Studies

Course #721

Grades 11-12

.5 credit

Prerequisite: Human Government, World Civilization, US History or currently enrolled in US history

This is an elective course that sets to study the most impactful periods in Kentucky's growth and development from 1750 to the present. The course would focus on the social, economic, political, & cultural trends of the major regions of the state. Critical thinking skills, reading, writing, and oral presentation skills are emphasized within this course. **This is a .5 credit and must be taken with African American Studies.**

Western Civilizations

Course #722

Grades 11-12

1 credit

Prerequisite: Human Government, World Civilization, US History or currently enrolled in US history

Western Civilization is an upper level course that develops an understanding of the connectivity of Modern Western Society to its historical and cultural foundations. It is a study of Western Civilization from the Ancient Age through the present with a focus on the development of societies, ideas, politics, and people. The goal of this course is to give students an understanding of the cultural roots and the evolutionary progression of Western Thought.

AP Microeconomics

Course # 725

Grades 10-11-12

1 credit

Prerequisite: Human Government

AP Microeconomics is an introductory college-level microeconomics course. Students cultivate their understanding of the principles that apply to the functions of individual economic decision-makers by using principles and models to describe economic situations and predict and explain outcomes with graphs, charts, and data as they explore concepts like scarcity and markets; costs, benefits, and marginal analysis; production choices and behavior; and market inefficiency and public policy.

Special Interest Courses

Help Desk

Course #170

Grades 11-12

1 credit

Prerequisite: Application and teacher approval

This course is designed to introduce the student to the concepts of networking, computer support services, advanced web design, and career exploration while organizing a student-run Technology Help Desk. Coursework is designed to develop skills to repair student laptops and desktop computers. *This course could affect your class rank since students will receive a pass/fail grade.

Peer Tutoring

Course #900

Grades 11-12

1 credit

Prerequisite: 3.0 GPA and teacher approval

This course is for students interested in working with students with special needs. Students will assist special education teachers and will be expected to help deliver one on one instruction. *This course could affect your class rank since students will receive a pass/fail grade.

Leadership Development & Service Learning

Course #903

Grades 11-12

1 credit

Prerequisite: Application and teacher approval

This course involves service learning and leadership that engages students directly in structured, community and school-based activities to acquaint them with opportunities for service and assess community needs. It also integrates concepts from the classroom with community service allowing students to practice these concepts while developing an appreciation for service. Additionally, students will spend time examining and developing characteristics of leadership through text and personal development studies, group work, and class projects. A major component of the course is to complete 45 volunteer service hours by the end of the year. 10 hours must be completed outside of the school day.

Study Hall

Course #906

Grades 11-12

0 credit

Prerequisite: Enrollment in minimum of 2 AP courses and/or on-campus Dual Credit or enrolled in an online Dual Credit class, 3.5 GPA

This course is offered to give Honor students the opportunity to take a rigorous schedule and have the opportunity for extra support during the school day. Juniors are only allowed to have 1 Study Hall during a school year, regardless of the number of enrolled AP courses. Seniors enrolled in 2 AP courses are allowed 1 study hall per school year. Seniors enrolled in 3 or more AP courses are allowed 2 study halls per school year (1 study hall per semester). ***This course could affect your class rank since no credit is awarded.**

Teacher Aid

Course #907

Grade 12

1 credit

Prerequisite: 3.5 GPA and teacher approval

Students chosen for this course will be assigned to a specific teacher and will report to that teacher on a daily basis. Students may provide tutoring services, basic office and clerical services, copying services, and a variety of other services for the teachers. ***This course could affect your class rank since students will receive a pass/fail grade.**

Experienced Based Work

Course #913

Open to grades 11-12

Prerequisite: Area of employment or internship must be in a pathway not offered at MCHS

Work based experience provides an opportunity for students to work with a team consisting of a school advisor and potential employer to develop and improve on skills necessary to be successful in the workforce. The skills that are explored include job search, interviewing, job shadowing, communication skills, professionalism and working as a team. Career advising is an important element of this course and should take place in a real world context. The course may involve academic projects aligned to skills applied at the workplace.

College Readiness

Course #914

Grades 11-12 (9-10 with ACT scores)

1 credit

Prerequisite: None

This College Prep course will emphasize ACT test-taking strategies, specifically math skills, language skills, reading skills and science reasoning skills. Students will study and practice listening and note taking techniques, test taking strategies, questioning and thinking skills, information retrieval, pre-ACT test practice, memory technique, reading in the content areas, vocabulary development, and college application completion with the central goal to increase both subtest scores and composite scores. All four subtests will be reviewed: English, Math, Reading, and Science Reasoning. Students will be required to sit for the practice exams throughout the semester with real-time testing experiences.

Introduction to Teaching-Dual Credit

Course #EDU180 MSU

Grade 11-12

1 credit

Prerequisite: Students must meet admission requirements of an ACT composite of 18 or higher and a GPA of 3.0 or top half of their class

This course is taught in conjunction with Murray State University. Students will be introduced to the teaching career. Students will be introduced to factors that impact teaching as a profession and the historical, socio-cultural, psychological, and philosophical foundations of education. Students will understand the role of the teacher in the classroom, school, and community. Students will observe at the elementary, middle, and high school levels. Students will be required to attend one School Based Decision Making Meeting and one meeting of the Board of Education. Failure to attend either of these two meetings will result in loss of credit for the course.

Education Co-op-Dual Credit Placeholder

Course #1016

Grade 11-12

Prerequisite: Strongly encouraged to meet ACT benchmarks

This course is a placeholder for students who enroll in college courses not taught at MCHS.

Educational and Life Skills Resource Program

Grades 9-10-11-12

1 credit

Prerequisite: Individual Education Plan

This course is designed to meet the needs of students with moderate to severe cognitive and communication disorders. It is designed to meet the highly specialized and individual IEP needs in the areas of academic, communication, recreation, daily living skills and community training. The curriculum focuses on opportunities to pursue occupational and daily living goals. The course offers preparation for the world of work and on-the-job training with a job coach for in-school and field placements. Instructors use activities and assessments along with a unique high school curriculum and a transition program to teach these standards. Each unit consists of a social studies or science theme with reading, writing, and math embedded into the unit. Reading consists of reading passages orally by student or instructor with answering comprehension questions about the passage. Writing consists of journal writing, correct spelling, punctuation and capitalization. Math consists of addition, subtraction, word problems, money, time, and simple algebra and geometry. The course teaches skills that are necessary to be successful in life. Other skills taught are money, time management, cooking, job skills, and social skills.

World Language

Spanish I

Course #800

Grades 9-10-11-12

1 credit

Prerequisite: None

This course focuses on the introduction and development of the four basic language skills: listening comprehension, speaking, reading and writing. Students will also be introduced to the culture, customs, and traditions of the Spanish-speaking world. Students will begin to develop connections between the use of a second language and real world situations.

Spanish II

Course #801

Grades 9-10-11-12

1 credit

Prerequisite: Spanish I

This course helps students extend the ability to use the four basic language skills: listening comprehension, speaking, reading, and writing. Students will be introduced to many higher-level grammar concepts. Students will also enhance their knowledge of the culture, customs, and traditions of the Spanish-speaking world. A greater emphasis will be put on how the study of a second language can translate into future goals and employment opportunities.

Spanish III

Course #802

Grades 9-10-11-12

1 credit

Prerequisite: Spanish II

This course is an advanced class that focuses on the development of both grammar and communication skills. Students will read a variety of literary offerings and will participate in immersion activities meant to build proficiency in the four language skills: listening comprehension, speaking, reading and writing. Level III will also begin the necessary preparation for those students interested in taking the Advanced Placement courses and exams. If possible, since they are block classes only offered in the Fall (Spanish III) and Spring (Spanish IV), it is recommended that students sign up to take Spanish III/Spanish IV during the same year.

Spanish IV

Course #813

Grades 9-10-11-12

1 credit

Prerequisite: Spanish III

This course is an advanced class that focuses on the development of both grammar and communication skills. Students will read a variety of literary offerings and will participate in immersion activities meant to build proficiency in the four language skills: listening comprehension, speaking, reading and writing. Level IV will continue the necessary preparation for those students interested in taking the Advanced Placement courses and exams. If possible, since they are block classes only offered in the Fall (Spanish III) and Spring (Spanish IV), it is recommended that students sign up to take Spanish III/Spanish IV during the same year.

AP Spanish Language and Culture

Course #804

Grades 10-11-12

1 credit

Prerequisite: Spanish IV credit or teacher approval

The AP Spanish Language course is equivalent to a college survey course of Hispanic Culture and the Spanish Language and prepares the students for the Advanced Placement Spanish Language and Culture Exam. AP Spanish Language continues the development of the four basic skills in foreign language study: listening comprehension, speaking, reading and writing. Also emphasized are the culture, customs and traditions of the Spanish-speaking world. Students will read a variety of offerings from Spanish literature. All readings, written assignments and discussions are in Spanish. Students enrolled in this course are encouraged to sit for the Advanced Placement Spanish Language and Culture examination.

AP Spanish Literature and Culture

Course #814

Grades 11-12

1 credit

Prerequisite: AP Spanish Language and Culture

The AP Spanish Literature course is equivalent to a college survey course of Hispanic and Spanish Literature and prepares the students for the Advanced Placement Spanish Literature Exam. All readings, written assignments and discussions are in Spanish. The course centers on the understanding, analysis and appreciation of literary texts and includes poetry, prose and drama from various countries and periods of Spanish literature. The reading list, which is text- selected by the AP Board, encompasses Hispanic literature from the Medieval and Golden Age through the Twentieth Century. Students enrolled in this course are encouraged to sit for the Advanced Placement Spanish Literature and Culture examination.

Spanish Independent Study

Course #817

Grades 11-12

1 Credit

Prerequisite: AP Spanish and teacher approval

This course offers students the opportunity to continue foreign language study and to prepare for Spanish at the college level. Independent Study continues the development of the four basic skills in foreign language study: listening comprehension, reading, speaking, writing as well as the culture, customs and traditions of the Spanish speaking world. The course will be project based with a teacher-guided curriculum.

French I

Course #805

Grades 9-10-11-12

1 credit

Prerequisite: None/must have a solid grasp of English grammar skills and reading for success.

This course focuses on the introduction and development of the four basic language skills: listening comprehension, speaking, reading and writing. Students will also be introduced to the culture, customs, and traditions of the French-speaking world. Students will begin to develop connections between the use of a second language and real world situations.

French II

Course #806

Grades 10-11-12

1 credit

Prerequisite: French I

This course helps students extend the ability to use the four basic language skills: listening comprehension, speaking, reading and writing. Students will be introduced to many higher-level grammar concepts. Students will also enhance their knowledge of the culture, customs, and traditions of the French-speaking world. A greater emphasis will be put on how the study of a second language can translate into future goals and employment opportunities.

French III

Course #807

Grades 11-12

1 credit

Prerequisite: French II

This course is an advanced class that focuses on the development of both grammar and communication skills. Students will use authentic materials and participate in immersion activities meant to build proficiency in the four language skills: listening comprehension, speaking, reading, and writing. Level III will also begin the necessary preparation for those students interested in taking the Advanced Placement class and exam.

AP French Language and Culture

Course #808

Grades 11-12

1 credit

Prerequisite: French III

This course offers students the opportunity to continue foreign language study and to prepare for the AP

French Language Exam. AP French continues the development of the four basic skills in foreign language study: listening comprehension, reading, speaking, writing as well as the culture, customs and traditions of the French speaking world. Students will focus on current events and culture with some traditional French literature and history. Students enrolled in this course are encouraged to sit for the Advanced Placement French Language examination.

French Independent Study

Course #815

Grade 12

1 credit

Prerequisite: AP French and teacher approval

This course offers students the opportunity to continue foreign language study and to prepare for French at the college level. Independent Study continues the development of the four basic skills in foreign language study: listening comprehension, reading, speaking, writing as well as the culture, customs and traditions of the French speaking world. The course will be project based with a teacher-guided curriculum.

German I

Course #809

Grades 9-10-11-12

1 credit

Prerequisite: None/must have solid grasp of English grammar skills and reading for success

This course focuses on the introduction and development of the four basic language skills: listening comprehension, speaking, reading and writing. Students will also be introduced to the culture, customs, and traditions of the German-speaking world. Students will begin to develop connections between the use of a second language and real world situations.

German II

Course #810

Grades 10-11-12

1 credit

Prerequisite: German I

This course helps students extend the ability to use the four basic language skills: listening comprehension, speaking, reading and writing. Students will be introduced to many higher-level grammar concepts. Students will also enhance their knowledge of the culture, customs, and traditions of the German-speaking world. A greater emphasis will be put on how the study of a second language can translate into future goals and employment opportunities.

German III

Course #811

Grades 11-12

1 credit

Prerequisite: German II

This course focuses on the development of both grammar and communication skills. Students will read a variety of literary offerings and will participate in immersion activities meant to build proficiency in the four language skills: listening comprehension, speaking, reading, and writing. Level III will also begin the necessary preparation for those students interested in taking the Advanced Placement class and exam.

AP German Language and Culture

Course #812

Grades 11-12

1 credit

Prerequisite: German III

This course offers students the opportunity to continue foreign language study and to prepare for the AP German Language Exam. AP German focuses on listening, reading, writing, and speaking the language and follows the curriculum established by the College Board. The curriculum focus is on global topics. Students enrolled in this course are encouraged to sit for the Advanced Placement German Language examination.

German Independent Study

Course #816

Grade 12

1 credit

Prerequisite: AP German and teacher approval

This course offers students the opportunity to continue foreign language study and to prepare for German at the college level. Independent Study continues the development of the four basic skills in foreign language study: listening comprehension, reading, speaking, writing as well as the culture, customs and traditions of the German speaking world. The course will be project based with a teacher-guided curriculum.

Paducah Area Technology Courses

Kentucky Tech - Paducah Area Technology Center (ATC) is located at 2400 Adams Street, Paducah, and is one of 54 KY Tech Area Tech Centers located across the state in the Office of Career and Technical Education. The primary purpose of the ATC is to provide technical training to secondary students from surrounding high schools.

All courses at KY Tech--Paducah are KENTUCKY TECH courses and most will lead toward certification. All courses provide marketable entry-level skills in the program's area of study. The high school courses listed below often include multiple KY Tech courses. The individual KY Tech courses are listed under the generic name of the high school course. College credit for most of these KY Tech courses may be obtained at no cost to students through West Kentucky Community and Technical College and other colleges and universities. **There is one course option available to freshmen and the remaining courses are available to sophomores, juniors and seniors** on track to graduate from McCracken County High School.

Career Options Level 1

Course #199

Grade 9

Career Options Level 1 is an introductory course to the Career Pathways offered at the Paducah Innovation Hub. Students will rotate through Welding, Carpentry, Automotive Repair, and Collision Repair.

Auto Maintenance

Auto Maintenance & Light Repair Sections A-D

Course #45470507/45470509/45740513

Grades 10-11-12

These courses introduce the student to the principles, theories, and concepts of Automotive Technology, and include instruction in the maintenance and light repair of Engines, Brake Systems, Electrical/Electronic Systems, Suspension and Steering Systems, Automatic and Manual Transmission/Transaxles, and Engine Performance Systems.

Courses A, B, C and D can be completed in any sequence.

AM & Light Repair Special Problems I-IV

Course #45470577/45470578/45470579/45740584

Grades 11-12

Prerequisite: Completion of the Automotive Maintenance and Light Repair Courses/Sections A, B, C and D and consent of instructor

These courses are designed to enhance a student's understanding of shop situations and problems that arise when dealing with live work. It expands on the task lists that have already been taught to the student in **previous** auto courses. The instructor will teach students how to deal with real world problems that arise when repairing automobiles subjected to various types of customer road use.

Collision Repair

Painting and Refinishing I, II, III

Course #45470639/45470640/45470645

Grades 10-11-12

These courses provide instruction in the use of lacquer, acrylic enamel and base coat/clear coat refinishing products, masking procedures, preparations and paint problems. It will be taught by demonstration and lecture. The skills required are most effectively taught and practiced on live work. Due to the unpredictable nature of live work, some tasks may carry over to other courses.

Introduction to Collision Repair

Course #45470631

Grades 10-11-12

This course introduces the student to safety, sanding, grinding, pulling, roughing and filling; the use of tools and equipment; and preparing and priming automotive panels through lectures and demonstrations.

This class is paired with 4570628 Damage Analysis.

Damage Analysis, Estimating & Customer Service

Course #45470628

Grades 10-11-12

This course will show students how to perform damage analysis, estimating and providing quality customer service. Safety requirements must be strictly enforced with wearing clothing and the use of gloves, respiratory protection, eye protection, hand tools, power equipment, proper ventilation, and the handling, storage, and disposal of chemicals/materials in accordance with local, state, and federal safety and environmental regulations. **This class is paired with 45470631 Introduction to Collision Repair.**

Non-Structural Damage I, II, III

Course #45470633/45470644/45470649

Grades 10-11-12

These courses give instruction and provides practical experience in replacing and aligning bolts on automotive parts such as doors, hoods, and fenders; as well as instruction on the repair and replacement of non-structural weld-on automotive panels by aligning, welding, cutting, and drilling through demonstrations and lectures. It will be taught by demonstration and hands-on practice. The skills required are most effectively taught and practiced on live work.

Special Projects I, II, and III

Course #45470677/45470678/45470679

Grades 11-12

Prerequisite: Consent of instructor

These courses are designed to help students satisfactorily complete collision repair tasks or to enhance their skills in the occupational area.

Construction Carpentry

Introduction to Construction

Course #45460201

Grades 10-11-12

This course is the introduction to the construction carpentry industry. The class will emphasize safe and proper methods of operation using hand tools, portable power tools, and stationary power tools in the construction industry.

Ceiling and Roof Framing

Course #45460213

Grades 10-11-12

This course covers roof types and combinations of roof types used in the construction industry. The emphasis of this course is on layout, cutting and installing ceiling joists, rafters, roof sheathing, and roof coverings for both commercial and residential construction.

Floor and Wall Framing

Course #45460212

Grades 10-11-12

This course will have the student practice floor framing, layout, and construction of floor frames. Cutting and installing floor and wall framing members according to plans and specifications will also be practiced.

Site Layout and Foundations

Course #45460214

Grades 10-11-12

This course will have the students prepare materials, calculate the cost for a building site, and layout a site with a transit, locating property lines and corners. Students calculate the amount of concrete needed for footing and foundation walls and construct different types of foundations and forms.

Special Topics

Course #45460298

Grades 11-12

Prerequisite: Consent of instructor

This course is designed for students to satisfactorily complete construction carpentry tasks or to enhance their skills in the occupational area.

Welding

Blueprint Reading for Welding

Course #45480505

Grades 10-11-12

This course provides a study of occupationally specific prints for welders. Advanced study of multi-view drawing, assembly drawings, datum dimensions, numerical control drawings, sheet metal prints, castings and forgings, instrumentation and control dimensioning and tolerance and use of reference materials and books are included. Occupational specifics including welding drawings, symbols, joint types, grooves, pipe welding symbols, testing symbols, and specifications interpretations are stressed.

Shielded Metal Arc Welding (SMAW)

Course #45480521

Grades 10-11-12

This course is designed for students to learn the identification, inspection, and maintenance of SMAW electrodes; principles of SMAW; the effects of variables on the SMAW process to weld plate and pipe; and metallurgy.

Special Problems

Course #445480595

Grades 11-12

Prerequisite: Consent of instructor

This course is designed for students to satisfactorily complete welding tasks or to enhance their skills in the occupational area.

Cutting Processes

Course #45480501

Grades 10-11-12

This course is for students to obtain a working knowledge of various cutting processes used by the welding industry. Skills will include, but are not limited to: safety, theory of operation, setup and operating terms and definitions, identifications, evaluation, repair and prevention of discontinuities of cut surfaces. Also included are oxo-fuel cutting, plasma arc cutting, exothermic cutting, air carbon arc cutting, shielded/ metal arc cutting and mechanical cutting processes.

Gas Metal Arc Welding

Course #45480522

Grades 10-11-12

This course covers identification, inspection and maintenance of GMAW machines, identification, selection and storage of GMAW electrodes; principles of GMAW; and the effects of variables on the

GMAW process. Both ferrous and non-ferrous metals will be covered, as well as various joint designs on plate in all positions.

Quick Reference Guide

Course Number	Name	Pre-requisites	Grades	Pathway
AGRICULTURE				
124	Agriculture Construction Skills	Prin of Ag	10-11-12	Ag Power
122	Agriculture Co-op	Must be 4th course in ag pathway	11-12	Animal Science, Ag Power, Environmental Science, Horticulture
123	Agriculture Co-op 2	Must be 4th course in ag pathway	12	Animal Science, Ag Power, Environmental Science, Horticulture
149	Agriculture Education Internship	Must be 4th course in ag pathway	12	Animal Science, Ag Power, Environmental Science, Horticulture
110	Agriculture Math	Prin of Ag and 1 other ag course	12	
147	Agriculture Power & Machine	Prin of Ag & Small Power	10-11-12	Ag Power
148	Agriculture Structures and Design	Prin of Ag & Ag Construction	11-12	Ag Power
126	Animal Science	Prin of Ag	10-11-12	Animal Science
118	Equine Science	Prin of Ag & Animal Science	10-11-12	Animal Science
112	Floral Design	Prin of Ag, Intro GH/Cop Prod, GH I	11-12	Horticulture
113	Greenhouse Technology I	Prin of Ag & Intro GH/Crop Prod	11-12	Horticulture, Environment Science
114	Greenhouse Technology II	Prin of Ag, Intro GH/CP, GH I & approval	12	
129	Intro to Greenhouse & Crop Production	Prin of Ag	10-11-12	Horticulture, Environmental Science
146	Principles of Agriculture	None	9-10	Animal Science, Ag Power, Environmental Science, Horticulture
128	Small Animal Science	Prin of Ag & Animal Science	10-11-12	Animal Science
120	Small Power Equipment	Prin of Ag & Ag Construction	10-11-12	Ag Power
117	Veterinary Science	Prin of Ag & Animal Science	11-12	Animal Science
144	Wildlife and Forestry	Prin of Ag	10-11-12	Environmental Science
BUSINESS				
134	Accounting & Finance Foundations	Digital Literacy or Bus & Marketing Essent.	10-11-12	Accounting, Admin Support

187	Advanced Accounting	Accounting & Finance Foundations	11-12	Accounting, Admin Support
141	Business Education Co-op	Must be 4th course in Business pathway	11-12	E-Commerce, Accounting, Admin Support
142	Business Education Co-op 2	Must be 4th course in Business pathway	12	E-Commerce, Accounting, Admin Support
188	Business & Marketing Essentials	None	9-10-11	E-Commerce, Accounting, Admin Support
132	Digital Literacy	None	9-10-11-12	E-Commerce, Accounting, Admin Support, Network Security
190	Principles of Entrepreneurship	Digital Literacy or Bus & Marketing Essent.	11-12	E-Commerce
189	Personal Finance	None	10-11-12	Admin Support
167	Microsoft Office Specialist	B or higher in Digital Literacy	11-12	E-Commerce, Accounting, Admin Support
138	Multimedia Publishing	Digital Literacy or Web Design	10-11-12	E-Commerce, Admin Support
136	Marketing Principles	Digital Literacy or Bus & Marketing Essent.	9-10-11-12	E-Commerce, Accounting, Admin Support
179	Web Page Design	Digital Literacy	10-11-12	E-Commerce
191	Sports and Event Marketing	Digital Literacy or Bus & Marketing Essent.	10-11-12	
CINEMATOGRAPHY & VIDEO PRODUCTION				
235	Advanced Studio Production	Intro to MA or VS AND SD	11-12	Cinematography & Video Production
234	Digital Imaging	None (no first year seniors)	10-11-12	Cinematography & Video Production
910	Introduction to Media Arts	none	9-10-11	Cinematography & Video Production
218	Studio Directing and Performance	Intro to Media Arts and/or Video Studio	10-11-12	Cinematography & Video Production
217	Video Studio Fundamentals	None	9-10-11	Cinematography & Video Production
COMPUTER SCIENCE				
175	Computer Hardware and Software	Digital Literacy	10-11-12	Network Security
230	Introduction to Networking Concepts	None	9-10-11-12	Network Security
232	IT Co-op	Must be 4th course in pathway	11-12	Network Security
233	IT Internship	Must be 4th course in pathway	11-12	Network Security

231	Security Fundamentals	None	10-11-12	Network Security
179	Web Page Development	Website Design and Production	10-11-12	
177	Web Site Design and Production	None	9-10-11-12	
ENGINEERING				
660	Engineering I	None	9-10-11-12	Electrical Engineering, Mechanical Engineering
661	Engineering II	Engineering I	10-11-12	Electrical Engineering, Mechanical Engineering
662	Electrical Engineering	Engineering I & II	10-11-12	Electrical Engineering, Mechanical Engineering
663	Engineering Capstone	Engineering I & II	11-12	Electrical Engineering, Mechanical Engineering
664	Robotics Engineering	Engineering I & II	10-11-12	Mechanical Engineering
FAMILY AND CONSUMER SCIENCE				
153	Child Development Services I	Early Lifespan and transportation	11-12	Early Childhood
159	Child Development Services II	Child Dev Services I & transportation	12	Early Childhood
185	Culinary Co-op	Must be 4th course in Culinary & Food Path	11-12	Culinary & Food Services
156	Culinary I	Foods and Nutrition	10-11-12	Culinary & Food Services
157	Culinary II	Foods and Nutrition & Culinary I	11-12	Culinary & Food Services
184	Culinary Internship	Must be 4th course in Culinary & Food Path	11-12	Culinary & Food Services
186	Early Childhood Co-op	Must be 4th course in Early Childhood Path	11-12	Early Childhood
152	Early Lifespan Development	FACS Essentials or Rel/Parenting	10-11-12	Early Childhood, Fundamentals of Teaching
150	FACS Essentials	None	9-10	Consumer & Family Mgt, Early Childhood, Culinary, Teaching
166	FACS Leaders at Work	None	11-12	Fundamentals of Teaching
163	Foods and Nutrition	None	10-11-12	Culinary & Food Services, Consumer & Family Mgt
164	Advanced Foods	Foods and Nutrition	10-11-12	Culinary & Food Services
168	Fundamentals of Teaching Co-op	Must be 4th course in Teaching Path	11-12	Fundamentals of Teaching
169	Fundamentals of Teaching Internship	Must be 4th course in Teaching Path	11-12	Fundamentals of Teaching
162	Middle to Late	None	10-11-12	Fundamentals of Teaching

	Lifespan Development			
165	Money Skills	None	10-11-12	Consumer & Family Mgt
161	Parenting	None-Must be taken with Relationships	10-11-12	Consumer & Family Mgt, Early Childhood
151	Relationships	None-Must be taken with Parenting	10-11-12	Consumer & Family Mgt, Early Childhood, Teaching
FINE ARTS				
343	Advance Drawing and Painting	Art I & Drawing and Painting	11-12	
345	Advanced Jewelry and Metalsmith	Art I & Jewelry and Metal	11-12	
344	Advanced Sculpture and Ceramics	Art I & Sculpture & Ceramics	11-12	
305	AP Studio Art	Art I and at least 1 advanced art class	11-12	
300	Art	None	9-10-11-12	
301	Art II	Art I	10-11-12	
306	Art Independent Study	D&P or Sculpture & Ceramics or J&M	11-12	
659	Digital Media Design	None	9-10-11-12	
302	Drawing and Painting	Art I	10-11-12	
361	Introduction to Pottery	Art I	10-11-12	
304	Jewelry and Metalsmithing	Art I	10-11-12	
303	Sculpture and Ceramics	Art I	10-11-12	
667	Digital Media Design II	Digital Media	10-11-12	
DANCE				
347	Advanced Dance	Teacher Approval	9-10-11-12	
310	Dance I	None	9-10-11-12	
346	Dance II	Dance I	10-11-12	
353	Dance III	Dance I and Dance II	11-12	
DRAMA				
340	Drama I	None	9-10-11-12	
341	Drama II	Drama I	10-11-12	
350	Drama III	Drama I, Drama II and audition	11-12	
323	Musical Theatre	1 year of vocal ensemble or Drama I	10-11-12	
364	Theatre Design and Technology	none	9-10-11-12	

MUSIC				
328	Advanced Guitar	Beginning Guitar or teacher approval	10-11-12	
355	Advanced Piano	Minimum of 2 years piano study or approval	9-10-11-12	
324	AP Music Theory	1 year in performance ensemble	12	
327	Beginning Guitar	None	9-10-11-12	
332	Concert Band	Middle School Band 6-8 or approval	9-10-11-12	
354	Concert Choir	Crimson Chorus or Mustang Chorus	10-11-12	9th grade by audition
360	Crimson Chorus-Treble	None	9-10-11-12	
326	Introduction to Music	None	11-12	
357	Jazz Theory and Improvisation	Instructor Approval	9-10-11-12	
358	Music Theory	MCHS Music Class or approval	10-11-12	
359	Mustang Chorus-Bass	None	9-10-11-12	
363	Small Ensemble-Colorguard	Audition	9-10-11-12	
-----	Mustang Marching Band	None--All After School Time Required	9-10-11-12	Outside of school performance are required--NO CREDIT
329	Orchestra	Audition	9-10-11-12	
351	Percussion Ensemble	Audition	9-10-11-12	
349	Piano	None	9-10-11-12	
331	Symphonic Band	None	10-11-12	9th grade need 1 year in Concert Band or approval
322	Varsity Singers	Instructor Approval	10-11-12	
336	Voice Studio Ensemble	Instructor Approval	10-11-12	
330	Wind Ensemble	Audition	9-10-11-12	
HEALTH SCIENCES				
617	Biomedical Innovation	PBS, HBS, MI	12	Biomedical Science
615	Human Body Systems	PBS	10-11	Biomedical Science
616	Medical Intervention	Biomed & HBS	11-12	Biomedical Science
614	Principles of Biomed	none	9-10	Biomedical Science
656	Allied Health Core Skills	Prin of Health Sci, Emer Proc/Med Term, Application, Approval; taken w/ 637	11-12	Allied Health, Dental Assisting, Phlebotomy
658	Dental Assisting	Must be 4th course in	11-12	Dental Assisting

	Internship	pathway		
626	Emergency Procedures	Principles of Health Sci; taken w/ 632	9-10-11-12	Allied Health, Pre-Nursing, Dental Assisting, Phlebotomy, Clinical Medical Assisting, Admin Support
621	Essentials of Sports Medicine	Prin of Health Sci or Emer Proc/Med Term	11-12	Allied Health
637	Leadership Dynamics	Prin of Health Sci or Emer Proc/Med, Application, Approval; taken w/ 656	11-12	Allied Health, Dental Assisting, Phlebotomy
619 / NAA10 0 WKCTC D	Medicaid Nurse Aide-DC	Prin of Health Sci or Emer Proc/Med Term	11-12	Pre-Nursing
636	Medical Administrative Assistant Internship	Prin of Health Sci, Emer Proc/Med, Application, Approva	12	Phlebotomy
638	Medical Assisting Clinical Procedures	Prin of Health Sci or Emer Proc/Med	12	Clinical Medical Assisting
634	Medical Lab Aide	Prin of Health Sci, Emer Proc/Med Term	11-12	Phlebotomy
665	Medical Math	Principles of Health Sci	10-11-12	Allied Health, Clinical Medical Assisting, Dental Assisting, Phlebotomy, Pre-Nursing
632	Medical Terminology	Principles of Health Sci; taken w/ 626	9-10-11-12	Allied Health, Pre-Nursing, Dental Assisting, Phlebotomy, Clinical Medical Assisting, Admin Support
657	Nursing Co-op	Prin of Health Sci or Emer Proc/Med Term, MNA	11-12	Pre-Nursing ***Must have MNA Certification***
624	Principles of Health Science	None	9-10-11	Allied Health, Pre-Nursing, Dental Assisting, Phlebotomy, Clinical Medical Assisting
LANGUAGE ARTS				
200	English I	None	9	
201	Honors English I	None	9	
203	English II	English I or Honors I	10	English II EOC required
204	Honors English II	Honors English I or English I	10	English II EOC required
205	English III	English I & II or Honors I & II	11	
605	Honors English III	English I & II or Honors I & II	11	

206	AP Language	English I & II or Honors I & II	11-12	
207	English IV	English I, II, III or Honors I, II, III	12	
705	Honors English IV	English I, II, III or Honors I, II, III	12	
208	AP Literature	English I, II, or Honors I, II	11-12	
228	AP Research	AP Seminar	11-12	
227	AP Seminar	English I or Honors I	10	**Must take with Honors English II
211	Basic Public Speaking	English I	10-11-12	
213	Creative Writing	Intro to Creative Writing and Poetry	10-11-12	
212	Debate	English I	10-11-12	
223	Intro to Creative Writing & Poetry	None	9-10-11-12	
912	Introduction to Journalism	None	9-10-11	
215	Newspaper Production	Intro to Journalism and/or Application	10-11-12	
216	Yearbook Production	Intro to Journalism and/or Application	10-11-12	
225	The Bible and its Influence	English I	10-11-12	
ENG101 WKCTC D	Writing I- DC	Strongly encouraged to meet ACT Benchmarks, 3.0 UW Cumulative HS GPA	11-12	**Must take with ENG 102, strongly encouraged to meet ACT Benchmarks, 3.0 UW Cumulative HS GPA
ENG102 WKCTC D	Writing II-DC	Strongly encouraged to meet ACT Benchmarks, 3.0 UW Cumulative HS GPA	11-12	**Must take with ENG 101, strongly encouraged to meet ACT Benchmarks, 3.0 UW Cumulative HS GPA
ENG102 WKCTC D	Writing II-DC	**Strongly encouraged to meet ACT Benchmarks, 3.0 UW Cumulative HS GPA, must have taken ENG101 or Passed AP Lang or Lit exam with a 3 or better	12	**Strongly encouraged to meet ACT Benchmarks, 3.0 UW Cumulative HS GPA, must have taken ENG101 or Passed AP Lang or Lit exam with a 3 or better
909	Senior Studies	Seniors completing pre-college curriculum	12	
224	Fairytales, Mythology, and Folklore	none	9-10-11-12	

LAW ENFORCEMENT SERVICES				
716	Criminal Investigation	None	10-11-12	Law Enforcement Services
724	Critical Infrastructure Protection	Intro to Criminal Justice, Law Enforcement; taken w/ 723	10-11-12	Law Enforcement Services
717	Introduction to Criminal Justice	None	9-10-11	Law Enforcement Services
718	Introduction to Homeland Security	Intro to Criminal Justice, Law Enforcement	11-12	Law Enforcement Services
715	Law Enforcement	None	9-10-11	Law Enforcement Services
723	Terrorism & Counterterrorism Operations	Intro to Criminal Justice, Law Enforcement; taken with 724	10-11-12	Law Enforcement Services
MATHEMATICS				
400	Algebra I	None	9	
402	Honors Algebra I	Teacher recommendation	9	
403	Geometry	Algebra I	9-10	
404	Honors Geometry	Honors Algebra I	9-10	
405	Algebra II	Algebra I & Geometry	10-11	Algebra II EOC required
406	Honors Algebra II	Honors Algebra I, Honors Geometry or teacher rec	10-11	Algebra II EOC required
407	Algebra III	Alg I & II, Geom, ACT Math subscore 19-21	11-12	
408	College Prep Math	Alg I & II, Geom, ACT Math 18 & below	11-12	
409	Pre-Calculus	Soph & Juniors: Honors Alg I & II, Honors Geom Seniors: Honors Alg I & II, Honors Geom, ACT Math of 22+	10-11-12	
410	AP Calculus AB	Pre-Cal	11-12	
412	AP Calculus BC	Pre-Cal	11-12	**2 credits, takes 2 blocks both semesters
411	AP Statistics	Honors Alg II	10-11-12	
181	AP Computer Science	Honors Alg II	10-11-12	**NOT a math credit
415	Intro to Statistics	Honors Alg II	10-11-12	
MAT150	College Algebra-DC	Strongly encouraged to	11-12	Strongly encouraged to meet ACT

WKCTC D		meet ACT Benchmarks, 3.0 UW Cumulative HS GPA		Benchmarks, 3.0 UW Cumulative HS GPA
MAT155	Intro to Trigonometry-DC	Strongly encouraged to meet ACT benchmarks, 3.0 UW cumulative HS GPA	11-12	Strongly encouraged to meet ACT Benchmarks, 3.0 UW Cumulative HS GPA
416	High School Mathematics Interventions	none	9	**NOT a math credit
PHYSICAL EDUCATION				
500	Health	none-taken w/ 500	9-10-11-12	
501	PE	none--taken w/ 501	9-10-11-12	
504	Men's Advanced Strength & Conditioning	Health and PE & MUST play a sport	9-10-11-12	men's golf, tennis, swimming, cross country, track, COED cheer
503	Strength & Conditioning	Health and PE	10-11-12	
505	Women's Advanced Strength & Conditioning	Health and PE & MUST play a sport	9-10-11-12	women's golf, tennis, swimming, cross country, track, wrestling, cheer, softball
507	Varsity Football S&C	member of V football	10-11-12	
508	Freshman Football S&C	member of Freshman football	9	
509	Baseball S&C	member of baseball team	9-10-11-12	
510	Basketball S&C	boy's basketball team	9-10-11-12	
511	Soccer S&C	boy's soccer team	9-10-11-12	
512	Wrestling S&C	wrestling team	9-10-11-12	
513	Volleyball S&C	volleyball team	9-10-11-12	
514	Women's Advanced Soccer S&C	girl's soccer team	9-10-11-12	
515	Women's Advanced S&C Basketball	girl's basketball team	9-10-11-12	
516	Co-Ed Advanced S&C	Co-ed cheer team	9-10-11-12	
517	Women's Advanced Softball S&C	girl's softball team	9-10-11-12	
518	Intro to Weightlifting	Health and PE	10-11-12	
519	Advanced PE	Health and PE	10-11-12	
SCIENCE				
600	Integrated Science I	None	9	
601	Biology	Integrated Science I	10	Biology EOC required

602	Honors Biology	None	9	Biology EOC required
603	Integrated Science II	Integrated I & Biology	11	
604	Chemistry	Honors Biology	10	
633	Intro to Physics	Chemistry, Algebra I	11	
605	Physics	Chemistry, Algebra II	11	
606	AP Biology	Honors Biology, Chemistry	11-12	
607	AP Chemistry	Honors Biology, Chemistry, Algebra II	11-12	
608	AP Environmental Science	Honors Biology, Chemistry	11-12	
631	AP Physics I	Physics, Chemistry, Pre-Calculus	12	
635	Advanced Anatomy and Physiology	Anatomy and Physiology	12	
612	Anatomy and Physiology	Honors Biology, Chemistry	11-12	Allied Health, Dental Assisting, Phlebotomy, Pre-Nursing
611	Forensic Science	Biology and Int Sci II or Chemistry	11-12	
613	Human Ecology	Biology and Int Sci II or Chemistry	11-12	
CHE170	Chemistry 170-DC	Math ACT score of 22, College Algebra with a C or better	11-12	Taken with Chemistry 175
CHE175	Chemistry 175-DC	enrolled in CHE 170	11-12	Taken with Chemistry 170
CHE180	Chemistry 180-DC	CHE 170 with a C or better	12	Taken with Chemistry 185
CHE185	Chemistry 185-DC	CHE 175 with a C or better	12	Taken with Chemistry 180
SOCIAL STUDIES				
703	Human Government	None	9	
701	U.S. History	Human, World	11	Citizenship Exam required
702	World Civilizations	Human	10	
703	APUSH	AP Human, AP World	11	
704	AP World History Modern	AP Human	10	
709	AP Human	None	9	
705	AP European History	Human or AP Human	10-11-12	
706	AP Psychology	Passed an AP/Honors course	10-11-12	
707	AP U.S. Government	none	10-11-12	

708	AP Macroeconomics	Human or AP Human	10-11-12	
719	US History 1877-Present	Human, World or APs; taken w/ DC US history	11-12	Taken with HIS 108
HIS108 WKCT CD	History of US thru 1865-DC	Strongly encouraged to meet ACT Benchmarks, 3.0 UW Cumulative HS GPA	11-12	**Must take with 719; strongly encouraged to meet ACT Benchmarks, 3.0 UW Cumulative HS GPA
713	Sociology	None	9-10-11-12	
714	Introduction to Psychology	None	9-10-11-12	
720	African-American Studies	Human, World, US or enrolled in US or APs; taken w/ 721	11-12	
721	Kentucky Studies	Human, World, US or enrolled in US or APs; taken w/ 720	11-12	
722	Western Civilizations	Human, World, US or enrolled in US or APs	11-12	
725	AP Microeconomics	none	10-11-12	
SPECIAL INTEREST COURSES				
199	Career Options Level I	None	9	Paducah ATC exploration class
914	College Readiness	None	11-12	9-10 can take if ACT scores are available
1016	Education Co-op	Strongly encouraged to meet ACT Benchmarks, 3.0 UW Cumulative HS GPA	11-12	Strongly encouraged to meet ACT Benchmarks, 3.0 UW Cumulative HS GPA English: 18, Reading: 20, Math: 22
913	Experienced Based Work	Employment/Internship not offered in a MCHS Pathway	11-12	Juniors only 6th period; Seniors can earn up to 4 credits
170	Help Desk	Application and teacher approval	11-12	Pass/Fail could affect Class Rank
EDU18 0 MSU	Intro to Teaching-DC	ACT composite of 18+ or GPA of 3.0 or top ½ of class	11-12	
903	Leadership Development & Service Learning	Application and teacher approval	11-12	10 volunteer hours obtained outside of school hours
900	Peer Tutor	3.0 GPA and teacher approval	11-12	Pass/Fail could affect Class Rank
906	Study Hall	3.5 GPA and enrolled in 2 or more AP/DC	11-12	NO CREDIT; Could affect Class Rank
907	Teacher Aid	3.5 GPA and teacher approval	12	Pass/Fail could affect Class Rank

WORLD LANGUAGES				
800	Spanish I	None	9-10-11-12	
801	Spanish II	Spanish I	9-10-11-12	
802	Spanish III	Spanish I & II	9-10-11-12	
813	Spanish IV	Spanish I, II & III	9-10-11-12	
805	French I	None	9-10-11-12	
806	French II	French I	10-11-12	
807	French III	French I & II	11-12	
809	German I	None	9-10-11-12	
810	German II	German I	10-11-12	
811	German III	German I & II	11-12	
808	AP French Language	French III	11-12	
812	AP German Language	German III	11-12	
804	AP Spanish Language	Spanish IV	10-11-12	
814	AP Spanish Literature	AP Spanish Language	11-12	
817	Spanish Independent Study	AP Spanish and teacher approval	12	
815	French Independent Study	AP French and teacher approval	12	
816	German Independent Study	AP German and teacher approval	12	
RESOURCE MATH				
9934	CCR (Resource)	SPED IEP	9-10-11-12	
9905	Resource Algebra I	SPED IEP	9-10	
9906	Resource Geometry	SPED IEP	10-11	
9907	Resource Algebra II	SPED IEP	11-12	