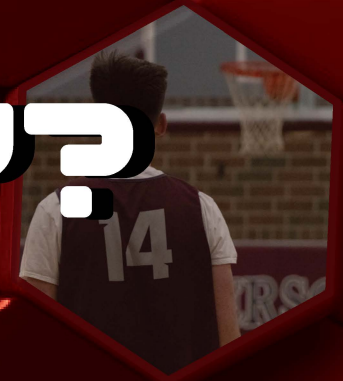


WHAT'S

Your

PATHWAY?

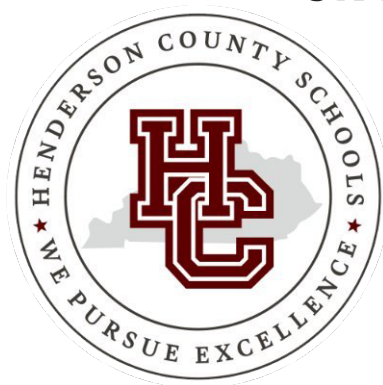
2023-2024 Academic Year



Henderson County High School *and* Career and Technical Education

CREATING PATHWAYS to SUCCESS

Course Offerings
and Descriptions
2023-2024



Equal Educational and Employment Institution



Dear Fellow Colonel,

As part of the Henderson County School district's commitment to "Building A Better Graduate," Henderson County High School students are challenged and supported to learn to communicate effectively, become critical thinkers, and collaborate with peers and others to solve problems. You will be expected to demonstrate initiative and innovative thinking throughout your four years at HCHS. Our staff is committed to helping you develop the skills you will need to succeed after high school, whether you plan to seek a degree, a professional license, or enter the workforce. Our courses and curriculum are designed to help you develop the world-class skills you'll need to succeed after high school.

It is never too early to begin looking at career interests and possibilities. Once you recognize your interests and talents, HCHS will give you the opportunity to develop a strong foundation for a successful future, no matter what path you take after high school. Once you've determined a path for your future, it is important you know the sequence of classes necessary to meet your goals. Talk with your parents, upper-classmen, your teachers, and especially your school counselor to ensure you're scheduling the right classes.

Several high school and many of the Career and Technical Education (CTE) classes give you an opportunity to earn dual credit (both high school and college credit). Advanced Placement® (AP) courses, college-level courses taken in high school that give you a chance to earn college credits, are offered in grades 9-12. Additionally, HCHS offers a wide variety of elective coursework that can help you explore interests and talents that might offer you direction as you consider career choices for your future.

This scheduling handbook is a guide that can direct your decision-making about the courses you take in high school that will help you meet your post-secondary education and/or career goals.

Sincerely,

Mr. Tommy Ransom
Coordinating Principal, HCHS

Mrs. Amanda Lacer
Assistant Principal, Career & Technical Education

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Kentucky Occupational Outlook Highlights through 2026

HIGHLIGHTS

- The Kentucky job market is expected to average 239,337 job openings annually between 2016 and 2026.
- The majority of job openings in this period are expected to result from workers transferring between occupations-generating 130,278 job openings per year. Individuals exiting the workforce will generate 96,166 openings per year, and economic growth will generate 12,893 openings per year.
- In this period, total employment in the state is expected to increase by 128,934 jobs (6.5% of total current employment). This translates to an annualized growth rate of 0.63%.
- Nearly a third (33.1%) of all employment in 2026 is projected to belong to just three of the state's major occupational groups: Office and Administrative Support Occupations (13.8%), Production Occupations (9.8%), and Transportation and Material Moving Occupations (9.5%).
- Healthcare will play an important role in Kentucky's job market over the next decade. Healthcare Practitioners and Technical Occupations and Healthcare Support Occupations are expected to grow by 12.7% and 14.3%, respectively. Combined, the employment in these two occupations is expected to account for 9.8% of all jobs in the state of Kentucky by 2026.
- Some of the largest occupational groupings (by total jobs) will also be some of the slowest-growing. For example, Office and Administrative Support Occupations, which will account for approximately 13.8% of all jobs in 2026, will have only grown by less than 0.2% each year in the preceding decade. Sales and Related Occupations, which will account for approximately 9.3% of all jobs in 2026, will have only grown by less than 0.1% each year in the preceding decade. Production Occupations is expected to

experience a slight decline - shedding 0.1% of its jobs each year, but still accounting for 9.8% of all employment in the state by 2026.

- Conversely, some of the state's smaller occupational groups, each accounting for less than 3% of all current jobs, will also experience the most intense growth. These include Computer and Mathematical Occupations (1.5% annual growth), Healthcare Support Occupations (1.3% annual growth) and Community and Social Service Occupations (1.2% annual growth).

EDUCATIONAL ATTAINMENTS

- Less than a quarter (24.8%) of all job openings in Kentucky from 2016 to 2026 will require education beyond a high school diploma or equivalent award. Among all projected openings, 37.3% typically require less than high school completion, and 37.9% require only a high school diploma or equivalent award. This is partially explained by the high numbers of exits from the workforce (726,156 combined exits) and high numbers of transfers to other occupations (970,505 combined transfers) expected among occupations requiring these levels of education.
- The majority (58.2%) of occupations that will exhibit higher-than-average growth in the next decade typically require award. Additionally, over a fifth (20.6%) of these high-growth occupations require a Master's, Doctoral, or Professional degree. Only 41.8% of projected high-growth occupations typically require a high school diploma, equivalent award, or less.
- A Bachelor's Degree will be the most commonly required level of education for high-paying jobs. More than half (52.6%) of all openings in occupations with above-average mean salaries will require a Bachelor's or more advanced degree. Virtually none (0.1%) of the openings from high-paying jobs will typically require less than a high school diploma or equivalent award.

Source: Kentucky Center for Statistics - Education and Workforce Development Cabinet: kystats.ky.gov

Graduation Requirements

Class of 2024 and beyond
27 credits

ELECTIVES

English 1	English 2	English 3	English 4		
Algebra 1	Algebraic Data	Geometry	Algebra 2		
Integrated Physical Science	Biology	Chemistry			
World Civilization	Civics/ Economics	U.S. History			
Health (.5 credit)	P.E. (.5 credit)	Technology & Finance	Fine Arts Course		

- * Advanced level or AP level may be taken for all core requirements
- * Students must be enrolled in an English course each year and are required to complete at least 4 credits of English
- * Students must be enrolled in a math course each year and are required to complete at least 4 credits of math

Pre-College Curriculum

- * Must complete all requirements listed above
 - * Must complete 2 credits of a world language
-

Kentucky Educational Excellence Scholarship (KEES)



Visit www.kheaa.com to view your KEES Awards. Sign in or register for an account.

What you need to know

- Advanced Placement (AP), International Baccalaureate (IB), Cambridge Advanced International (CAI) and dual credit courses are weighted on a five-point scale for KEES purposes, meaning an A is worth more in those courses.
- Taking both the ACT and the SAT? The highest ACT composite or SAT evidence-based reading/writing and math score you get on a test you take before you graduate will determine your bonus award.
- You may use your KEES at any participating college in Kentucky. A list of participating colleges is available at www.kheaa.com.
- You have to keep making good grades in college. To keep your full award each year of college, you must earn at least a 2.5 cumulative GPA your first year of college and then have an overall 3.0 cumulative GPA each year after that. "Cumulative" means all the college classes you've taken, not just those in the last semester. That's why it's important to do your best every semester. If your cumulative GPA drops below a 3.0 anytime after your second year of college, your KEES renewal amount will be based on your progress toward meeting your college's graduation requirements as well as your grades.

GPA	Award Amount	ACT Score	Bonus Amount
4.0	\$500	28 or above	\$500
3.9	\$475	27	\$464
3.8	\$450	26	\$428
3.75	\$437	25	\$393
3.7	\$425	24	\$357
3.6	\$400	23	\$321
3.5	\$375	22	\$286
3.4	\$350	21	\$250
3.3	\$325	20	\$214
3.25	\$312	19	\$179
3.2	\$300	18	\$143
3.1	\$275	17	\$107
3.0	\$250	16	\$71
2.9	\$225	15	\$36
2.8	\$200		
2.75	\$187		
2.7	\$175		
2.6	\$150		
2.5	\$125		

Supplemental awards available to some AP, IB and CAI students

Students who are eligible for free or reduced-price lunches during any year of high school can earn KEES supplemental awards by making qualifying scores on Advanced Placement (AP), International Baccalaureate (IB) or Cambridge Advanced International (CAI) exams. The chart below shows the amounts awarded for each score. There is no limit to the number of supplemental awards an eligible student can earn.

AP Exam Score	IB Exam Score	CAI Exam Score	Amount
3	5	e	\$200
4	6	c, d	\$250
5	7	a*, a, b	\$300

Do the math

Enter your yearly GPAs and award amounts on the lines below, along with your highest ACT score and AP, IB or CAI awards, to predict what you will earn for each year of college.

	Amount
Freshman GPA _____	\$ _____
Sophomore GPA _____	+ \$ _____
Junior GPA _____	+ \$ _____
Senior GPA _____	+ \$ _____
Highest ACT Score _____	+ \$ _____
AP, IB or CAI Awards _____	+ \$ _____
Total Estimated Award =	\$ _____

Source: Kentucky Higher Education Assistance Authority (kheaa.com)

Earn College Credit Dual Credit Program, Articulation Agreements and AP Program

Career pathways are useful in providing guidance, counseling and assisting students in setting goals for high school graduation and further education. Career pathways do not limit choices since students can choose any electives they wish each year of high school if their interests change. At Henderson County High School, dual enrollment and the earning of postsecondary credits while still in high school are offered in each career pathway. Articulation agreements and dual credit programs exist between our high school and several postsecondary institutions. While students obtain high school credit upon passing the course, college credit is based on college requirements. The pre-requisites for obtaining college credit are set by the college awarding the credit, and tuition is based on the agreement signed upon enrollment in dual credit. This provides a great savings on college tuition and also allows students to complete their college education in a shorter time frame. Students may also qualify for college credit at most colleges and universities if they score a 3 or higher on an Advanced Placement (AP) exam. For more information on earning college credits while still in high school, consult a high school counselor.

The Freshman Initiative

The first year in high school as a freshman will be exciting yet very challenging. Therefore, Henderson County High School has implemented a Freshman Initiative that was carefully designed with intentional activities that begin during the summer before a student's freshman year in high school. Students will be scheduled into courses sharing a common set of teachers in their unit to create a team approach in setting goals, which will help all students be successful. Students will be recognized for outstanding achievement each nine weeks and also participate in service learning activities to gain community service experiences as well as a sense of pride and belonging to Henderson County.

Individual Learning Plan

The Individual Learning Plan (ILP) is an academic and career plan for all students beginning in the 6th grade. The ILP will help students identify their educational and career goals as well as identify requirements for high school graduation. Students will complete activities that provide the knowledge and skills needed to prepare for successful careers. The ILP will also include personal information about a student's hobbies, interests, school and community activities, work experiences and awards, as well as the names of people who may provide good references. Also included may be the results of an interest inventory, a learning style inventory, and/or a career aptitude assessment. Each year the ILP will be reviewed and updated. The student and advisor will collaborate on revisions and identify postsecondary goals to determine appropriate classes for the next year of school. An electronic version of your student's ILP is available on-line and can be accessed with the parent user ID and password, which can be obtained by contacting your child's school counselor.

Governor's School for the Arts

The Governor's School for the Arts (GSA) is an unparalleled program created to provide intense development in the arts area of the participant's choice. GSA is a summer residential program held for three weeks on the University of Transylvania campus in Lexington, Kentucky. During the three weeks over 200 of Kentucky's finest are guided by a faculty of professional artists/educators in nine different arts disciplines: Architecture, Creative Writing, Dance, Drama, Musical Theatre, Instrumental Music, News Media, Visual Art, and Vocal Music. Grade point average is not a factor in the selection/audition process, and the program is open to all Kentucky sophomores and juniors. GSA is free to all selected students. Graduates of the program are eligible for a host of scholarships and educational opportunities in all fields of study. In addition, twenty colleges and universities welcome GSA alums with scholarships just for completing the program. To be considered for the program, applications must be completed by December 31st. Applications and additional information are available on-line at www.kentuckygsa.org.

Governor's Scholars Program

The Governor's Scholars Program is a challenging five-week residential program at a Kentucky college for outstanding Kentucky students completing their junior year in high school. Students must apply and be selected by the district selection committee to be considered for admission. They attend free of charge and are responsible for personal and incidental expenses only. There are no grades or credits given through participation in the program. The program fosters an environment where ideas are shared, discovery of learning takes place, and community is built within a diverse group of students. This program helps students achieve their academic and personal potential, develop creativity and critical thinking skills, and cultivate leadership capabilities. The academic program moves at an advanced level concentrating on concepts, theory, and discovery. The PSAT and/or ACT is a prerequisite to apply for candidacy and should be taken during the freshman and/or sophomore years. To be considered for the program, students must complete and submit the Student Nomination Packet to their guidance counselor. The applications are usually available in November of each school year. For more information regarding the Governor's Scholars Program, please contact your child's school counselor.



Governor's Scholars Program

PSAT/NMSQT

PSAT/NMSQT stands for Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test. The Preliminary SAT/National Merit Scholarship Qualifying Test is a co-sponsored program by the College Board and National Merit Scholarship Corporation (NMSC). This standardized test provides firsthand practice for the SAT Reasoning Test. It also gives students a chance to enter National Merit Scholarship Corporation (NMSC) scholarship programs. The PSAT/NMSQT measures critical reading skills, math problem-solving skills, and writing skills. Your son or daughter has developed these skills over many years, both in and out of school. This test doesn't require recall of specific facts. The most common reasons for taking the PSAT/NMSQT are:

- To receive feedback on a student's strengths and weaknesses of skills necessary for college study. A student can then focus his/her preparation on those areas that could most benefit from additional study or practice.
- To see how a student's performance on an admissions test might compare with that of others applying to college.
- To enter the competition for scholarships for the National Merit Scholarship Corporation (Grade 10).
- To help prepare for the SAT. A student can become familiar with the kinds of questions and the exact directions he or she will see on the SAT.
- To receive information from colleges when a student checks "yes" to Student Search Service on the answer sheet.
- To meet qualifications for the Governor's Scholars Program.

Grading Scale

Grade cards will be given to students approximately one week following the end of each nine-week grading period. At the end of each nine weeks the honor roll is reported. Students are eligible for the honor roll if they have a 3.5 or higher average for the grading period.

A student's Grade Point Average (GPA) is determined by placing a numeric value to the final grade in each subject. The numeric value of each letter grade is A=4, B=3, C=2, D=1, F=0. A weighted grade scale (A=5, B=4, C=3) is used for Advanced Placement (AP) and dual credit classes only.

writing assignment in any class will fail that class. Final transcript grades are calculated as 20% of each nine weeks grade, 10% midterm exam grade, and 10% final exam grade.

A	92-100
B	82-91
C	70-81
D	60-69
F	below 60

A student who fails to complete and submit a portfolio



Henderson County High School students who graduate and earn four (4) consecutive Rotary Colonels to College workforce certificates could receive up to \$1200 per semester for two years at Henderson Community College. This money can be used to pay for tuition that available KEES money, scholarships, and grants do not cover. Scholarship money is now available to HCC students for summer classes after the completion of a full year at any college or university. Enrollment in the Rotary Colonels 2 College program is required at the beginning of your freshman year. Transfer students from outside the county will have their eligibility evaluated according to established criteria.

The program criteria include:

- 2.5 yearly GPA
- Achieve a 96% attendance and punctuality record each year. This does NOT include field trips or doctor's notes.
- No safe school violations.
- Graduate high school in 4 years or less.

West Kentucky Work Ethic Seal

Students earning the West Kentucky Work Ethic Seal will have an advantage when seeking future employment, particularly in the Western KY area. This is intended to provide new and existing employers with a large work-ready pool of applicants from our area who are seeking applicants with soft skills and a strong work ethic. Businesses and Industries have agreed to grant qualified students an interview when job openings occur. Recipients of this award are given a special graduation chord and a certificate to accompany the diploma.

Criteria include the following:

- A minimum attendance standard of no more than 2 unexcused tardies or absences in the senior year
- A minimum GPA of 2.0 or above
- Zero safe school violations
- Participation in two or more activities beyond the classroom
- Successfully pass high school soft skills curriculum





SCHOOL OF FINE ARTS

School of Fine Arts (SoFA)

SoFA's educational model extends the current arts program by targeting some key attributes of successful artists and incorporating them within our curriculum. Our students will be distinguished ambassadors for our school, our county, and our state and will exhibit leadership throughout our community. Participation in the Henderson County SoFA Program will prepare you not only for a lifetime in the arts, but also for professional and interpersonal relationships as you move into the world.

Students choosing SoFA will be immersed into a curriculum that stimulates creative thinking and problem solving by challenging them in an in-depth study of the pathway of their choice. Pathways include instrumental, theatre, voice, and visual arts OR SoFA general studies (combination of the 4). Students must apply for the program pathway of their choice, audition, interview, and finally be accepted by SoFA staff members. Students must also present two recommendations from their content area at the time of applying. Once admitted into a pathway, students will work hard to improve and perfect their skills within their area. They will be introduced to community masters in their pathway and will learn how to be successful in the arts as a business practice. Students will attend arts events in all area pathways and indulge themselves in the art world. Students will end this program with a Senior Capstone Project/Performance that they will present to a panel of SoFA teachers, board members, and/or community members.

As a SoFA student, it is expected to maintain a higher level of professionalism and conduct. We are a family, and as a group, we strive to enrich the lives of our students by bringing together public/private entities to collaborate in creating and promoting exceptional learning experiences.



Course Placement Procedures

The following guidelines will be used to place students in advanced level courses at HCHS. To make a parent request regarding placement please choose the requested class through the student's Infinite Campus account during online scheduling.

Course	Mandatory Placement in Advanced Level	Placement in Advanced Level with Parent Request
English 1-Advanced	MAP reading score at or above 229 and/or Teacher Recommendation	MAP reading score 223-228 and/or Teacher Recommendation
English 2-Advanced	ACT/District Assessment Reading score at or above 19 and/or Teacher recommendation	ACT/District Assessment Reading score 17-18 and/or Teacher Recommendation
Integrated Physical Science-Advanced	Advanced 8th grade science and/or Teacher recommendation	Teacher recommendation
Biology-Advanced	ACT/District Assessment science score at or above 23 and/or Teacher recommendation	ACT/District Assessment science score 21-22 and/or Teacher Recommendation
Chemistry-Advanced	ACT/District science score at or above 23 and/or Teacher recommendation	ACT science score 21-22 and/or Teacher Recommendation
World Civilizations-Advanced	MAP reading score at or above 229 and/or Teacher Recommendation	MAP reading score 223-228 and/or Teacher Recommendation

Petition for Consideration for Placement in Advanced Courses

Parents of students who do not meet the enrollment criteria may petition for student placement in advanced courses. Parents will be required to provide appropriate documentation for consideration. This may include, but not be limited to, other current standardized test scores, submission of student work samples, and documentation of outside course work applicable to the request. Parents should choose the advanced course when scheduling courses for the upcoming school year. The request will be reviewed by a standing committee of Mr. Tommy Ransom, Coordinating Principal, Mrs. Amber Thomas, Assistant Principal of Student Services, school counselors, and a teacher from the content area. Administrative decision is final.

College Readiness Benchmarks

ACT's College Readiness Benchmarks are the minimum ACT test scores required for students to have a high probability of success in credit-bearing college courses - English Composition, social sciences courses, College Algebra, or Biology. In addition to the Benchmarks for the ACT test, there are corresponding scores for other state and national exams such as KYOTE.

Area	ACT	KYOTE (College Readiness Exam)
English (Writing)	18	6
Reading	20	20
Math (Quantitative Reasoning)	19	22
Math (College Algebra)	22	14 (KYOTE College Algebra Exam)

Post-Secondary Readiness for All

Academic Ready	Career Ready	English Language
A student must meet benchmarks on OR obtain one of the following:	A student must meet benchmarks on OR obtain one of the following:	(Only required for English Learners)
<ul style="list-style-type: none"> Meet <u>ONE</u> College Readiness benchmark (English, Reading or Math) Complete <u>ONE</u> dual credit class with a grade of C or higher Complete <u>ONE</u> AP course with a score of 3 or higher 	<ul style="list-style-type: none"> Pass a CTE End of Program (EOP) Assessment Earn an Industry Certification Complete <u>ONE</u> dual credit classes with a grade of C or higher Complete a KDE/Labor Cabinet approved apprenticeship Complete a KDE-approved alternate process to verify exceptional work experience. 	<ul style="list-style-type: none"> Meet exit criteria for English language proficiency assessment (overall composite of 4.5 on a Tier B/C)

At HCHS we strive for excellence by pushing our students to go above and beyond. Students are rewarded for their hard work with a free trip to Holiday World. To be eligible, students must meet reading **OR** English **AND** math benchmarks through approved assessments, by scoring a 3+ on two AP exams, or by earning a "C" or better in two academic dual credit courses. Students can also become eligible by passing an EOP Assessment, earning an Industry Certification or earning a "C" or better in two CTE dual credit courses.

NCAA/Student Athlete Information

High School Information

School Code: 181140

School Name: Henderson County High School

Address: 2424 Zion Rd. Henderson, KY 42420

NCAA legislation permits a student to receive credit for a core course only one time. As a result, if a student repeats a core course, the student will only receive credit for the core course once, and the highest grade earned in the course will be included in the calculation of the student's core course grade point average. Likewise, if a student completes a course that duplicates content with another core course, the student will only receive credit for one of the duplicate courses, and the course with the highest grade earned will be included in the calculation of the student's core course grade point average.

A student who plans to pursue sports in college should work closely with his/her high school guidance counselor to plan courses throughout high school that meet NCAA requirements. Students may also contact the HCHS Athletic Director at 270-831-8860.

Please visit www.ncaaclearinghouse.org or www.eligibilitycenter.org for an updated list of approved courses and information on how to register with the National Collegiate Athletic Association.

Division I: 16 Core-Course Rule

4 years of English

3 years of mathematics (Algebra 1 or higher)

2 years of natural/physical science (1 year of lab if offered by high school)

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/philosophy)

Division II: 16 Core-Course Rule

3 years of English

2 years of mathematics (Algebra 1 or higher)

2 years of natural/physical science (1 year of lab if offered by high school)

3 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/philosophy)

National Association of Intercollegiate Athletics (NAIA)

To register to play sports for a NAIA school, visit www.PlayNAIA.org

NOTE: Beginning August 1, 2016, NCAA Division I will require 10 core courses be completed prior to the 7th semester of high school. Seven of the ten must be a combination of English, math, and science.

What is AP Capstone™?

AP® Capstone is a diploma recognition program being offered through the College Board at Henderson County High School. AP Capstone™, helps students develop critical analysis, communication, and investigative research skills in preparation for college and beyond. Students who meet AP coursework requirements for the program will be recognized with a diploma or certificate of completion by the College Board.

How does AP Capstone™ work?

The diploma program requires taking a sequence of two courses, AP® Seminar and AP® Research, and four additional AP® courses. Students who earn scores of 3 or higher on the AP® Seminar and AP® Research Exams and scores of 3 or higher on four additional AP® Exams of their choice will receive the AP Capstone Diploma™.

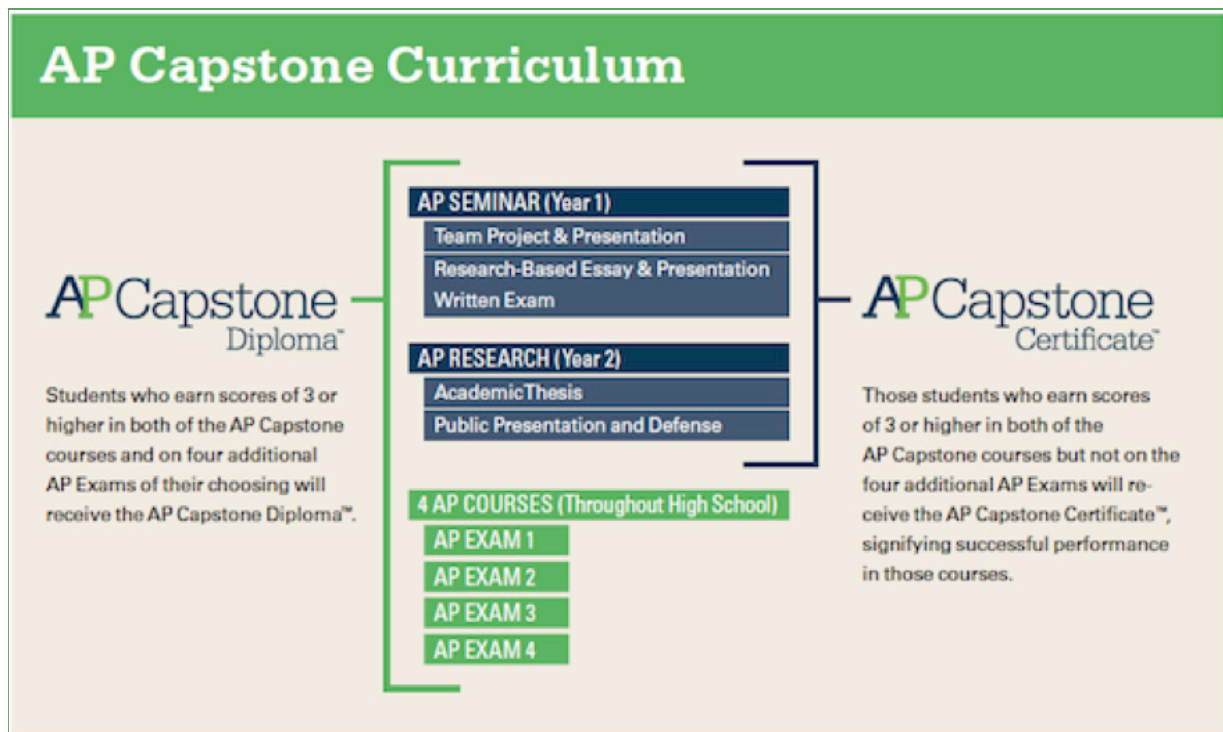
Students may take only the AP® Seminar or the sequence of AP® Seminar and AP® Research without participating in the AP® Capstone program. Students who take both AP® Seminar and AP® Research and score a 3 or higher on each exam will be awarded an AP® Seminar and Research Certificate™.

What is in it for me?

The AP Capstone Diploma™ is a distinguishing honor that sets students apart from others in the college admission and scholarship process. In addition to possibly earning college credit, AP® Seminar is designed to strengthen your analytical and research skills necessary to be successful in other AP®/college-level courses. The AP® Research class strengthens communication and presentation skills, which are vital in higher education and the workforce. Like all other AP courses at HCHS, both AP® Seminar and AP® Research course grades are weighted in your GPA.

Students who show successful progress toward meeting all requirements for the Capstone program will be recognized with a cord at graduation, signifying they are an AP Capstone candidate.*

*If all requirements have not been met by May of the senior year, evaluation of successful progress will be based on previous AP exam scores and recommendation by the AP Coordinators and AP teachers who consider current grades, quality of work, initiative, and/or AP mock exams.



Course offerings by grade level for AP[®] and AP Capstone[™]

(Refer to Course Descriptions for prerequisites and required recommendations.)

9th

- AP Art History
- AP Environmental Science
- AP European History
- AP Human Geography

10th

- AP Art and Design Program
- AP Art History
- AP Biology
- AP Computer Science A
- AP Environmental Science
- AP European History
- AP Human Geography
- AP Music Theory
- AP Physics 1 or Physics C
- AP Psychology
- AP Seminar/Capstone
- AP US Government

11th

- AP Art and Design Program
- AP Art History
- AP Biology
- AP Calculus AB
- AP Chemistry
- AP Computer Science A
- AP English 3 Language and Composition
- AP Environmental Science
- AP European History
- AP Human Geography
- AP Microeconomics
- AP Music Theory
- AP Physics 1 or Physics C
- AP Psychology
- AP Research/Capstone
- AP Seminar/Capstone
- AP Spanish
- AP Statistics
- AP US Government
- AP US History

12th

- AP Art and Design Program
- AP Art History
- AP Biology
- AP Calculus AB
- AP Calculus BC
- AP Chemistry
- AP Computer Science A
- AP English 4 Literature and Composition
- AP Environmental Science
- AP European History
- AP Human Geography
- AP Microeconomics
- AP Music Theory
- AP Physics 1 or Physics C
- AP Psychology
- AP Research/Capstone
- AP Seminar/Capstone
- AP Spanish
- AP Statistics
- AP US Government

Sequencing and Optional English Courses by Grade Level

A student must complete 4 required English credits in order to graduate.
An English course must be completed each year of high school.

Grade 8	8th Grade English	English 1 – Advanced
Grade 9	English 1	English 2
	English 1 – Advanced	English 2 – Advanced
Grade 10	English 2	English 3
	English 2 – Advanced	*AP [®] Seminar (suggested course for students who have completed English 2-Advanced)
		AP [®] English Language and Composition (required teacher recommendation and evaluation of standardized test scores)
Grade 11	English 3	English 3
	AP [®] English Language and Composition	AP [®] English Language and Composition
		*AP [®] Seminar (suggested course for students who have completed English 3 or AP [®] English Language and Composition)
		English 4 (Prerequisite: English 3 or AP [®] English Language and Composition)
		AP [®] English Literature and Composition/101 (Prerequisite: English 3 or AP English Language and Composition)
Grade 12	English 4	English 4
	AP [®] English Literature and Composition/101	AP [®] English Literature and Composition/ENG101
		ENG 102 (Prerequisite: ENG 101)
		*AP [®] Seminar
		**AP [®] Research (Prerequisite: AP [®] Seminar)

* **AP[®] Seminar** is a required course for those students completing the AP Capstone Diploma™. This course may be taken as an English elective (10th-12th grade); however, it cannot be substituted for one of the four required English credits for graduation.

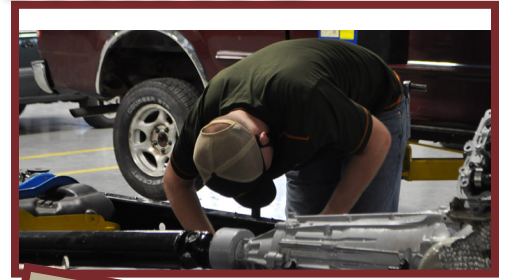
** **AP[®] Research** is a required course for those students completing the AP Capstone Diploma™. This course may be taken as an English elective (11th -12th grade); however, it cannot be substituted for one of the four required English credits for graduation.

Sequencing and Optional Math Courses by Grade Level

A student must complete 4 required math credits in order to graduate.
A math course must be completed each year of high school.

Grade 6	6th Grade Math	Middle Sch 1 Adv (6 th & ½ of 7 th)	Middle Sch Adv (6 th , 7 th , 8 th)
Grade 7	7th Grade Math	Middle Sch 2 Adv (½ of 7 th and 8 th)	Algebra 1 Advanced
Grade 8	8th Grade Math	Algebra 1 Advanced	Algebraic Data & Measurement Advanced
Grade 9	Algebra 1	Algebraic Data & Measurement Advanced	Geometry Advanced
Grade 10	Algebraic Data & Measurement	Geometry Advanced	Algebra 2 w/ PreCalculus
Grade 11	Geometry	Algebra 2 w/ Pre-Calculus	AP Calculus AB
			AP Statistics
			AP Computer Science A
			College Algebra
			Personal Finance
			Ag Math
Grade 12	Algebra 2	AP Calculus AB	AP Calculus AB
			AP Calculus BC
		AP Statistics	AP Statistics
		AP Computer Science A	AP Computer Science A
		College Algebra	College Algebra
		Personal Finance	Personal Finance
		Agricultural Math	Agricultural Math

CTE CAREER PATHWAYS



All students have some idea of their likes, dislikes, and aptitudes to help them determine where they are going after high school. Students also need an education and a career plan that transcends high school into at least the first two years of postsecondary education or training to make sure they have their next steps planned after high school.

Today's students need to:

- Be critical thinkers and problem solvers.
- Have excellent communication and digital literacy skills.
- Master challenging core content.
- Be team players.
- Have leadership skills and the ability to supervise and direct others workers.
- Be flexible and adaptable to change.
- Display a strong work ethic.

Enrollment in Career Pathways...

- Increases student achievement at the secondary level through cross-curricular instruction, real-world application, project-based learning and hands-on learning experiences.
- Promotes student enrollment and completion of postsecondary education and/or training.
- Increases student motivation to succeed through exposure to obtainable post-secondary educational and employment opportunities.
- Provides the environments and experiences necessary to demonstrate the relevance of secondary technical education to students post-secondary educational and employment goals.
- relevance to students' future in connecting secondary education between the relevance of education to their lives and set to work building futures that match their aspirations.

AGRICULTURAL EDUCATION

Pathway: Horticulture and Plant Science

Course Name	Course Number	Grade Level
Principles of Agriculture	7445	9, 10
Floral Design	7459	10, 11, 12
Intro to Greenhouse/ Crop Production**	7451	10, 11, 12
Greenhouse Technology**	7450	11, 12
Electives		
Agriculture Education Co-op	7455-1credit 7456-2 credits 7457-3 credits	12
Agri-Biology	4200	10
Agriculture Sales & Marketing	7474	10, 11, 12

Pathway: Environmental and Natural Resources

Course Name	Course Number	Grade Level
Principles of Agriculture	7445	9, 10
Agri-Biology	4200	10
Intro to Greenhouse/ Crop Production**	7451	10, 11, 12
Greenhouse Technology	7450	11, 12
Elective		
Agriculture Education Co-op	7455-1credit 7456-2 credits 7457-3 credits	12

Pathway: Animal Science Systems

Course Name	Course Number	Grade Level
Principles of Agriculture	7445	9, 10
Small Animal Technology	7468	10, 11, 12
Animal Science**	7446	10, 11, 12
Veterinary Science**	7467	11, 12
Electives		
Agriculture Education Co-op	7455-1credit 7456-2 credits 7457-3 credits	12
Agri-Biology	4200	10

** Eligible for dual credit

Agricultural Education Co-op Guidelines

- Students must complete Principles of Agriculture and at least two other courses within an Agricultural Education pathway by the end of the 11th grade year in order to Co-op.
- Students enrolled in Agricultural Education Co-op must also be enrolled in a fourth pathway course.
- Students must complete other co-op requirements. See instructor for additional requirements.

Interdisciplinary Agriculture Courses

4200 Agri-biology (Biology Credit)

7459 Floral Design (Fine Arts Credit)

7476 Agricultural Math (Math Credit)**

Agricultural math is offered as an elective course. This course does not count toward the completion of an Agricultural Education Pathway.

Students must have completed, or be enrolled, in Algebra 2, in order to enroll in this course.

BUSINESS & MARKETING EDUCATION

Business Co-op Guidelines

- Students enrolled in the Accounting Pathway must complete Accounting and Finance Foundation, Financial Management and a third required credit by the end of the 11th grade year. Students must have completed, or be enrolled, in a fourth required credit in order to enroll in Business Co-op.
- Students enrolled in the Administrative Support Pathway must complete Accounting and Finance Foundation, Office Administration and Introduction to Management by the end of the 11th grade year. Students must have completed, or be enrolled, in a fourth required credit in order to enroll in Business Co-op.
- Students enrolled in the Financial Services Pathway must complete Accounting and Finance Foundations and Financial Management OR Marketing Principles by the end of the 11th grade year. Students enrolled in Business Co-op must be enrolled in Colonel's Corner Bank OR Personal Finance.
- Students must complete other co-op requirements. See instructor for additional requirements.

Pathway: Accounting

Course Name	Course Number	Grade Level
Accounting & Finance Foundation (Acct 1)	7404	9, 10
Financial Management (Acct 2)	7405	10, 11
Introduction to Management	9538	11, 12
Personal Finance (BAS 120)-Dual Credit	9536	11, 12
Electives		
Business and Marketing Essentials (.5 credit)	9426	9, 10, 11, 12
Ethical Leadership (.5 credit)	9427	9, 10, 11, 12
Technology and Finance (.5 credit)	9428	9, 10, 11, 12
Office Administration	7390	10, 11, 12
Microsoft Office Specialist	7391	11, 12
Business Co-op	9525A-1 credit 9525B-2 credit	12

Pathway: Administrative Support

Course Name	Course Number	Grade Level
Accounting & Finance Foundation (Acct 1)	7404	9, 10
Technology and Finance (.5 credit)	9428	9, 10, 11, 12
Business and Marketing Essentials (0.5 credit)	9426	9, 10, 11, 12
Office Administration	7390	10, 11, 12
Introduction to Management	9538	11, 12
Microsoft Office Specialist	7391	11, 12
Electives		
Personal Finance (BAS 120)-Dual Credit	9536	11, 12
Ethical Leadership (.5 credit)	9427	9, 10, 11, 12
Business Co-op	9525A-1 credit 9525B-2 credit	12

Pathway: Financial Services

Course Name	Course Number	Grade Level
Accounting & Finance Foundation (Acct 1)	7404	9
Financial Management (Acct 2)	7405	10, 11
OR Marketing Principles	9429	9, 10
Personal Finance (BAS 120)-Dual Credit	9536	11, 12
Colonels Corner Bank (2 credits)	7406/7407	12
Electives		
Marketing Principles	9429	9, 10
Business and Marketing Essentials (.5 credit)	9426	9, 10, 11, 12
Ethical Leadership (.5 credit)	9427	9, 10, 11, 12
Business Co-op	9525A-1 credit 9525B-2 credit	12

Pathway: Hospitality, Travel, Tourism and Recreation

Course Name	Course Number	Grade Level
Principles of Hospitality	7200	9, 10
Marketing Principles	9429	9, 10
Travel and Tourism Marketing	Beginning 24-25	11, 12
Specialized Services in Hospitality (2 credits)	Beginning 24-25	12
Electives		
Foods and Nutrition	7436	9, 10, 11, 12
Ethical Leadership (.5 credit)	9427	9, 10, 11, 12
Principles of Entrepreneurship (0.5 credit)	9539	10, 11, 12
Marketing 2-Marketplace	9431	11
Marketing Co-op	9432A-1 credit 9432B-2 credit 9432C-3 credit	12

Marketing Co-op and Work-Based Learning Guidelines

- Students enrolled in the Hospitality, Travel, Tourism and Recreation Pathway must complete at least 3 required credits by the end of the 11th grade year. Students must have completed, or be enrolled, in a fourth required credit in order to enroll in Marketing Co-op.

Pathway: Marketing

Course Name	Course Number	Grade Level
Marketing Principles	9429	9, 10
Marketing 1	9430	10, 11
Marketing 2-Marketplace	9431	11
Personal Finance (BAS 120)-Dual Credit	9536	11, 12
Electives		
Accounting & Finance Foundations (Acct 1)	7404	9, 10, 11, 12
Business and Marketing Essentials (0.5 credit)	9426	9, 10, 11, 12
Ethical Leadership (0.5 credit)	9427	9, 10, 11, 12
Principles of Entrepreneurship (0.5 credit)	9539	10, 11, 12
Travel and Tourism Marketing	Beginning 24-25	11, 12
Marketing Co-op	9432A-1 credit 9432B-2 credit 9432C-3 credit	12
Marketing School Based Enterprise (teacher approval required)	9433	12

- Students enrolled in the Marketing pathway must complete Marketing 2 (Marketplace) by the end of the 11th grade year. Students must have completed, or be enrolled, in a fourth Marketing course in order to enroll in Marketing Co-op or Marketing School Based Enterprise.
- Students must complete other co-op requirements. See Instructor for additional requirements.

Pathway: Finance Accounting Marketing (FAM)

Are you business-minded? You can complete 3 Business/Marketing Pathways! See below.

Course Name	Course Number	Grade Level
Accounting and Finance Foundation (Acct 1) AND Marketing Principles	7404 9429	9 9, 10
Financial Management (Acct 2) AND Marketing 1	7405 9430	10
Marketing 2 (Marketplace)	9431	11
Colonels Corner Bank (2 credits) OR Introduction to Management OR Business Co-op	7406/7407 9538 9525A/9525B	12

COMPUTER SCIENCE

Information Technology Co-op/ Reach Guidelines

- Student must complete Programming 3 by the end of the 11th grade year in order to co-op.
- Students enrolled in Computer Science Co-op or REACH, must have taken, or be enrolled in Programming 4.
- Students must complete other work based learning requirements. See instructor for additional requirements.

Pathway: Computer Programming

Course Name	Course Number	Grade Level
Programming 1 (Computer Literacy)	9540	9, 10
Programming 2 (Introduction to Programming)	9541	10, 11
Programming 3 (Web Page Development)	9544	11, 12
Programming 4 (Project-Based Programming)	9543	11, 12
Electives		
REACH-School Based Enterprise (Teacher approval required)	9508A-1 credit 9508B-2 credit 9508C-3 credit	12
Computer Science Co-op	9505 - 1 credit 9506 - 2 credit 9507 - 3 credit	12

CONSTRUCTION TECHNOLOGY

Pathway: Skilled Trades Commercial Carpentry TRACK Pre-Apprenticeship

Course Name	Course Number	Grade Level
Construction Technology 1	9531	9, 10
Construction Technology 2	9632	10, 11
Construction Technology 3	9533	11, 12
Electives		
HC Dream Builders (Teacher approval required)	9534A-1 credit 9534B-2 credit	12
Construction Technology Co-op	9535A-1 credit 9535B-2 credit 9535C-3 credit	12

Construction Technology Co-op Guidelines

- Student must complete Construction Technology 1 and Construction Technology 2 by the end of the 11th grade year.
- Students who have not completed Construction Technology 3 before their 12th grade year and wish to co-op, must enroll in Construction Technology 3 and Construction Technology Co-op.
- Students must pass the Skilled Trades Commercial Carpentry TRACK Pre-Apprenticeship Assessment in order to Co-op.
- Students must complete other co-op requirements. See instructor for additional requirements.

Industry Certification

Students enrolled in the Skilled Trades Commercial Carpentry TRACK pathway will have the opportunity to earn TRACK Pre-apprenticeship Certification and the OSHA10 Occupational Safety and Health Administration Card.

EDUCATION AND TRAINING

DO you want to be a teacher?

- This pathway focuses on the general theory and practice of learning and teaching, the basic principles of educational psychology, the art of teaching, the planning and administration of educational activities, school safety and health issues, and the social foundations in education.
- Students must complete The Learning Community, The Learner-Centered Classroom and The Professional Educator in order to enroll in the Collaborative Clinical Experience.
- Students will spend the majority of their Collaborative Clinical Experience in a classroom learning setting that is appropriate for their intended teaching discipline.
- In place of Collaborative Clinical Experience, students may complete this pathway with the successful completion of an AP or Dual Credit course in their intended teacher discipline.

Pathway: Teaching and Learning

Course Name	Course Number	Grade Level
The Learning Community	8001	9, 10
The Learner-Centered Classroom	8002	10, 11
The Professional Educator	Offered 24-25	11, 12
Collaborative Clinical Experience	Offered 24-25	12
AP Course in intended teacher discipline		12
Dual Credit Course in intended teacher discipline		12

ENGINEERING AND TECHNOLOGY EDUCATION

Engineering Co-op Guidelines

- Student must complete Engineering 3 by the end of the 11th grade year.
- Students must be enrolled in Engineering Capstone in order to enroll in Pre-Engineering Co-op.
- Students must complete other co-op requirements. See instructor for additional requirements.

Industry Certification

NOCTI CAD Foundations Certification

Pathway: Electrical/Electronic Engineering

Course Name	Course Number	Grade Level
Engineering 1	9589	9, 10
Engineering 2	9590	10, 11
Electrical/Electronics Engineering	9592	11, 12
Engineering Capstone	9598	12
Electives		
AP Computer Science	3443	10, 11, 12
Pre-Engineering Co-op	9594-1 credit 9595-2 credit 9596-3 credit	12

Pathway: Computerized Manufacturing & Machining (CMM)

Course Name	Course Number	Grade Level
Engineering 1	9589	9, 10, 11, 12
Manufacturing Tech 1	9561	10, 11, 12
Manufacturing Tech 2	9562	11, 12
Manufacturing Engineering	9564	12

Pathway: Civil Engineering

Course Name	Course Number	Grade Level
Engineering 1	9589	9, 10
Engineering 2	9590	10, 11
Civil Engineering	9591	11, 12
Engineering Capstone	9598	12
Electives		
AP Computer Science	3443	10, 11, 12
Pre-Engineering Co-op	9594-1 credit 9595-2 credit 9596-3 credit	12

FAMILY AND CONSUMER SCIENCE

Culinary Arts Co-op Guidelines

Pathway: Culinary Arts

Course Name	Course Number	Grade Level
Foods & Nutrition	7436	9, 10
Culinary Arts 1	7437	10, 11
Culinary Arts 2 (2 credits)	7438	11, 12
Electives		
Life Skills (FACS Essentials)	7430	9, 10, 11, 12
Advanced Foods & Nutrition	7429	11, 12
Colonel's Kitchen (Teacher approval required)	7442-1 credit 7442A-2 credit 7442B-3 credit	12
Culinary Arts Co-op	7439-1 credit 7440-2 credit 7441-3 credit	12

- Student must complete Foods & Nutrition and Culinary 1 by the end of the 11th grade year.
- Students enrolled in Culinary Arts Co-op, must have completed, or be enrolled in, Culinary 2.
- Students must pass ServSafe Assessment in order to be eligible to enroll in Culinary Arts Co-op.
- Students must complete other co-op requirements. See Culinary Arts instructor for additional requirements.

Industry Certification

Students who complete the Culinary Arts pathway will have the opportunity to earn the ServSafe certification.



Early Childhood Education Work-Based Learning Guidelines

- Student must complete Child/Human Development and Child Development Services 1 with at least a C average by the end of the 11th grade year.
- Students must complete other work-based learning requirements. See Child Development instructor for additional requirements.

Pathway: Early Childhood Education

Course Name	Course Number	Grade Level
Child/Human Development	7433	9, 10, 11, 12
Child Development Services 1	7434	10, 11
Child Development Services 2	7435	12
Early Childhood Apprentice	7431A-1 credit 7431B-2 credit	12
Electives		
Life Skills (FACS Essentials)	7430	9, 10, 11, 12
Relationships/Parenting	7432	10, 11, 12

Industry Certification

Child Development Associates Credential

Child/Human Development (Must earn a "C" or better)
 Child Development Services 1 (Must earn a "C" or better)
 Child Development Services 2 (Must earn a "C" or better)
 CDA Assessment
 480 hours of direct work

Pediatric Abusive Head Trauma Certification

Child/Human Development

Kentucky Orientation Certification

Child Development Services 1

Commonwealth Child Care Credential

Child/Human Development
 Child Development Services 1 AND
 Child Development Services 2 OR
 Relationships/Parenting OR
 Life Skills

HEALTH SCIENCE

Pathway: Allied Health

Course Name	Course Number	Grade Level
Medical Terminology	9558	9, 10, 11, 12
Health Science 1	9481	10
Health Science 2-Fundamentals	9483	11
Health Science 3-Clinicals (3 Credits)	9484	12
Electives		
Anatomy/Physiology	4417	11, 12
Medical Admin & Dosage (Elective)	9559	11, 12

Pathway: Medical Administrative Assistant

Course Name	Course Number	Grade Level
Medical Terminology	9558	9, 10, 11, 12
Health Science 1	9481	10
Health Science 2-Medical Office	7410	11, 12
Health Science 3-Medical Office Clinicals	9484MO	12

Pathway: Pre-Nursing

Course Name	Course Number	Grade Level
Medical Terminology	9558	9, 10, 11, 12
Health Science 1	9481	10
Health Science 2-SRNA	9482	11
Health Science 3-Clinicals (3 cr) OR Health Science 3 Co-op (4 cr)	9484 9485	12
Electives		
Health Science SRNA Lab-Fall (.5 credit)	9482F	11
Health Science SRNA Lab-Spring (.5 credit)	9482S	11
Anatomy/Physiology	4417	11, 12
Medical Admin & Dosage (Elective)	9559	11, 12

Health Science Work-Based and/or Co-op Guidelines

- Students must complete Health Science 1 and Health Science 2 by the end of the 11th grade year in order to enroll in clinicals or co-op.
- Students enrolled in Health Science 3 Co-op must be working in a paid position.
- Students must complete other co-op requirements. See Health Science Instructors for additional requirements.

Industry Certification

Students enrolled in the Allied Health Pathway will have the opportunity to take the NOCTI Healthcare Core Assessment.

Students enrolled in the Pre-Nursing pathway will have the opportunity to earn the State Registered Nurse Aide Course certification.

Students who complete the Medical Administrative Assistant pathway will have the opportunity to earn the Certified Medical Administrative Assistant certification.

JROTC - ARMY

Pathway: Army JROTC

Course Name	Course Number	Grade Level
JROTC LET 101/Health & P.E. (satisfies Health/P.E. Credit required to graduate)	7420	9
JROTC LET 201	7422	10
JROTC LET 301	7424	11
JROTC LET 401	7425	12
Electives		
JROTC LET 501	7426	10, 11, 12
JROTC Command and Staff	7427	11, 12

Army JROTC is a four-year sequence of courses. This pathway's design focuses on the development of better citizens by building skills in leadership, personal growth and behaviors, citizenship, decision making, health and fitness, first aid, team building, service learning, and geography; all within a student-centered learning environment. It prepares high school students for responsible leadership roles while making them aware of their rights, responsibilities, and privileges as American citizens. The program is a stimulus for promoting college and career readiness and it provides instruction and rewarding opportunities that will benefit the student, community, and nation.

Participating in JROTC does not obligate a student to join the military. It provides for an opportunity to establish a portfolio for collegiate ROTC programs and letters of recommendation for entry into prestigious military academies such as West Point.

Industry Certification

Students enrolled in the Army JROTC Pathway will have the opportunity to earn the JROTC 3-Year Certificate of Training. Cadet students in good standing who successfully complete three of the four base JROTC courses are eligible for this certificate.

Additional Opportunities

Students enrolled in the JROTC Pathway will have opportunities to participate in co-curricular activities specific to JROTC and service learning opportunities.

- Raiders
- Rifle Team
- Color Guard
- Drill Team
- Junior Leadership Academic Bowl (JLAB)
- Junior Cadet Leadership Camp - 5 day all expense paid summer adventure camp

LAW AND PUBLIC SAFETY

Pathway: Pre-Law

Course Name	Course Number	Grade Level
Pre-Law 1	9601	9, 10
Pre-Law 2	9602B	10, 11
Pre-Law 3	9603B	11, 12
Pre-Law 4	9607	12
Elective		
Pre-Law Co-op	9605A-1 credit 9605B-2 credit 9605C-3 credit	12

Pre-Law Co-op Guidelines

- Student must complete Pre-Law 3 by the end of the 11th grade year.
- Students enrolled in Pre-Law Co-op must have completed, or be enrolled in, Pre-Law 4.
- Students must complete other work-based learning requirements. See Pre-Law Instructor for additional requirements.

Industry Certification

Students who complete the Pre-Law pathway will have the opportunity to earn the NOCTI Certification for Criminal Justice Advanced (potential for 3 college credits).

MANUFACTURING TECHNOLOGY EDUCATION

Manufacturing Technology Co-op Guidelines

- Student must complete Manufacturing Technology 1 and Manufacturing Technology 2 by the end of the 11th grade year.
- If students have not completed Manufacturing Technology 3 before their 12th grade year and they wish to be in co-op, they must enroll in Manufacturing Technology 3 with co-op.
- Students must complete other co-op requirements. See Manufacturing Technology Instructor for additional requirements.

Industry Certification

Students who complete the Manufacturing Technology pathway will have the opportunity to earn the NIMS certification and OSHA 10 Occupational Safety and Health Administration Card.

Pathway: Computer Numerical Control (CNC) Operator

Course Name	Course Number	Grade Level
Manufacturing Technology 1	9561	9, 10
Manufacturing Technology 2	9562	10, 11
Manufacturing Technology 3	9563	11, 12
Electives		
Manufacturing Technology Co-op OR Manufacturing Technology Apprenticeship (4cr)	9566A-1 credit 9566B-2 credits 9566C-3 credits 9566D-4 credits	12
Colonels Machining & Outdoors (Teacher approval required)	9565A-1 credit 9565B-2 credit	12

MANUFACTURING TECHNOLOGY EDUCATION CONT.

Welding Co-op Guidelines

- Student must complete Welding 1 and Welding 2 by the end of the 11th grade year.
- Students who have not completed Welding 3 before their 12th grade year and wish to co-op, must enroll in Welding 3 and Welding Co-op.
- Students must achieve AWS Sense Level 1 certification in order to co-op.
- Students must complete other co-op requirements. See Welding Instructor for additional requirements.

Industry Certification

Students who complete the Welder-Entry Level pathway will have the opportunity to earn the AWS Sense Level 1 certification and OSHA10 Occupational Safety and Health Administration Card.

Pathway: Skilled Trades Welding TRACK Pre-Apprenticeship/Welder - Entry Level

Course Name	Course Number	Grade Level
Welding 1	9571	9, 10
Welding 2	9572	10, 11
Welding 3	9573	11, 12
Electives		
HC FABTECH & Design (teacher approval required)	9574A-1 credit 9574B-2 credits	12
Welding Co-op	9575A-1 credit 9575B-2 credits 9575C-3 credits	12

MEDIA ARTS

Visual Communication Co-op/LAUNCH Guidelines

- Students must complete Intro to Visual Communication and Visual Communications 1 by the end of their 11th grade year.
- Students who have not completed Visual Communication 2 before their senior year and wish to enroll in Visual Communications Co-op or LAUNCH, must also enroll in Visual Communications 2 and Advanced Visual Communications.
- Students must complete other work based learning/co-op requirements. See Visual Communication instructors for additional requirements.

Industry Certification

Students who complete the Media Arts pathway will have the opportunity to become Adobe certified.

Pathway: Graphic Design

Course Name	Course Number	Grade Level
Intro to Visual Communication	9580	9, 10
Visual Communication 1	9581	10, 11
Visual Communication 2	9582	11, 12
Advanced Visual Communication (2cr)	9587	12
Electives		
LAUNCH (Teacher approval required)	9700-1credit 9700A-2 credits 9700B-3 credits	12
Visual Communications Co-op	9584-1 credit 9585-2 credits 9586-3 credits	12

TRANSPORTATION EDUCATION

Pathway: Auto Service Technician

Course Name	Course Number	Grade Level
Automotive Technology 1	9511	9, 10
Automotive Technology 2 (2cr)	9512	10, 11
Automotive Technology 3 (2cr)	9513	11, 12
Electives		
HC Auto (teacher approval required)	9514A-1 credit 9514B-2 credits	12
Automotive Technology Co-op	9515A-1 credit 9515B-2 credits 9511C-3 credits	12

Automotive Technology Co-op Guidelines

- Student must complete Automotive Technology 1 and Automotive Technology 2 by the end of the 11th grade year.
- If students have not completed Automotive Technology 3 before their 12th grade year and they wish to be in co-op, they must enroll in Automotive Technology 3 and co-op.
- Students must pass the ASE Maintenance and Light Repair (MLR) or Automotive Service Technician (AST) Assessment in order to be eligible to co-op.
- Students must complete other co-op requirements. See Automotive Technology Instructor for additional requirements.

Industry Certification

Students who complete the Automotive Service Technician pathway will have the opportunity to earn the ASE, Automotive Service Excellence, certificate.

Course Descriptions

ENGLISH

Reading Strategies 1 (2102) - 1 credit

Grade Level: 9

Prerequisite: Any 9th grade student who is one grade level below or more in reading as measured on the MAP test will be placed in a Reading Strategies class for a minimum of one semester.

This course is designed to allow students to better prepare a foundation in their basic reading and writing skills.

College Prep Reading A (2103) - 1 credit

Grade Level: 9

A student is enrolled in this course if their 8th grade reading MAP score is between the 50th-65th percentile. This indicates that the student may not be on track to meet college readiness benchmarks before graduation and would require remediation courses upon enrollment in college. Remediation courses do not count toward college graduation. This course curriculum will support students' comprehension of literary, humanities, social science, and science texts, which are texts encountered in college coursework. Students may test out of this course and earn .5 credit at the end of the first semester if scoring at or above the 66th percentile on the winter reading MAP test. Students in this course who do not score above the 66th percentile may take the course all year and earn a full credit at the end of the second semester. Students who were not placed in this course for the first semester and score between the 50th-65th percentile on the winter reading MAP may be placed in the course for the second semester and earn .5 credit.

College Prep Reading B (2104) - 1 credit

Grade Level: 10

A student is enrolled in this course if their 9th grade reading MAP score is between the 50th-65th percentile. This indicates that the student may not be on track to meet college readiness benchmarks before graduation and would require remediation courses upon enrollment in college. Remediation courses do not count toward college graduation. This course curriculum will support students' comprehension of literary, humanities, social science, and science texts, which are texts encountered in college coursework. Students may test out of this course and earn .5 credit at the end of the first semester if scoring at or above a 19 on the CERT Reading test. Students in this course who do not score at or above a 19 on the CERT Reading test may take the course all year and earn a full credit at the end of the second semester. Students who were not placed in this course for the first semester and score between the 50th-65th percentile on the winter CERT Reading test may be placed in the course for the second semester and earn .5 credit.

English 1 (2111) - 1 credit

Grade Level: 9

This course is designed to review the fundamentals of grammar, expand the skills of paragraphing and improve reading skills. Course focuses on genres in literature. Course lays the foundation for college curriculum and includes required core content for English 1.

English 1 Advanced (2111A) - 1 credit

Grade Level: 9

Prerequisite: suggested MAP score of 226; EXPLORE score of 17 and above; or teacher recommendation.

This course is for students who want to improve their reading and writing to lay a foundation for improving communications skills.

English 2 (2121) - 1 credit

Grade Level: 10

Prerequisite: English 1.

This course emphasizes grammar and composition skills. Teachers assign paragraphs and brief themes that call for planning and writing. The student will study short stories, modern plays, poetry and novels in world literature. Course lays the foundation for college curriculum and includes required core content for English 2.

English 2 Advanced (2121A) - 1 credit

Grade Level: 9,10

Prerequisite: English 1 and PLAN score of 19 and above; or English teacher recommendation.

This is an accelerated English course for all students wanting to improve their reading comprehension and writing skills in preparation for college. This course builds on the grammar, close reading of texts, and composition skills necessary for success in college-level course work.

English 3 (2131) - 1 credit**Grade Level: 11***Prerequisite: English 2.*

This course reviews the basic skills of grammar and emphasizes the organization of short expository essays. Junior literature is a survey of novels, short stories, poems, and plays representative of the American heritage. Students write a documented paper. Course lays the foundation for college curriculum and includes required core content for English 3.

Advanced Placement English 3–Language/Composition (2433) - 1 credit**Grade Level: 10, 11***Prerequisite: Advanced English 2 or English 2.*

This is a college-level course focusing on rhetorical skills. The course engages students in becoming skilled readers of prose from a variety of disciplines, literary periods, and rhetorical contexts. Students will also be asked to write in a variety of forms—narrative, expository, and argumentative—on a variety of subjects ranging from personal experiences to public policies and popular culture. Its purpose is to enable students to read complex texts with understanding and to write prose of sufficient richness and complexity to communicate with mature readers. Students should expect to purchase one selected book for the course. Students are required to take the AP exam at their expense. (Board Policy 09.15)

English 4 (2141) - 1 credit**Grade Level: 12***Prerequisite: English 3.*

This course stresses the writing of clear, logical essays, the expansion of vocabulary skills, the improvement of spelling and a review of grammar and usage. A senior project is a requirement for the course. Senior literature surveys some of the major classics of British literature. Course lays the foundation for college curriculum and includes required core content for English 4.

Advanced Placement English 4–Literature/Composition (2443) - 1 credit**Grade Level: 12***Prerequisite: AP English 3 or English 3.*

This course emphasizes the development of critical reading skills and writing about literature and related ideas. It is for students capable of doing college-level work while in high school. This course will survey the major works and movements of literature and complete English 4 objectives. Students enrolled in the course who meet minimum ACT requirements may opt for college credit for ENG 101 and/or ENG 161. Students in the class may be required to purchase one textbook for the courses. This course has a summer reading requirement. Students are required to take the AP exam at their expense. (Board Policy 09.15)

Advanced Placement Seminar (2142) - 1 credit**Grade Level: 10, 11, 12**

AP[®] Seminar is an English elective that will focus on analytical, research, and argumentative skills necessary to be successful in other AP[®] or advanced courses. AP[®] Seminar requires students to explore academic and real-world issues through multiple points of view. Through a variety of materials — from articles and research studies to philosophical texts — students will explore complex questions, understand and evaluate opposing viewpoints, interpret and synthesize information, and defend their own points of view. During the course students will complete a team project and an individual paper and presentation. Students are required to take the AP[®] Exam at their own expense (Board Policy 09.15). This course is a pre-requisite for AP[®] Research.

AP Research/Capstone (2143) - 1 credit**Grade level: 11, 12***Prerequisite: AP Seminar.*

This course allows students to explore in-depth on an academic topic, problem or issue of their individual interest through a year-long research project. Students will develop a research question and respond to it through research, planning and designing an 4000-5000 word research paper. Practice will focus on research methodology, application of ethical research practices and analysis and synthesis of information to defend a position. Students will present their final paper in a 15-20 minute oral defense to a panel of school scorers. The research paper and the presentation materials will be submitted to the College Board for possible college credit. Students are required to take the AP exam at their expense. (Board Policy 09.15)

English 102 (2444) - 1 credit**Grade Level: 12***Prerequisite: Successful completion of 1st semester of AP English 4/ENG 101 and ACT English score of 18.*

This college-level course continues the emphasis on critical reading skills and argumentative writing in preparation for college. Students in the class may be responsible for textbooks and tuition not covered through the KHEAA dual credit scholarship or KCTCS dual credit tuition agreement for this course.

Intro to Journalism Arts (2451) - 1 credit**Grade Level: 9, 10, 11, 12**

This elective course includes the social effects of mass communications, the history of mass media, and a variety of elements including a study of radio, TV, advertising, reporting, news writing, photojournalism, and broadcast. It is the prerequisite to Journalism 2 and TV/Media 2.

Journalism 2 (2454) - 1 credit**Grade Level: 10, 11, 12**

Prerequisite: Intro to Media and media teacher approval.

This elective is for students who have taken Intro to Media and would like to produce the school news website. It includes a closer examination into journalism including newspaper reporting, news writing, photojournalism, and desktop publishing using Photoshop and other publishing software.

Journalism 3 (2455) - 1 credit**Grade Level: 11, 12**

Prerequisite: Journalism 2 and media teacher approval.

This elective is for students who have taken Journalism 2 and want to continue production on the school news website. It includes a more extensive study of news writing, photojournalism, and desktop publishing using software.

Digital Storytelling (Fall) .5 credit (2457) /Digital Storytelling (Spring) .5 credit (2458)**Grade Level: 9, 10, 11, 12**

Students will learn how to express literary ideas through the creation of multimedia. Digital tools such as cameras, microphones, and editing applications will be used to help students learn how to create digital content that develops an appreciation for the digital arts and a deeper understanding of literacy skills.

Sports Journalism (Fall) .5 credit (2459)/Sports Journalism (Spring) .5 credit (2460)**Grade Level: 10, 11, 12**

This class will develop student communication skills through the journalism arts. Through that development, students will have opportunities to be involved in reporting on school sporting events through blogging and social media, creating media guides for each sport season (fall, winter, and spring), producing and hosting a sports media day at the beginning of each season, and partnering with local media.

Yearbook 1 (2481) - .5 credit**Grade Level: 10, 11**

Prerequisite: English teacher recommendation and yearbook sponsor approval. Applications must be submitted.

This course is designed to provide students with a practical application of computers, incorporating photography, copy, layout, and data processing. The students will produce the school yearbook, the Countiana.

Yearbook 2 (2482) - .5 credit**Grade Level: 10, 11, 12**

Prerequisite: Yearbook 1 and yearbook sponsor approval. Applications must be submitted.

This course is designed to provide students with a practical application of computers, incorporating photography, copy, layout, and data processing. The students will produce the school yearbook, the Countiana.

Viewing/Reading Mysteries (2491) - .5 credit**Grade Level: 9, 10, 11, 12**

This elective will explore the world of mysteries in novels, short stories, and films. Students are taught an appreciation of mysteries as a literary genre and complete a number of writing assignments (open-response questions, topics related to writing portfolio divisions, etc.)

Introduction to Philosophy (2492) - .5 credit**Grade Level: 11, 12**

This course is designed for juniors and seniors who have experienced considerable success in English and want a more challenging elective, college-prep course, particularly for those considering Pre-Law. Students who choose this course must be prepared to spend a great deal of time outside of class reading and writing. The reading consists of major philosophers such as Aristotle, Descartes, Sartre, and Socrates. The writing includes all types of compositions.

Film Appreciation (2493) - .5 credit**Grade Level: 10, 11, 12**

This class will provide a written and visual account of the basics of film appreciation by offering insight into contemporary and classic movies. The course will expand students' appreciation of film making. In order to sharpen students' film literacy skills, we will study how to evaluate films and how professional critics review films. The class will employ open-response questions, portfolio-guided writing assignments, on-demand writings, tests, and discussion to further enhance students' skills. Assessments will be application and project-based.

Creative Writing (2494) - .5 credit**Grade Level: 10, 11, 12**

This elective requires students to write short stories, poetry, dialogue, essays, science fiction, etc. Students will also read selected writers to understand different styles of writing.

Poetry (2498) - .5 credit**Grade Level: 10, 11, 12**

Prerequisite: submission of 3 poems, "C" or better grade in current or last English class.

This elective will help students create a collection of proficient or distinguished poems and introduce students to poets/poems they might not encounter otherwise. As an end result of the course, students will be taken through the process of submitting poetry for publication

Basic Public Speaking (2497) - 1 credit**Grade Level: 12**

Prerequisite: ACT Reading Score of 20

This course is a dual credit course taught by a college professor. Students will be required to purchase a textbook and pay any tuition expenses not covered by the KHEAA dual credit scholarship or KCTCS dual credit agreement. This course is designed to give the student platform experience in the fundamentals of effective speaking. The student will receive 3 college credit hours upon passing this course. This course is COM 181 in the KCTCS system.

MATHEMATICS

Algebra Lab (taken with Algebra 1) (3100) - 1 credit**Grade Level: 9**

Required for any freshman who has multiple pieces of data that predict difficulty becoming college-ready in math. Placement decision is made by the district math coordinator. College readiness in math is the expectation for all students. Students will get additional time for Algebra Concepts required standards. Students will work to remediate prerequisite standards that have not been mastered. Students will work on additional ACT-type questions and assessments to better prepare students for the ACT math test. This course should never be taken by any student who already has scored a 19 on the math section of the ACT.

Algebra 1 (3103F) - 1 credit**Grade Level: 9**

See page 19 for sequencing and full description. High School Algebra 1 Content. Students will represent relationships mathematically, develop fluency in writing, interpreting expressions and equations, translating between various forms of linear equations, and solving linear equations. Students will understand laws of exponents to solve simple exponential equations, function definition and notation, construct linear and exponential graphical representations, perform arithmetic operations on inequalities, interpret functions and factor quadratic and cubic expressions and more.

Algebraic Data and Measurement (3108) - 1 credit**Grade level: 10**

Prerequisite: Passed Algebra 1.

This course follows Algebra 1 with extended topics in Algebra. These include statistics, probability, modeling and summarizing and representing and interpreting data and making inferences, justifying conclusions representing linear, quadratic and exponential relationships and modeling descriptively and analytically.

Algebraic Data and Measurement Advanced (3108A) - 1 credit**Grade level: 9**

Prerequisite: Passed Algebra 1 Advanced.

This course follows Algebra 1 Advanced with extended topics in Algebra. These include statistics, probability, modeling and summarizing and representing and interpreting data and making inferences, justifying conclusions representing linear, quadratic and exponential relationships and modeling descriptively and analytically.

Geometry (3120) - 1 credit**Grade Level: 11**

Prerequisite: passed Algebra 1 and Algebraic Data and Measurement.

This course is designed to provide a study of geometric concepts required for college and career readiness. Its emphasis is on intuitive development of properties and relationships, on practical applications.

Geometry Advanced (3121) - 1 credit**Grade Level: 9, 10**

Prerequisite: Algebra 1-Advanced and Algebraic Data and Measurement-Advanced both with a "C" or better.

This is a proof-based course that will include applications of geometric relationships and principles. Students will formally prove theorems and postulates used in the course. Concepts of space and plane geometry are integrated. Strong algebraic

skills are essential and expected. In addition, topics of trigonometry, area and volume, and coordinate geometry are covered.

Algebra 2 (3113) - 1 credit

Grade Level: 12

Prerequisite: passed Algebra 1, Algebraic Data and Measurement and Geometry.

This course is for students who have scored below 19 on the math portion of the ACT. See page 17 for sequencing and full description.

Algebra 2 with Pre-College Algebra (3113CO) - 1 credit

Grade Level: 11, 12

Prerequisite: passed Algebra 1, Algebraic Data and Measurement and Geometry.

This course is for students who have scored 19, 20, or 21 on the math portion of the ACT. See page 17 for sequencing.

Algebra 2 with Pre-Calculus (3113CA) - 1 credit

Grade Level: 10, 11, 12

Prerequisite: passed Algebra 1-Advanced, Algebraic Data and Measurement-Advanced and Geometry-Advanced with a "C" or better.

This course is designed for students who have demonstrated a high level of understanding and proficiency in algebra. All students in this course must have a 22 on math ACT or PLAN. After completing this course, students will be prepared for AP Calculus AB. See page 17 for sequencing and full description.

Dual Credit College Algebra (MAT 150) (3431) - 1 credit

Grade Level: 12

Prerequisite: Algebra 2 with Pre-Calculus and Math ACT score of 22.

This course will be taught at HCHS during one period in the fall semester. Selected topics in algebra and analytic geometry will be covered. This course will develop manipulative skills and concepts required for further study in mathematics. Includes linear, quadratic, polynomial, rational, exponential, logarithmic, and piece wise functions; systems of equations and inequalities; and introduction to analytic geometry. The student is responsible for purchasing a textbook and paying tuition to the college for this course that available scholarships and waivers do not cover. The student will receive three hours of credit for MAT 150 upon completion of this course.

HCHS College Algebra and Functions (3425) - 1 credit

Grade Level: 12

Prerequisite: Algebra 2 with Pre-Calculus and Math ACT score of 22.

This course will be taught at HCHS and is for students who choose to take College Algebra but do not want dual credit with a Community College. Selected topics in algebra and analytic geometry will be covered. This course will develop manipulative skills and concepts required for further study in mathematics. Includes linear, quadratic, polynomial, rational, exponential, logarithmic, and piece wise functions; systems of equations and inequalities; and introduction to analytic geometry.

Trigonometry (3432) - 1 credit

Grade Level: 12

Prerequisite: Dual Credit College Algebra and Functions (MAT 150) and student meets established entrance criteria by a local Community College. The student is responsible for purchasing a text-book and paying tuition to the college for this course that available scholarships and waivers do not cover. This standard college Trigonometry course 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. The student will receive three credit hours for MAT 155 upon completion of this course.

Advanced Placement Calculus-AB (3440) - 2 credits

Grade Level: 11, 12

Prerequisite: Algebra 2 with Pre-Calculus.

This college-level course will further develop a student's knowledge of college-preparatory mathematics, including algebra, trigonometry and analytic geometry. Differential and integral calculus will be studied. Taking this course will provide a student with a high school mathematics background that should make him/her ready for a college Calculus course. Students may receive dual credit through Henderson Community College by taking this course. Students are required to take the AP exam at their expense. (Board Policy 09.15)

Advanced Placement Calculus-BC (3441) - 1 credit

Grade Level: 12

Prerequisite: A passing grade on the AP Calculus-AB exam.

This course is intended for students who have taken AP Calculus-AB their sophomore or junior year and successfully passed the AB exam. This course will follow the curriculum established by the College Board and prepare students for the Calculus-BC examination. Students are required to take the AP exam at their expense. (Board Policy 09.15)

Advanced Placement Statistics (3436) - 1 credit**Grade Level: 11, 12***Prerequisite: Algebra 1, Algebra 2, and Geometry.*

This college level course will introduce students to major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will be exposed to the following four broad themes: exploring data, planning a study, anticipating patterns, and statistical inference. Students are required to take the AP exam at their expense. (Board Policy 09.15)

Advanced Placement Computer Science A (3443) - 1 credit**Grade Level: 10, 11, 12***Prerequisite: Algebra 1 and math teacher recommendation.*

This college level course emphasizes object oriented programming methodology with an emphasis on problem solving and algorithm development. Students will learn the computer language of JAVA. Students should possess strong reading skills and have access to a home computer. Students are required to take the AP exam at their expense. (Board Policy 09.15)

Advanced Mathematical Problem Solving (AMPS) (3444) - 1 credit**Grade Level: 9, 10, 11, 12**

This course is a math elective for advanced students or students who just love to think. The theme of the class will be problem solving in a variety of contexts. Topics will include mathematical logic, chess, basic number theory, Rubik's cube solving, mathematical analysis of art, calculation of various game probabilities, and encryption and decryption techniques.

Agricultural Math (7476) - 1 credit**Grade Level: 12***Prerequisite: Principles of Agriculture and completion of, or concurrent enrollment in, two additional agriculture classes within the same pathway and Algebra 2.*

This course is a math elective for students who have completed courses containing all the required high school Kentucky Academic Standards (KAS) for Mathematics. This course is designed to emphasize high school math content by utilizing agricultural education as the content for delivering math concepts beyond what was addressed in the student's foundational courses. Agricultural math does not count towards the completion of an Agricultural Education pathway.

SCIENCE

Integrated Physical Science (IPS) (4103) - 1 credit**Grade Level: 9**

This course introduces major earth/space and physics concepts. Concepts include, but may not be limited to, geology, weather, space, force and motion, and energy transformations.

Integrated Physical Science-Advanced (4103A) - 1 credit**Grade Level: 9***Prerequisite: Established entrance requirements.*

This course is designed to foster a high level of engagement, challenging and rigorous standards in preparation for advanced classes. This course introduces students to major earth/space and physics concepts necessary to go on to more advanced classes. This will be a more in-depth study of the earth and space sciences and physics, especially the core content areas for science assessment. The course will be supplemented with additional materials by the instruction, and there will be some required research activities.

Biology (4100) - 1 credit**Grade Level: 10***Prerequisite: IPS.*

Students develop a conceptual understanding of life science, as outlined in Kentucky's Program of Studies, through the use of scientific inquiry. They experience life science concepts such as the cellular organization; molecular basis of heredity; biological change; interdependence of organisms; matter, energy and organization in living systems; and behavior organisms. A scientific inquiry approach uses concrete, hands-on experiences that require students to apply critical thinking skills.

Biology-Advanced (4100A) - 1 credit**Grade Level: 10***Prerequisite: IPS and established entrance criteria.*

This course allows students to attain all the concepts contained in the description for Biology, with the opportunity provided for students to progress at a faster pace. The course will be supplemented with additional materials by the instructor, and there will be some required research activities.

Agri-Biology (4200) - 1 credit**Grade Level: 10***Prerequisite: IPS. This course meets the Biology requirement for graduation.*

Agri-Biology uses agricultural contexts to present the life science core content outlines for assessment, as outlined in the

program of studies. As students study practical agricultural concepts, they apply scientific ways soft hiking and working to real-life problems. During their study of agri-biology, students perform many practical tasks. They create models, extract DNA, analyze DNA fingerprints, and construct tables and graphs to classify and analyze, and test soils. Students develop an understanding of many concepts such as cell structure and function, morphology and physiology of agriculturally significant animals, heredity principles and inheritance patterns, genetic engineering, animal behavior, biological change, interdependence of plants and animals, and the flow of matter and energy through ecosystems. An agriculture teacher and a science teacher work together in planning this course. This course does not meet NCAA core curriculum requirements.

Advanced Placement Biology (4413) - 1 credit

Grade Level: 10,11,12

Prerequisite: AP Environmental Science or Biology and teacher approval.

This college-level course is for students who desire to continue their education in the field of biological science. Major emphasis on DNA, genetics, and enzyme activity. Research and laboratory experiences are an integral part of this class. Students must take the AP exam at their expense. (Board Policy 09.15)

Chemistry (4121) - 1 credit

Grade Level: 11

Prerequisite: IPS.

This course offers students general laboratory experiences and activities in the concepts of the chemical interaction of matter. Direct application of concepts is used to stress the importance of chemistry in everyday life.

Chemistry-Advanced (4121A) - 1 credit

Grade Level: 11

Prerequisite: IPS, Algebra 1 and student meets established entrance requirements.

This course offers fundamental chemistry principles and concepts, along with general laboratory practices. This is the suggested chemistry course for students who plan to take AP Chemistry and is recommended for those who may pursue a career in science, engineering, and medically related fields.

Chemistry 2 (4123) - 1 credit

Grade Level 12.

Prerequisite: Chemistry or Advanced Chemistry.

This course will address concepts in a first year college chemistry course with an emphasis on lab experiences. This class is designed to serve students interested in a science or medical field but not planning to major in chemistry in college. Students will study structure of matter, chemical kinetics, solution chemistry and advanced lab techniques.

Advanced Placement Chemistry (4122) - 1 credit

Grade Level: 11, 12

Prerequisite: Algebra 1 and Chemistry or Advanced Chemistry.

This college-level chemistry course is designed to complete the requirements needed for success on the AP Chemistry exam and to meet the requirements for general college chemistry at the university level, giving students a strong foundation in matter and its interactions with energy. The course is designed to include a laboratory component. Students must take the AP exam at their expense. (Board Policy 09.15)

Advanced Placement Environmental Science (4420) - 1 credit

Grade Level: 9,10, 11, 12

This is an introductory college-level course for environmental science. During this class, students will learn about relationships of the natural world, analyze environmental problems, evaluate risks of these problems, and examine alternative solutions to the problem. The course is designed to include a large laboratory and field investigation component. Students must take the AP Exam at their expense. (Board Policy 09.15)

Anatomy/Physiology (4417) - 1 credit

Grade level: 11, 12

Prerequisite: Biology.

This course emphasizes instruction concerning the structure, function and terminology of the major systems of the human body. Instruction progresses at an accelerated rate and involves detailed anatomical/physiological lectures, experiments, demonstrations, and audio-visual materials. This class is beneficial to college-bound students pursuing careers such as physical therapists, nurses, lab technicians, radiological technicians, dentists, veterinarians, and medical doctors.

Physics (4426) - 1 credit

Grade level: 10, 11, 12

Prerequisite: Algebra 1.

This course offers students general laboratory experiences and activities in the concepts of the physical interactions of matter and energy. Direct application of concepts is used to stress the importance of physics in everyday life.

Advanced Placement Physics 1 (4430) - 1 credit**Grade level: 10, 11, 12**

This course is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electric circuits. The AP Physics 1-2 sequence provides a foundation for those who wish to work in a career that requires some knowledge of physics (e.g. doctor, dentist, physical therapist, architect, geologist). Those students desiring to become an engineer of physics major should also take AP Physics C: Calculus based. Students are required to take the AP exam at their expense. (Board Policy 09.15).

Advanced Placement Physics C (Mechanics) (4429) - 1 credit**Grade level: 10, 11, 12**

Prerequisite: Completed or currently enrolled in AP Calculus AB.

This college-level course provides instruction on Newtonian mechanics. Calculus is used wherever appropriate in formulating physical principles and in applying them to physical problems. This course provides a necessary foundation for students majoring in physics or engineering. Students are required to take the AP exam (Physics C: Mechanics) at their expense. (Board Policy 09.15). This course will be offered every other year starting with 2021-2022.

Astronomy (4442) - .5 credit**Grade level: 10, 11, 12**

This elective course is an introductory course that covers interesting topics such as stars, black holes, galaxies, the sun, planets, comets, asteroids, meteoroids, our moon, the earth's rotation and revolution, seasons on Earth and use of a celestron telescope. Several nighttime and daytime telescope observations will be conducted.

Meteorology (4443) - .5 credit**Grade level: 10, 11, 12**

This elective course will include a discussion of topics such as global wind patterns, thunderstorms, tornadoes, hurricanes and local climate. Outside observations will be made as often as possible and local weather conditions will be monitored and displayed. Special topics include the study of greenhouse gases, air pollution, acid rain, ozone destruction, global warming and wind shear.

Forensic Science (4419) - .5 credit**Grade level: 10, 11, 12**

This course will survey a variety of forensic techniques utilizing basic concepts of biology, physics, earth space science, and chemistry. Areas of study will include analysis of the following: glass, soils, hair and fiber, chromatography, blood (simulated only)/DNA, materials/chemicals, and crime scenes. Guest speakers will be present.

Zoology (4416) - .5 credit**Grade level: 10, 11, 12**

This course is designed to give students a greater understanding of the animal kingdom. It is designed to give students a comparison of animal life from the least complex to the most complex. There will be dissection which will enable students to observe first-hand the development of various systems in the animal kingdom.

SOCIAL STUDIES

World Civilizations (5101) - 1 credit**Grade level: 9**

This course is the study of the major nations of the world from 1500 to modern times, with emphasis on western cultures and their development in government, religion, economy and the arts. A study of world civilizations helps students understand the forces which have shaped the past are similar to those that shape the world in which they live and to those which will determine the future.

World Civilizations-Advanced (5102) - 1 credit**Grade level: 9**

Prerequisite: Student must meet established entrance criteria.

This course is the study of the major nations of the world from 1500 to modern times, with emphasis on western cultures and their development in government, religion, economy and the arts. A study of world civilizations helps students understand the forces which have shaped the past are similar to those that shape the world in which they live and to those which will determine the future. This course is highly recommended as a foundation for high school students who plan to take rigorous Advanced Placement courses in Social Studies and who are college bound.

Civics/Economics (5103)- 1 credit**Grade level: 10**

Prerequisite: World Civilizations.

This course will be divided into four parts: government, economics, geography, and civic participation. The first nine weeks

(government) will involve types of government with special emphasis on United States government. The second nine weeks (economics) will cover the types of economic systems with special emphasis on US economy as compared to other countries. The third nine weeks (geography) will cover an interdependent world and globalization. The fourth nine weeks (civic participation) will cover how the three areas discussed during the year rely on civic participation.

Advanced Placement United States Government (5405) - 1 credit

Grade level: 10, 11, 12

The goals of the AP United States Government class are for students to gain an in-depth understanding of American Government and major themes in civics. This college-level course is a study of the constitutional, economic, social and political aspects which have shaped our government. The course will follow the College Board requirements for AP United States Government as well as look at basic economic issues. This class meets the Civics/Economics requirement for graduation or can be taken as an elective course. Students are required to take the AP exam at their expense. (Board Policy 09.15)

United States History (5106) - 1 credit

Grade level: 11

Prerequisite: Civics/Economics.

This required course is a survey of American history with emphasis on the nineteenth and twentieth centuries. The major purpose is to relate present events with the past and to predict movements, trends and cycles for the future.

Advanced Placement United States History (5408) - 1 credit

Grade level: 11

This college-level course will provide a comprehensive in-depth study of the political, economic, social and cultural history of the United States. The primary focus of this course is to prepare students for success on the US History AP test. The class meets the US History requirement for graduation. Students are required to take the AP exam at their expense. (Board Policy 09.15)

Psychology (5404) - 1 credit

Grade level: 10, 11, 12

Have you ever wondered why people behave the way they do? Can a person live a normal life with only half a brain? Is there really such a thing as ESP? What makes some people become serial killers and others good Samaritans? How does hypnosis work? Why do I have such crazy dreams? How can I improve my memory? What makes us fall in love? This course will explore human behavior through the following topics: memory, emotion, personality, neuroscience, sensation and perception, states of consciousness, abnormal psychology, and mental disorders. Disorders to be examined include temporary disturbances, personality disorders, depression, bipolar depression, schizophrenia, autism, Tourette's, multiple personality disorder, mental retardation, and drug and alcohol addiction.

Advanced Placement Human Geography (5414) - 1 credit

Grade level: 9, 10, 11, 12

This college level course introduces students to the systematic study of patterns and processes that have shaped human understanding, use and alteration of Earth's surface. Students will employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They will also learn the methods and tools geographers use in their science and practice. Students are required to take the AP exam at their expense. (Board Policy 09.15)

Sociology (5401) - 1 credit

Grade level: 10, 11, 12

This course is designed to provide the student with a knowledge of the areas, language and theories of sociology. Many facets of group behavior, including personality development, psychological needs and defense mechanisms, cultural similarities and differences, social class structure and mass-media are emphasized. Social concepts involved in the creation of and solutions to such problems as crime, juvenile delinquency, child abuse, suicide, divorce, and alcohol and drug abuse are emphasized. Special attention is given to mental disorders, use and abuse of drugs, sexual deviance, crime and delinquency, problems of youth and the family in contemporary society, institutional aspects of inequality, prejudice and discrimination, and population and environmental concerns.

Advanced Placement Psychology (5413) - 1 credit

Grade level: 10, 11, 12

The goal of this college-level course is to increase the understanding of psychology, its methods, theory and research, with the objective that each student passes the Advanced Placement exam. The course will explore psychological facts, principles, and phenomena associated with each of the major sub fields of psychology. Students will also learn about the methods of psychologists use in their science and practice. AP Psychology is the equivalent to an introductory college level course. It is hoped that knowledge of psychological inquiry will provide perceptions of the world around us, insight into one's own and others' behaviors, and an appreciation of the complexity of human behavior. Students are required to take the AP exam at their expense. (Board Policy 09.15)

Advanced Placement European History (5402) - 1 credit**Grade level: 9, 10, 11, 12**

The goals of this college-level course are for students to gain knowledge of basic chronology and of major events and trends from approximately 1450 to the present and to develop an understanding of some of the principle themes in modern European history, an ability to analyze historical evidence, and an ability to analyze and express historical understanding in writing. This course is a study of the political, economic, social and cultural events, trends and influences of European history. Students are required to take the AP exam at their expense. (Board Policy 09.15)

Advanced Placement Microeconomics (5409) - 1 credit**Grade level: 10, 11, 12**

Through this course students will gain an understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. Microeconomics places primary emphasis on the nature and functions of product markets and includes the study of factor markets and the role of government in promoting greater equity in the economy. The course will cover the following topics: basic economic concepts, the nature and function of product markets, factor markets, and market failure and the role of government. Students are required to take the AP exam at their expense. (Board Policy 09.15)

Advanced Placement Art History (6428) - 1 credit**Grade level: 9, 10, 11, 12**

This course is a survey of art history and will engage students at the same level as an introductory college art history course. This course will involve critical thinking and an understanding and knowledge of diverse historical and cultural contexts of architecture, sculpture, painting, and other media. In this course, students will examine and critically analyze major forms of artistic expression from the past and the present from a variety of cultures. Visual analysis is a fundamental tool of the art historian and art history emphasizes understanding how and why works of art function in context, considering such issues as patronage, gender, and the functions and effects of works of art. Students are required to take the AP exam at their expense. (Board Policy 09.15)

College Studies and Inquiry (5400) - 1 credit**Grade level: 9, 10, 11, 12**

Although this course can be taken any academic year, it is ideally designed for the average first-time Advanced Placement social studies student and can be only taken once throughout high school. This course is designed to help students master the best application of key concepts, specific skills and “habits of mind” necessary for successful participation in current and subsequent AP courses. The course will teach and reinforce crucial skills in reading, writing, vocabulary, studying and test taking. This course is highly recommended for the first-time AP student but is not a requirement and will only count as an elective course with no weighted grades.

Law and Justice (5419) - .5 credit**Grade level: 9, 10, 11, 12**

This course is a general review of the origins of our laws. The class will examine the laws that most effect students today. It will review basic Constitutional Law and the important Supreme Court decisions that affect our rights and freedom today. Students will also learn about legal procedures, and the class will culminate mock trials.

Eyes on the Prize (5425) - .5 credit**Grade level: 9, 10, 11, 12**

This course is a study of the struggle for equality by minorities in the United States, especially concentrating on radicalism of the 1960s and the modern civil rights movement.

World War II Germany (5437) - .5 credit**Grade level: 9, 10, 11, 12**

This course focuses on the rise and fall of Nazi Germany and an overview of the German people and their history. There will be a study of the military and political struggles that took place both in the European and Pacific Theaters of war.

Abnormal Psychology (5403) - .5 credit**Grade level: 10, 11, 12**

Students will explore human development from infancy to old age. This class will focus on biological, social, and psychological factors influencing a person’s development through time. Students will examine various developmental theories and analyze their own personality development. In the second part of the class, students will explore abnormal behavior/psychology. Students will examine classifications of disorders, such as personality disorders, anxiety disorders, mood disorders, and schizophrenia.

Community Involvement A-Fall Semester (5418A) - 1 credit**Grade level: 12**

Prerequisite: C average or 2.0 GPA with no major discipline notices and social studies teacher approval.

This is an elective course for students interested in volunteerism and human services. The student will volunteer a maximum

of 3 days a week and will change volunteer placements every 6 weeks within the community. Placements could include Audubon State Park, Matthew 25, and the Chamber of Commerce, and other various Henderson locations. The course will also include guest speakers and other classroom activities, including career exploration in the Human Services field and learning about the helping process. Students must provide their own transportation to volunteer sites and must have a parking permit at HCHS. Students must complete an application at the time of scheduling and turn it in to Mrs. Stovall.

Community Involvement B-Spring semester (5418B) - 1 credit

Grade level: 12

Prerequisite: C or better in Community Involvement A or 2.0 GPA; no major disciplines; social studies teacher approval.

This is an elective course for students interested in volunteerism and human services. The student will volunteer a maximum of 3 days a week and will change volunteer placements every 6 weeks within the community. Placements could include Audubon State Park, Matthew 25, and the Chamber of Commerce, and other various Henderson locations. The course will also include guest speakers and other classroom activities, including career exploration in the Human Services field and learning about the helping process. Students must provide their own transportation to volunteer sites and must have a parking permit at HCHS. Students must complete an application at the time of scheduling and turn it in to Mrs. Stovall.

History & Literature of Biblical Era: Hebrew Scriptures and the New Testament (5406) - .5 credit

Grade level: 9, 10, 11, 12

This course focuses on the historical impact and literary style from texts of the New Testament era, including the Hebrew Scriptures. Topics may include historical background and events of the time period, the customs and cultures of the peoples and societies, and the influence of the texts on law, history, government, literature, art, music, customs, morals, values, culture, and events, including recent and current events.

FINE ARTS

Introduction to Visual Art (6419) - 1 credit

Grade level: 9, 10, 11, 12

Students develop the knowledge to create individual works of art and provide a discussion and exploration of career opportunities in the art world. Students examine the language, materials, media and process of a particular art form and the elements of art and principles of design supporting a work of art. While focusing on creation of art and developing a student's own artistic style, it will also include the study and analysis of major artists, art movements, and styles. This course is for students experiencing art for the first time.

Sculpture 1 (6420A) - 1 credit

Grade level: 9, 10, 11, 12

Sculpture courses promote creative expression through three-dimensional works. Students explore real and abstract sculpture through subtractive (carving), additive (modeling), and assemblage techniques in one or more media. Students will produce real and abstract sculptures incorporating the elements of art and principles of design. A study of historical and contemporary sculpture and sculptors from a world-wide perspective and practice in the critique process.

Sculpture 2 (6420B) - 1 credit

Grade level 10, 11, 12.

Prerequisite Sculpture 1 and teacher recommendation.

A continuation of Sculpture 1 in practice and study of established sculpture and sculptors. This course is for students who are comfortable working independently.

Art 1 (6421) - 1 credit

Grade level: 9, 10, 11, 12

This course provides students with knowledge and opportunities to experience a variety of art forms and create individual works of art at a proficient level. Students will learn about the elements and principles, language, materials and processes used to produce various kinds of visual arts. Students will begin to develop their own creative styles and learn about the production of art, study of structures, purposes of art, careers in art and art history. Emphasis is placed on creating, presenting, responding and connecting. This course is designed for students who have prior experience in art or an interest in pursuing further art instruction.

Art 2 (6422) - 1 credit

Grade level: 10, 11, 12

Prerequisite: Art 1 with art teacher recommendation.

This elective course provides students the ability to begin to determine and produce artworks in a specialization of choice in art. Students will use elements and principles, language, materials and processes to produce various kinds of visual arts at an accomplished level. Students will continue to develop their own creative styles. Students will continue to learn about

the production of art, study of structures, purposes of art, careers in art and art history. Emphasis is placed on creating, presenting, responding and connecting.

Art 3 (6423) - 1 credit

Grade level: 11, 12

Prerequisite: Art 2 with art teacher recommendation.

This elective course provides students with the abilities to expand and produce artworks that reflect the specialization of choice in art. Students will use the elements and principles, language, materials and processes to produce artworks at an advanced level. Students will begin to refine their own creative styles. Students will continue to learn about the production of art, study of structures, purposes of art careers in art and art history. Emphasis is placed on creating, presenting, responding and connecting.

Art 4 (6424) - 1 credit

Grade level: 12

Prerequisite: Art 3 with art teacher recommendation.

This elective course offers the student the opportunity to create a professional body of work at an advanced level that reflects personal style. Students will continue exploring elements, principles, composition and art history to create and inform their own artwork. Students will create a professional portfolio showcasing their own work.

Advanced Placement Art and Design Program (6449) - 1 credit

Grade level: 10, 11, 12

Prerequisite: Art 1 or Art 2 with art teacher recommendation.

The AP Art and Design Program includes three different courses that students will choose from: AP 2-D Art and Design, AP 3-D Art and Design, and AP Drawing. Students will investigate materials, processes and ideas. Students will also make works of art and design by practicing, experimenting and revising, and will communicate ideas about art and design through written and visual expression. Students will work toward developing a comprehensive AP portfolio that reflects the following three components: quality, concentration, and breadth. Students are required to take the AP exam at their expense. (Board Policy 09.15)

Advanced Placement Art History (6428) - 1 credit

Grade level: 9, 10, 11, 12

This elective course is designed to parallel college-level Art History courses. AP Art History provides opportunity for students to critically examine architecture, sculpture, painting, and other art forms within their historical and cultural contexts. In covering the art of several centuries (not necessarily in chronological order), students learn to identify different styles, techniques, media, and influences and to formulate and articulate their reactions to various kinds of artwork. Students are required to take the AP exam at their expense. (Board Policy 09.15)

SoFA Studio Art (6437) - 1 credit

Grade level 9, 10, 11, 12

Prerequisite: Must be admitted to SOFA.

This is a studio art course in drawing, painting, printmaking, and sculpture. Students are required to participate in studio drawing, painting, printmaking, and sculpture in order to build a foundation for understanding relationships and personal expression. Students will employ a variety of materials and techniques unique to creating expressive images and objects. Students in SOFA must take this class each year and will work toward completion of their Capstone Project Presentation, which will be presented in grade12. Arts as a Business is also embedded into this course for the purpose of preparing students to work in the art world after high school.

Piano/Keyboarding (6399) - 1 credit

Grade level: 9, 10, 11, 12

Students will learn about the notes on the piano and about how to read rhythms and pitches on the staff. They will leave the course able to play simple songs, read a chord chart, accompany themselves or others, and read beginner-level piano music.

Preparatory Music Theory/College Readiness in Music Theory (6413) - 1 credit

Grade level: 10, 11, 12

Prerequisite: Must be concurrently enrolled in a band or choir class and teacher recommendation.

This class is a requirement for instrumental and vocal students to be College and Career Ready in Music, as well as a prerequisite for Advanced Placement Music Theory. Half of course will focus on beginning and intermediate fundamentals of music theory. The other half will focus on skills and information needed for students interested in pursuing a degree in music or continuing as a musician at a college or university. Topics to be studied include careers and degrees available to music majors, research of schools with music programs available, and a study of the requirements of a college audition and how to prepare for one. Students in this class are required to audition for All-District/All-State Band and Choir, as well as the Governor's School for the Arts. This course will be offered alternating years beginning with 2021-22.

Advanced Placement Music Theory (6409) - 1 credit**Grade level: 10, 11, 12***Prerequisite: Preparatory Music Theory/College Readiness in Music Theory and teacher recommendation.*

This course will provide students with an in-depth study of the written and aural theories of music, including: learning musical language and grammar with emphasis on note-reading and harmonic analysis, extensive work on music listening, error detection, and dictation skills, developing sight-reading strategies and ability level, recognizing the development of music through history and culture, and how modern music has been influenced by the past. Students are required to take the AP exam at their expense. (Board Policy 09.15). This Course will be offered alternating years beginning with 2022-2023.

Concert Band (6401) - 1 credit**Grade level: 9, 10, 11, 12***Prerequisite: Teacher recommendation.*

This class is designed for students who have only a few years of experience in performing with their chosen instrument or those who skills have not progressed as fast as their years of experience. It is also ideal for students starting an instrument for the first time, or experienced students who wish to learn a secondary instrument. The course teaches basic instrumental concepts and music fundamentals through group performance. An ensemble of wind players is organized to study, rehearse, and perform the repertoire that is appropriate for this level of musicianship. A modest band fee will be collected in the fall. A small amount of after school rehearsal is required of the class, as is membership in the HCHS Pep Band, performing at approximately five home basketball games. The Concert Band will perform approximately four concerts annually, as well as traveling to an adjudicated event each spring.

Beginner's Band (6416) - 1 credit**Grade level: 9, 10, 11**

This course is for students who didn't join band in middle school and would like to join at the high school level. This is a course in general band that is designed to promote students' technique for playing Brass, Woodwind, and Percussion instruments and cover a variety of band literature style (e.g., Concert, Marching, Orchestral, and Modern) primarily for performances and also include experiences in creating and responding to music. This course teaches students the appropriate care, handling, and maintenance of musical instruments. Marching activities may be included for a portion of the year.

Symphonic Band (6403) - 1 credit**Grade level: 9, 10, 11,12***Prerequisite: Audition and teacher recommendation.*

This class is designed for students who perform at an intermediate level on their chosen instrument. The course teaches intermediate instrumental concepts and music fundamentals through group performance. An ensemble of wind players is organized to study, rehearse, and perform the repertoire that is appropriate for an intermediate level of musicianship. A modest band fee will be collected in the fall. A small amount of after school rehearsal is required of the class, as is membership in the HCHS Pep Band, performing at approximately five home basketball games. The Symphonic band will perform approximately four concerts annually, as well as traveling to an adjudicated event each spring.

Wind Ensemble (6408) - 1 credit**Grade level: 9, 10, 11, 12***Prerequisite: Audition and teacher recommendation.*

This class is designed for students who have advanced musical skills and perform at the highest level on their chosen instrument, as demonstrated through a required audition. Each instrument will have a limited number of performers for this ensemble. The course teaches advanced instrumental concepts and music fundamentals through group performance. An ensemble of wind players is organized to study, rehearse, and perform advanced high school and college-level repertoire. A modest band fee will be collected in the fall. After school rehearsal is required of the class, as is membership in the HCHS Pep Band, performing at approximately five home basketball games. The Wind Ensemble will perform approximately four concerts annually, as well as traveling to adjudicated events each spring. As the most advanced instrumental ensemble at HCHS, the group will be the first to be presented with extra performance opportunities

Jazz Band (6405) - 1 credit**Grade level: 9, 10, 11, 12***Prerequisite: Audition and teacher recommendation.*

This course will explore the theory, history, and techniques of the instrumental jazz genre through performance. Students will study and perform music in a variety of styles, including swing, Latin, funk, Big Band, and more. This ensemble will perform several times throughout the year for school and community events. A modest band fee is required of all students. This group is limited to standard jazz instrumentation (saxophone, trumpet, trombone, and rhythm section,selected by audition.)

Intro to Guitar (6406) - 1 credit**Grade level: 9, 10, 11, 12**

The Henderson County High School Guitar program focuses on meeting the needs of students with various backgrounds and skill levels. Whether this is your first time holding an instrument or you've been playing for many years, Guitar will offer all students the chance to improve musically and to have fun doing it. Classroom guitars will be provided to all students, but it is recommended to invest in your own for practicing at home.

Percussive Studies (6404) - 1 credit**Grade level: 9, 10, 11, 12**

Prerequisite: Prior involvement in a band program during middle or high school and teacher recommendation.

This is the required class for all percussion instrumentalists at HCHS, of beginning, intermediate, and advanced levels of musicianship. The class teaches instrumental concepts of music fundamentals through individual and group performance on percussion instruments. Students will work toward proficiency on all concert percussion instruments (including but not limited to snare, bass, cymbals, keyboard mallets, and timpani), with the potential opportunities for drum set, marching battery instruments, world percussion, and various percussion ensembles. Guest instructors will provide additional, more intensive percussion instruction. Students will be sorted via audition into groups that perform with the Concert Band, Symphonic Band, and Wind Ensemble; expectations outlined in the course descriptions for those classes apply to percussion students placed in those respective ensembles, including the band fee and a percussion fee.

SOFA Instrumental (6436) - 1 credit**Grade level: 9, 10, 11, 12**

Prerequisite: Must be admitted to SoFA.

Students study and perform a variety of traditional styles such as traditional chamber music, and contemporary or popular styles, such as jazz and rock, while also cultivating students' technique on instruments appropriate to the style(s) performed—brass, woodwind, string, percussion instruments, and/or electronic. Courses typically range in size from 2 to 20 performers. Coursework provides students with opportunities for growth through rehearsal and performance, improvisation, or creating and performing their own compositions and also responding to music. This course teaches students the appropriate care, handling, and maintenance of musical instruments. Students will prepare solo literature and etudes specific to their instrument in anticipation of GSA auditions as well as college auditions. Students will refine instrument specific pedagogical concepts and work music in small student led ensembles. These ensembles will perform throughout the community representing HCHS and SoFA.

Men's Chorus (6410B) Treble Chorus (6446) - 1 credit**Grade level: 9, 10, 11, 12**

The Men's and Treble Choruses of Henderson County High School are the entry-level choral ensembles of the HCHS Choral Program. Both ensembles offer specific training in the art of choral music with an emphasis placed on basic musicianship and the fundamental musical skills that will propel students to success in the upper choirs of the HCHS Choral Program. These courses are open to all students, and all are invited and encouraged to participate. Students will be expected to participate in 2-3 evening performances per year.

Advanced Treble Chorus (6447) - 1 credit**Grade level: 10, 11, 12**

Prerequisite: Treble Chorus.

The Advanced Treble Choruses of Henderson County High School are the advanced-level choral ensembles of the HCHS Choral Program. This course offers specific training in the art of choral music with an emphasis placed on basic musicianship and the fundamental musical skills that will propel students to success in the HCHS Choral Program. All students who have completed Treble Chorus are invited and encouraged to participate. Students will be expected to participate in 2-3 evening performances per year.

Colonel Singers (6448) - 1 credit**Grade level: 10, 11, 12**

Prerequisite: Audition required.

The Colonel Singers are a select ensemble comprised of intermediate and advanced singers, male and female. The course covers music history, advanced music theory, foreign language diction, and advanced vocal pedagogy. Training in sight singing, choral blend, and expressivity will be greatly developed throughout the year. Ensemble members are primarily upperclassmen, and must pass an audition to be placed in this course. Students will be expected to perform in multiple performances outside of the regular school day.

SOFA Voice (6435) - 1 credit**Grade level: 9, 10, 11, 12***Prerequisite: Must be admitted to SOFA.*

Students will refine vocal techniques focusing primarily on musical literature styles such as chamber, madrigal, traditional jazz, jazz improvisation, popular, rock, barber shop, gospel, show choir and cultural. These ensembles may include both instrumental and vocal music such as a small vocal ensemble with instrumental accompaniment. Course goals include the development of solo singing ability and emphasize one or several ensemble literature styles. These ensembles include experiences in creating and responding to music. Courses are offered on multiple levels to accommodate proficiency. SOFA Voice students will gather into one class period to receive individual and group vocal instruction. Students will prepare solo vocal literature for college auditions. Students will perfect their own vocal technique, learn about the International Phonetic Alphabet, how to translate literature, and basic music theory and history. Students will also perform chamber and pop music in small ensembles.

Theatre 1 (6440) - 1 credit**Grade level: 10, 11, 12**

This elective will include a brief study of theater history. The major thrust of the course will be to dissect the various roles in the theater: playwright, director, producer, designer, costumes, and especially, the actor. A willingness to be creative and to perform in front of others is necessary.

Theatre 2 (6441) - 1 credit**Grade level: 10, 11, 12***Prerequisite: Theater 1 or teacher recommendation.*

Theater 2 is a hands-on class in which students write and produce a play. Students will take on the various roles of theater staff.

Theatre Management and Production (6442) - 1 credit**Grade level 10, 11, 12***Prerequisite: Theater 1 or teacher approval.*

This course prepares students to manage the planning, design, preparation, and production of plays and other theatrical performances. It will also include instruction in theatrical design, program management, dramatic production, rehearsal management, personnel management and casting, actor coaching, directing concepts and techniques, theater history, scene work, script interpretation, business management, marketing, public relations, and communication skills. This course may also provide a discussion of career and post-secondary placement opportunities.

Musical Theatre (6438) - 1 credit**Grade level: 10, 11, 12***Prerequisite: Theater 1 or teacher recommendation.*

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

SOFA Theatre (6434) - 1 credit**Grade level: 9, 10, 11, 12***Prerequisite: Must be accepted to SOFA.*

In this course, School of Fine Arts students will have the opportunity to explore their chosen discipline in the theatrical arts and participate in the production of a play. Students develop experience and skills in one or more aspects of theatrical production, concentrating on acting and performance skills. Students focused on script writing will refine skills to create a script suitable for theatre. Directing students will develop skills in translating a script into a final production.

Theatre History and Literature (6439) - 1 credit**Grade level: 10, 11, 12***Prerequisite: Theatre 1 and one additional theatre class or teacher approval.*

This course explores in depth the structure, elements, and style of dramatic compositions, and as an extension, how the dramatic literature influenced theatrical production and acting styles throughout history. This course may focus more on the literature component than on the theatre (with increased emphasis on critique and analysis), but may connect these subjects, exploring their interrelationships. Major contributors (playwrights, directors, etc.) and the architecture of the theater may all be included as topics of study.

Introduction to Music (6443) - 1 credit**Grade level: 12***Prerequisite: ACT Reading score of 20.*

This course is a study of the elements of music as they apply to the listening experience. It is designed for the non-music majors with no prior knowledge of music. Emphasis will be placed on developing an awareness and understanding of musical styles from the Renaissance to the present. Music majors may not use this course to fulfill either General Studies, University Studies, or music history requirements. Non-music majors may use this course to fulfill General Studies requirement. The student will receive three college credit hours upon passing this course. This course is MUS 100 in the KCTCS system. Students are required to purchase a textbook and pay tuition that is not covered through waivers or scholarships.

Fine Arts Workplace Experience - (6433A)-1 credit (6433B)-2 credits (6433C)-3 credits**Grade level: 12***Prerequisite: 3 courses in a specific fine arts pathway and teacher approval.*

Students will be assigned to a community agency, organization or business for an internship opportunity to study practical application of fine art principles and skills in the workplace. A supervisor at the location will be responsible for the student supervision and task assignments as well as evaluations and time sheets. A school staff member will be the liaison to this placement to report grades and monitor student progress. Students are responsible for providing their own transportation to/from the internship location.

History and Appreciation of Visual and Performing Arts (6400) - 1 credit**Grade level: 9, 10, 11, 12**

In this course, students are introduced to a survey of significant works, artists, and movements that have shaped the arts world and have influenced or reflected various periods in history in the arts disciplines of dance, music, theatre and visual art. Course content emphasizes the sequential evolution of art forms, techniques, symbols and themes within those disciplines. The course covers the connections of the arts to cultural, social, political, and historical events throughout the world. Critical analysis of works from the disciplines, as they communicate and express the history, needs, and ideals of society and individuals is included. The course provides for students to experience creating, performing/presenting/producing, responding and connecting their own works as well as the works of others.

WORLD LANGUAGE

Spanish 1 (6151) - 1 credit**Grade level: 10, 11, 12**

This course is designed for students with an above-average knowledge of English grammar. This course gives an introduction to Spanish language and culture. The four basic skills of reading, writing, listening and speaking are stressed. To facilitate communication, grammar study (parts of speech, verb conjugation, adjective forms, etc.) is an integral part of the course. Cultural insights are highlighted to increase students' cultural awareness.

Spanish 2 (6152) - 1 credit**Grade level: 10, 11, 12***Prerequisite: passing grade on the Spanish 1 proficiency test.*

This course emphasizes meaning and communication. Grammar is stressed to facilitate proper communication. Cultural insights are highlighted to increase students' inter-cultural awareness.

Spanish 1 Block & Spanish 2 Block (6151B, 6152B) - 2 credits**Grade level: 9, 10, 11, 12**

Students who take these courses will complete all content in both Spanish 1 and Spanish 2. Students will take Spanish 1 during two periods of the first semester and then Spanish 2 during two periods of the second semester.

Spanish 3 (6453) - 1 credit**Grade level: 10, 11, 12***Prerequisite: Spanish 2.*

Students will continue to improve the skills of listening, speaking, and reading and writing. The pace of the vocabulary and grammar intensifies. By the end of the course, most of the class will be conducted in Spanish.

Advanced Placement Spanish (6455) - 1 credit**Grade level: 11, 12***Prerequisite: Spanish 3.*

The purpose of this college-level course is to expand vocabulary and grammar ability. Students are expected to speak in Spanish in class with the teacher and peers. Students are required to take the AP exam at their expense. (Board Policy 09.15)

HEALTH & PHYSICAL EDUCATION

Freshman Health & Safety and Freshman PE (7488, 7489) - 1 credit

Grade level: 9

This is a requirement for all 9th grade students.

Physical activities are a major part of the course. Proper exercise and rules of various games are taught. All students taking PE are expected to bring gym clothes, dress out and participate each day. Games such as basketball, baseball, tennis, etc. are played in season. The health course presents information allowing all students an opportunity to understand the components of a healthy lifestyle. Information included will represent all components of wellness: mental/emotional, physical and social. Everyday issues such as AIDS, drugs, tobacco and alcohol are discussed. Good nutrition is discussed and planned. Students discuss choices and practice decision-making skills. Exercises are used to promote self-esteem.

PE/Personal Wellness and Fitness (7490F or 7490S) - .5 credit

Grade level: 10, 11, 12

This is a concepts-based activity course in which students learn to create and participate in their own individualized workout routine. Students will spend a majority of their time in the gym participating in their own individual workout plan. This course will be especially beneficial to students planning to go into the exercise/health field. This course is available in the fall and spring semester.

Advanced PE/Lifetime & Individual Sports (7493F or 7493S) - .5 credit

Grade level: 10, 11, 12

This is a class focusing on lifetime and individual sports. Dress out and participation are required every day. Sports offered are golf, bowling, tennis, ping pong, corn hole, and other various lifetime and individual sports. Students will be fitness tested at the beginning and end of each semester to enhance their knowledge of lifelong fitness goals. This is available in the fall and spring semester.

PE/Strength & Conditioning (7495F or 7495S) - .5 credit

Grade level: 10, 11, 12

In this course, a major emphasis is weight training and conditioning (speed, agility, and flexibility exercises). Students are pre-tested on a variety of strength and conditioning exercises and retested at nine week intervals. A weight training and conditioning program is developed and each student keeps track of their progress via weight charts. Students' progress is evaluated by student improvement over the semester. This course is available in the fall and spring semester.

Advanced PE/Team Sports (7497F or 7497S) - .5 credit

Grade level: 10, 11, 12

This is a team-centered sports class. Dress out and participation are required every day. Sports offered include: basketball, volleyball, softball, flag football, ultimate Frisbee, soccer and other team sports. Students will be fitness tested at the beginning and end of each semester to enhance their knowledge of lifelong fitness goals. This course is available in the fall and spring semester.

MISCELLANEOUS

Peer Tutor (7461) - .5 credit

Grade level: 11, 12

Prerequisite: LCCE or FMD teacher approval. Must have an exemplary attendance record to be approved.

This semester course is designed for individuals to work with students with mild to severe disabilities. Students may be assigned to a learning lab or to a classroom.

Teacher/Office Aide (7170) - 0 credits

Grade level: 12

Prerequisite: Must have an exemplary attendance and discipline record and approval of Unit Principal.

During one semester only, the student will help the teacher with filing, copies, etc. or the student will help in the office running errands, delivering messages, etc. Students may be an office aide or a teacher aide for one semester only. Special exceptions may be granted by Administrators.

Elementary Reading Tutor (7462)-1 credit

Grade level: 12

Prerequisite: Must have exemplary attendance record.

This course is designed for students to work with elementary students at a local elementary school. Students must provide their own transportation.

CAREER AND TECHNICAL EDUCATION

AGRICULTURAL EDUCATION

Principles of Agri-Science & Technology (7445) - 1 credit

Grade level: 9, 10

Prerequisite: 11th grader may enroll if enrolled in an additional agriculture course.

This course provides instruction in the foundations of the various segments of the agricultural industry. Agricultural career opportunities will be emphasized. Animal science, plant and land science, and agricultural mechanical 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. Students will receive personal guidance and counseling with preparatory instructional program selection. The class is required for all upper level agriculture courses and agriculture pathways.

Agri-Biology (4200) - 1 credit

Grade Level: 10

Prerequisite: IPS.

This course meets the Biology requirement for graduation. Agri-Biology uses agricultural contexts to present the life science core content outlines for assessment, as outlined in the program of studies. As students study practical agricultural concepts, they apply scientific ways soft hiking and working to real-life problems. During their study of agri-biology, students perform many practical tasks. They create models, extract DNA, analyze DNA fingerprints, and construct tables and graphs to classify and analyze, and test soils. Students develop an understanding of many concepts such as cell structure and function, morphology and physiology of agriculturally significant animals, heredity principles and inheritance patterns, genetic engineering, animal behavior, biological change, interdependence of plants and animals, and the flow of matter and energy through ecosystems. An agriculture teacher and a science teacher work together in planning this course. This course does not meet NCAA core curriculum requirements.

Agriculture Sales and Marketing (7474) - 1 credit

Grade Level: 10, 11, 12

Prerequisite: Principles of Agriculture and Technology.

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

Animal Science (7446) - 1 credit

Grade level: 10, 11, 12

Prerequisite: Principles of Agriculture and Technology.

This course develops basic knowledge and skills pertaining to livestock identification, selection, nutrition, reproduction and genetics, health management and marketing of one or more species of farm animals. The latest biotechnological applications will be included. The context may be enhanced with appropriate computer applications. Leadership development will be provided through FFA. Each student will be expected to have an agricultural experience program. Dual credit is available for Murray State University course AGR 100.

Floral Design (7459) - 1 credit

Grade level: 10, 11, 12

Prerequisite: Principles of Agriculture and Technology.

Horticulture and floral design provides instruction to develop floral design techniques using silk, dried, and fresh flowers. Students will learn operation and management techniques of a florist business as well as identification, production, and cultural maintenance practices of plants used in floral design and interior landscaping. Content may be enhanced by utilizing appropriate Leadership development will be provided through FFA. Each student will be expected to have an agricultural experience program.

Intro to Greenhouse & Crop Production (7451) - 1 credit**Grade level: 10, 11, 12***Prerequisite: Principles of Agriculture and Technology.*

Students will develop 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. Content may be enhanced with appropriate technological applications. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program. Dual credit is available for Murray State University course AGR 140.

Small Animal Technology (7468) - 1 credit**Grade level: 10, 11, 12***Prerequisite: Principles of Agriculture and Technology.*

This course develops scientific knowledge, management practices, and marketing strategies in small and specialty animal technology. The curriculum includes identification, anatomy/physiology, nutrition, health, selection, and care of small animals such as dogs, cats, rabbits, companion birds, ostriches, emus, tropical fish, and fur bearers. Content may be enhanced by utilizing appropriate technology. Leadership development will be provided through FFA. Each student will be expected to have an agricultural experience program.

Greenhouse Technology (7450) - 1 credit**Grade level: 11, 12***Prerequisite: Principles of Agriculture and Technology and Intro to Greenhouse and Crop Production or Agricultural Sales and Marketing.*

This class 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 may be included. Content may be enhanced by utilizing appropriate technology. Leadership development will be provided through FFA. Each student will be expected to have an agricultural experience program. Dual credit is available for Murray State University course AGR 160.

Veterinary Science (7467) - 1 credit**Grade level: 11, 12***Prerequisite: Principles of Agriculture and Technology and Animal Science or Small Animal Technology.*

This course introduces students to the field of veterinary science. Major topics include veterinary terminology, safety, sanitation, anatomy/physiology, clinical exams, hospital procedures, parasitology, posology, laboratory techniques, nutrition, disease, office management, and animal management. Careers are also explored. Content may be enhanced by utilizing appropriate technology. Leadership development will be provided through FFA. Each student will be expected to have an agricultural experience program. Dual credit is available for Murray State University course AGR 182.

Agricultural Math (7476) - 1 credit**Grade Level: 12***Prerequisite: Algebra 2, Principles of Agriculture and Technology and completion of, or concurrent enrollment in, two additional agriculture classes within the same Agricultural Education pathway.*

This course is a math elective for students who have completed courses containing all the required high school Kentucky Academic Standards (KAS) for Mathematics. This course is designed to emphasize high school math content by utilizing agricultural education as the content for delivering math concepts beyond what was addressed in the student's foundational courses. Agricultural math does not count towards the completion of an Agricultural Education pathway.

Agriculture Cooperative Education (7455) - 1 credit (7456) -2 credit (7457) -3credit**Grade level: 12***Prerequisite: Principles of Agriculture and Technology, completion of three additional required courses in a single Agricultural Education Pathway (or concurrent enrollment in the fourth required course) and teacher approval.*

This class will offer training with a local employer. The cooperative class will develop a training program for each student related to their career majors. The plan is an agreement developed and signed by the school, student, parent, and employer for on-the-job training. The students will spend 10 or more hours on the job and two or more hours in a related class each week. In addition, students may choose to enroll in college agriculture class through Henderson Community College or Murray State University during this class time. Attendance and behavior records will be reviewed carefully for students enrolling in this class.

BUSINESS & MARKETING EDUCATION

Accounting & Finance Foundations (Accounting 1) (7404) - 1 credit

Grade level: 9, 10

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 financial statements. Detailed exploration in the various fields of accounting will be available. Leadership development will be provided through FBLA and/or DECA.

Financial Management (Accounting 2) (7405) - 1 credit

Grade level: 10, 11

Prerequisite: Accounting & Finance Foundations (Accounting 1).

This course uses an integrated approach to teach accounting. Students will 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 and/or DECA.

Introduction to Management (9538) - 1 credit

Grade level: 11, 12

Prerequisite: Accounting and Finance Foundations (Acct 1) and an additional required course in either the Accounting or Administrative Support Pathways.

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

Personal Finance: BAS 120 (9536) - 1 credit

Grade Level: 11, 12

Prerequisites: Accounting and Finance Foundations (Acct 1) and one additional required course in either the Accounting, Administrative Support or Financial Services pathway. Students in a business pathway are required to enroll in the dual credit section of this course.

The goal of this course is to help students become financially responsible, conscientious members of society. This course develops student understanding and skills in areas such as money management, budgeting, and financial goal attainment. Students will also examine contemporary, real-world ethical dilemmas that individuals commonly encounter when managing their personal finances. Students may be responsible for tuition or fees not covered by the KHEAA dual credit scholarship and/or KCTCS tuition waiver agreement. This course is also a graduation qualifier if the student scores a "C" or above and signs up for dual credit.

Office Administration (7390) - 1 credit

Grade level: 10, 11, 12

Prerequisite: Accounting and Finance Foundations (Acct 1).

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

Colonels' Corner Bank (Financial Services 1 and 2) (7406 and 7407)- 2 credits**Grade level: 12**

Prerequisite: Accounting and Finance Foundations (Acct 1), Marketing Principles or Financial Management (Acct 2) and Personal Finance (or concurrent enrollment in this course).

This course is designed for students interested in pursuing a career in the financial institution field. It involves operations of a student financial center in cooperation with a sponsoring bank, which provides application of banking and financial procedures and concepts. Leadership development will be provided through FBLA and/or DECA.

Marketing Principles (9429) - 1 credit**Grade level: 9, 10**

This course introduces students to the dynamic processes and activities in marketing. This 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 and/or DECA.

Marketing 1 (9430) - 1 credit**Grade level: 9, 10**

Prerequisite: Marketing Principles.

This course is designed to provide an overview of the marketing responsibilities of individuals employed in the retail industry. This course is based on the business and marketing core content of product/service management, promotion, and selling. Leadership development will be provided through FBLA and/or DECA.

Marketing 2-Market Place (9431) - 1 credit**Grade level: 11**

Prerequisite: Principles of Marketing and Marketing 1 and/or Principles of Hospitality.

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

Marketing Cooperative Education (9432)-1 credit (9433)-2 credits (9434)-3 credits**Grade level: 12**

Prerequisite: Marketing Principles, three additional required courses in either the Hospitality, Travel, Tourism and Recreation or Marketing Pathway and teacher approval. Student may be concurrently enrolled in the fourth required course.

This course provides supervised work experience related to the student's identified career pathway. Students will receive marketing/retail on-the-job training with the cooperative education method of instruction. Students will obtain employment in retail and apply their classroom training and skills learned in previous marketing classes. Students may or may not be paid to perform their duties and responsibilities. Leadership development will be provided through FBLA and/or DECA.

Marketplace School Based Enterprise (9433) - 3 credits**Grade level: 12**

Prerequisite: Principles of Marketing, Marketing 1, Marketing 2, Personal Finance (or concurrent enrollment in this course) and teacher approval.

This course provides business and marketing education students the opportunity to manage this school-based enterprise. Students will gain experience in placing product orders, advertising and sales, receiving and processing orders and customer deliveries.

Business and Marketing Essentials (9426) - 0.5 credit**Grade level: 9, 10, 11, 12**

Business and Marketing Essentials is an introductory business course which enables students to acquire a realistic understanding of business processes and activities. Students examine fundamental economic concepts, the business environment, and primary business activities. They develop an understanding of and skills in such areas as customer relations, economics, emotional intelligence, financial analysis, human resources management, information management, marketing, operations, professional development, and strategic management. Throughout the course, students are

presented ethical dilemmas and problem-solving situations for which they must apply academic and critical-thinking skills. Leadership development will be provided through FBLA and/or DECA.

Ethical Leadership (9427) - 0.5 credit

Grade level: 9, 10, 11, 12

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

Principles of Hospitality (7200) - 1 credit

Grade level: 9, 10

This course is designed for students interested in business and marketing careers in the hospitality industry. The instruction includes career awareness in the areas of recreation, travel/tourism, hotel/motel, and restaurant. This course is based on the business and marketing core that includes communication skills, economics, operations, promotion, selling, and product/service management. Leadership development will be provided through FBLA and/or DECA.

Principles of Entrepreneurship (9539) - 0.5 credit

Grade level: 10, 11, 12

Prerequisites: Must have completed one required course in either the Hospitality, Travel, Tourism and Recreation or Marketing pathway.

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

Microsoft Office Specialist (7391) - 1 credit

Grade level: 11, 12

Prerequisite: Accounting and Finance Foundations (Acct 1) and an additional required course in either the Accounting or Administrative Support Pathway.

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 Certification in one or more of the Microsoft areas. In addition, students will utilize Internet access to complete various projects. Leadership development will be provided through FBLA and/or DECA.

Travel and Tourism Marketing (Offered 24-25 School Year)- 1 credit

Grade level: 11, 12

Prerequisite: Must have completed two required courses in either the Hospitality, Travel, Tourism and Recreation or Marketing pathway.

This course introduces the student to the travel and tourism industry. This course contains the core of business and marketing that includes communication, economics, human resource management, promotion, marketing, and selling. In addition, the class includes domestic and international, transportation methods, food and beverage marketing, and destination marketing.

Specialized Services in Hospitality (Offered 24-25 School Year) - 2 credits

Grade level: 12

Prerequisite: Must have completed three required credits, or concurrently enrolled in the third credit, in the Hospitality, Travel Tourism and Recreation Pathway.

This course is designed for students interested in business and marketing careers in the hospitality industry. The instruction includes career awareness in the areas of recreation, travel/tourism, hotel/motel, and restaurant. This course is based on the business and marketing core that includes communication skills, economics, operations, promotion, selling, and product/service management. Leadership development will be provided through FBLA and/or DECA.

Business Cooperative Education (9525A)-1 credit (9525B)-2 credits**Grade level: 12**

Prerequisite: Accounting and Finance Foundations (Acct 1), three additional required courses in either the Accounting, Administrative Support, or Financial Services pathway and teacher approval. Student may be concurrently enrolled in the fourth required course.

Students in this course will receive real-world business training while working in a local office setting. Students will be employed at a Henderson County business and apply their classroom training and skills learned in previous business classes. The students may or may not be paid to perform their duties and responsibilities. Leadership development will be provided through FBLA.

COMPUTER SCIENCE

Programming 1 (Computer Literacy) (9540) - 1 credit**Grade level: 9, 10**

This course provides an introduction to the computer and the modern technology used in today's global environment. This course will cover fundamental information on topics including computer hardware and software, file management, the Internet, e-mail, the social web, green computing, security and computer ethics. Instruction presents basic use of application, programming, systems, and utility software. Basic keyboarding skills will be practiced and demonstrated throughout the year. This course is meant to introduce students to the many different avenues of the Technology Career path, as well as teach them the fundamental computer proficiency required in the rest of the of the programming pathway.

Programming 2 (Introduction to Programming) (9541) - 1 credit**Grade level: 10, 11**

Prerequisite: Programming 1.

This course focuses on the general writing and implementation of generic and atomized programs to drive operating systems. Instruction includes software design, languages, and program writing, and troubleshooting. Students are introduced to fundamental programming concepts using an industry-specific or emerging programming language. Includes data types, control structures, simple data structures, error-handling, modular programming, information and file processing, and uniqueness of the language used in the course. Students spend at least 20 hours programming and applying learned concepts through programming. Programming is defined, by the K-12 CS Framework, as the craft of analyzing problems and designing, writing, testing, and maintaining programs to solve them.

Programming 3 (Web Page Development) (9544) - 1 credit**Grade level: 11, 12**

Prerequisite: Programming 1 and Programming 2.

This course will outline the design/development/deployment process for websites and web games. Students will use concepts from HTML/CSS/JavaScript programming languages as well as game design software such as Unity and Construct to develop 2D games to deploy to websites created in class. Student will work in development teams throughout the year between Design/Development/Project Management. Students will have the opportunity to learn to develop web apps from scratch, with the goal of enabling students to independently produce full functional websites/web applications for customers in the Information Technology Industry.

Programming 4 (Advanced Project-Based Programming) (9543) - 1 credit**Grade level: 12**

Prerequisite: Programming 1, Programming 2 and Programming 3.

This course will focus on brainstorming, planning, developing, tracking and reviewing large scale programming projects. Students will begin the course by brainstorming a project to create throughout the semester. Once decided, students will begin writing a project scope to outline the complexities, needs, and timelines of the project. Students must learn and demonstrate proficiency in time management, scope, research, computer science, and teamwork to be successful this course. Students will be working primarily independently or as a small group throughout the course. At the end of the course students will publish their projects to multiple platforms to host their completed work.

Computer Science Reach (School-based Enterprise) (9508)-1 cr (9508A)-2 cr (9508B)-3 cr**Grade level: 12**

Prerequisite: Programming 1, Programming 2, Programming 3, Programming 4 (or concurrent enrollment this course) and teacher approval.

Reach is a school based enterprise specializing in software development. Students will operate out of an office space within the school and be tasked with defining the scope of work for each project as well as delegating time and resources into the development process. Students will be able to take on jobs and projects from clients inside and outside the school. They will learn to interact

with clients as well as collaborate with their fellow team members to finish a job. Portfolios of work and projects will be created by students in order to keep track of what they have accomplished and their progress as a programmer to follow them in to the job market.

Computer Science Co-op (9505)-1 credit (9506)-2 credits (9507)-3 credits

Grade level: 12

Prerequisite: Programming 1, Programming 2, Programming 3, Programming 4 (or concurrent enrollment this course) and teacher approval.

Students will have the opportunity to work out in the community in paid Information Technology positions for companies in the area. These jobs include Hardware Repair/Networking/Software Development. Students will have the opportunity to apply/interview for these jobs as they become available.

CONSTRUCTION TECHNOLOGY

Construction Technology 1 (9531) - 1 credit

Grade level: 9, 10

This course is designed to introduce the student to various trades and disciplines associated with the construction field. The students will be instructed in the safe and efficient use of various hand and power tools. Blueprint reading will be introduced and students will have the opportunity to demonstrate the ability to safely construct small to medium sized projects according to specifications. Students will use math as an integral part of problem-solving while working with hands-on tasks.

Construction Technology 2 (9532) - 2 credits

Grade level: 10, 11

Prerequisite: Construction Technology 1 and teacher approval.

This course is designed to take a student to the next level of development in the Construction Technology program. Students will learn to layout a foundation using geometrical principals and optical survey equipment. Student will learn to properly space anchor bolts and secure the sill plate to the foundation walls. Students will complete training on the fundamental procedures of layout and construction of floor and wall systems. In-depth blueprint reading will be demonstrated as the students work on the construction of a residential home.

Construction Technology 3 (9533) - 2 credits

Grade level: 11, 12

Prerequisite: Construction Technology 1, Construction Technology 2 and teacher approval.

This course is designed to prepare the student who is serious about a career in a construction-related field to enter: post-secondary education for further education, an apprenticeship program through a local training provider, a workforce provider in the field of construction, or direct entry to the armed forces of the USA. Students will develop skills and employability characteristics that will be needed for success in the construction industry. Students will be proficient in the construction of ceiling and roof systems, interior and exterior trim, and drywall applications through an actual construction of a residential home.

HC Dream Builders (9534A)-1 credit (9534B)-2 credits

Grade level: 12

Prerequisite: Construction Technology 1, Construction Technology 2, Construction Technology 3 (or concurrent enrollment) and teacher approval.

This course is a supplementary course to the Carpentry pathway, which will provide work experience in the HCHS carpentry shop or on the HCHS carpentry job site. The student is supervised by the construction instructor.

Construction Technology Coop Education (9535A)-1 credit (9535B)-2 credits (9535C)-3 credits

Grade level: 12

Prerequisite: Construction Technology 1, Construction Technology 2, Construction Technology 3 (or concurrent enrollment in this course), passing score (70+) on the TRACK Carpentry assessment and teacher approval.

Students must successfully complete a 20 hour job shadowing experience and Industry Employability Skills Assessment. The class will offer training with a local employer. The cooperative class will offer training with a local employer. The cooperative class will develop a training program for students related to their career major. The plan is an agreement developed and signed by the school, student, parent, and employer for on-the-job training. The school arranges with the employer for on-the-job training utilizing the training plan. The students will spend five or more hours on the job and one or more hours in a related class each week.

EDUCATION AND TRAINING

The Learning Community (8001) - 1 credit

Grade level: 9, 10

In this course, The Learning Community, students develop an understanding of the various responsibilities and systems involved in the K-12 educational system. Specifically, students will acquire the knowledge of education through the perspectives of classroom, school, district, state, and federal roles.

The Learner-Centered Classroom (8002) - 1 credit

Grade level: 10, 11

Prerequisite: The Learning Community.

This course will develop rising educators' awareness of their funds of knowledge, as well as their personal biases that develop from their life experiences. Using research-based methods, rising educators will develop methods to impact student equity based on culturally competent models as well as growth mindset methods.

The Professional Educator (Offered 24-25 school year) - 1 credit

Grade level: 11,12

Prerequisite: The Learning Community and The Learner-Centered Classroom.

In this course, The Professional Educator, students will develop an understanding of how educators advance their profession within the classroom. Specifically, students will gain both the knowledge and skills to plan, deliver, and reflect on the process of teaching and learning.

Collaborative Clinical Experience (Offered 24-25 school year) - 1 credit

Grade level: 12

Prerequisite: The Learning Community, The Learner-Centered Classroom, The Professional Educator and teacher approval.

In this course, Collaborative Clinical Experience, students will refine the required knowledge and skills to be an effective educator while also practicing the dispositions necessary for the educational profession. Specifically, students will gain an understanding of how teachers lead through both individual and collaborative growth and reflection.

ENGINEERING TECHNOLOGY EDUCATION

Engineering 1 (9589) - 1 credit

Grade level: 9 , 10

This course provides opportunities to be creative and apply decision-making and problem-solving skills to design problems. Students use powerful computer hardware and software (Autodesk Inventor) to develop 3-D models or solid renderings of objects. Using the Computer-Aided Design System, students will learn the product design process through creating, analyzing, rendering, and producing a model. The techniques learned and equipment used are state of the art and are currently being used by engineers throughout the United States.

Engineering 2 (9590) - 1 credit

Grade level: 10 , 11

Prerequisite: Engineering 1.

This course is a broad-based survey course designed to help students understand the field of engineering and engineering technology and its career possibilities. Students explore technology systems and engineering process to find out how math, science, and technology help people. Students will develop engineering problem solving skills that are involved in post-secondary education programs and engineering careers. They will explore various engineering systems and manufacturing processes and learn how engineers address concerns about the social and political consequences of technological change.

AP Computer Science A(3443)- 1 credit

Grade level: 10, 11, 12

Prerequisite: Engineering 1.

AP Computer Science A introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language. Students spend at least 20 hours of programming and applying learned concepts through programming. (Programming is defined, by the K-12 CS Framework, as the craft of analyzing problems and designing, writing, testing, and maintaining programs to solve them).

Electrical/Electronics Engineering (9592) - 1 credit**Grade level: 11, 12***Prerequisite: Engineering 1 and Engineering 2 (or concurrent enrollment in this course).*

This course will include basic DC circuits and an understanding of the creation and uses of electricity, circuits and troubleshooting of simple DC circuits. Introductory magnetism and AC principles are also discussed. Students will apply logic that encompasses the application of electronic circuits and devices. Computer simulation software is used to design and test digital circuitry prior to the actual construct of circuits and devices. Students will be introduced to digital circuits found in video games, watches, calculators, and thousands of other devices. Students will study the application of digital logic and how digital devices are used to control automated equipment. The use of digital circuitry is present in virtually all aspects of our lives and its use is increasing rapidly. Students will use the industry standard, electronic design software to build circuits and to export designs to a printed circuit auto-routing program that generates printed circuit boards using chips and other components.

Manufacturing Engineering (9564) - 1 credit**Grade level: 11, 12***Prerequisite: Engineering 1, Manufacturing Technology 1 and Manufacturing Technology 2 (or concurrent enrollment in this course).*

This course applies the principles of robotics and automation. The course builds on computer solid modeling skills developed in Introduction to Engineering Design, and Design and Drawing for production. Students use CNC equipment to produce actual models of three-dimensional designs. Fundamental concepts of robotics used in automated manufacturing, design analysis are included.

Civil Engineering (9591) - 1 credit**Grade level: 11, 12***Prerequisite: Engineering 1 and Engineering 2 (or concurrent enrollment in this course).*

This course teaches students the fundamental skills and concepts necessary for architectural/civil planning, designing, and drawing. It is self-paced, individualized instruction. Students learn the basic principles and elements of architecture/civil engineering design to create site development drawing, floor plans, elevations, sectional, detail, and cabinet drawing. The computer-aided software will help the necessary technical skills to communicate architecture/civil engineering ideas in an understandable, efficient, and accurate manner.

Engineering Capstone (9598) - 1 credit**Grade level: 11, 12***Prerequisite: Engineering 1, Engineering 2, and Electrical/Electronics Engineering or Civil Engineering.*

Students will apply the design process involving problem identification, conceptualization and research, refinement of preliminary ideas, design analysis, development and implementation, detailed documentation of final design, optimization and final presentation. Identify, define and justify technical design problem for resolution. Conduct research and investigation into the stated problem. Represent and evaluation of proposed design solutions. Design a solution to the problem and create a working prototype for testing. Select appropriate testing methodologies for testing product, conduct testing, refine as needed and document process and results. Create and deliver a formal presentation of the solution to the problem.

Pre-Engineering Cooperative Education (9594)-1 credit (9595)-2 credits (9596) - 3 credits**Grade level: 12***Prerequisite: Engineering 1, Engineering 2, Electronics/Electrical Engineering or Civil Engineering, Engineering Capstone (or concurrent enrollment in this course) and teacher approval.*

The class will offer training with a local employer. The cooperative class will develop a training program for students related to their career major. The plan is an agreement developed and signed by the school, student, parent, and employer for on-the-job training. The school are utilizing the training plan. The students will spend five or more hours on the job and one or more ranges with the employer for on-the-job training hours in a related class each week.

FAMILY & CONSUMER SCIENCE

Life Skills (FACS Essentials) (7430) - 1 credit**Grade level: 9, 10, 11, 12**

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

Foods and Nutrition (7436) - 1 credit**Grade level: 9, 10**

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 related to attitudes toward food, nutrition facts, special health concerns and diets, management of food resources, preparation skills and careers in nutrition and food service.

Culinary Arts 1 (7437) - 1 credit**Grade level: 10, 11**

Prerequisite: Foods and Nutrition.

This course is designed to provide training for employment in hospitality services in the area of food service. Career decisions and demands on family life are explored as well as skills and concepts related to supportive services such as public relations, food and beverage operations, management techniques and entrepreneurship. Instruction will include on the job experiences.

Culinary Arts 2 (7438) - 2 credits**Grade level: 11, 12**

Prerequisite: Foods and Nutrition and Culinary Arts 1.

This course prepares students in career competencies in food production and service for a variety of commercial food establishments such as schools, hospitals, nursing homes and restaurants. 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 level thinking skills will be taught during the second semester. Leadership development will be provided through Family, Career and Community Leaders of America FCCLA).

Advanced Foods and Nutrition (7429) - 1 credit**Grade level: 11, 12**

Prerequisite: Foods and Nutrition, Culinary Arts 1 and Culinary Arts 2 (or concurrent enrollment in this course).

This course is a continuation of Food and Nutrition and is designed to assist students in principles related to food preparation. Content includes careers in dietetics and hospitality, safety and sanitation, food and menu planning, cooking methods and baking applications, and local, regional, and global cuisines. Lab instruction emphasizes the application process. Leadership development will be provided through Family, Career and Community Leaders of America FCCLA).

Colonel's Kitchen - (7442A)-1 credit (7442B)-2 credits (7442C)-3 credits**Grade level: 12**

Prerequisite: Foods and Nutrition, Culinary Arts 1, Culinary Arts 2 (or concurrent enrollment in this course) and teacher approval.

Colonels' Kitchen is designed to provide training for employment in hospitality service in the area of food service. It will prepare students in career competencies in food production and service for a variety of commercial food establishments such as schools, hospitals, nursing homes, and restaurants. Through a combination of classroom instruction and hands-on labs, students learn basic kitchen skills, through preparation, cooking, baking, and serving special functions. Colonels' Kitchen is a school-based enterprise with the purpose to train the student and provide work experience in ordering, inventory, preparation, and serving, along with promoting safety and sanitation practices. Team work is essential and in working weekly in Colonels' Kitchen the student is prepared to enter the workforce with the skills needed to obtain and maintain employment. This program prepares the graduate for a position in the Food Service Industry.

Culinary Cooperative Education (7439)-1 credit (7440)-2 credits (7441)-3 credits**Grade level: 12**

Prerequisite: Foods and Nutrition, Culinary Arts, 1, Culinary Arts 2 (or concurrent enrollment in this course), passing score (70+) on the ServSafe Food Manager's Credential exam and teacher approval.

This class will offer training with a local employer. The cooperative class will develop a training program for each student related to his/her career major. The plan is an agreement developed and signed by the school, student, parent, and employer for on-the-job training. The school arranges with the employer for on-the-job training utilizing the training plan. The students will spend fifteen or more hours on the job and one or more hours in a related class each week.

Child/Human Development (Early Lifespan Development) (7433) - 1 credit**Grade level: 9,10**

This course addresses the concepts related to understanding the areas and stages of human growth and development, recognizing effects of heredity and environment on human growth and development, meeting the needs of exceptional children, promoting optimum growth and development in the prenatal, infancy, toddler, preschool and school-age stages. Careers in child/human development are explored. Leadership development will be provided through Family, Career and Community Leaders of America FCCLA).

Child Development Services 1 (7434) - 1 credit**Grade level: 10, 11***Prerequisite: Child/Human Development (grade of C or higher).*

This course provides training for positions in day care centers, nurseries, preschools, kindergartens, and private homes. Students study child development and guidance, children's health and well-being in group care, value of play, teaching strategies and management, curriculum development and careers in child development. The subject content is reinforced with limited on-the-job training experiences. Leadership development will be provided through Family, Career and Community Leaders of America FCCLA).

Relationships/Parenting (7432) - 1 credit**Grade level: 10, 11, 12***Prerequisite: Completed one course in the Early Childhood Education Pathway.*

This course assists students to develop self-understanding, better understand others, improve interpersonal skills both within and outside the family, and maintain mental and emotional wellness. Preparations for the achievement of successful dating and marriage are emphasized. It will also include a frank and open study of teen sexuality, its consequences and options. This course is also designed to aid students in developing parenting and care giving skills that can be applied in a variety of situations. Major topics include becoming an informed parent, understanding prenatal development, caring for the newborn, being an effective parent/caregiver, caring for the sick and elderly and exploring career opportunities in care giving. Leadership development will be provided through Family, Career and Community Leaders of America FCCLA).

Child Development Services 2 (7435) - 3 credit**Grade level: 12***Prerequisite: Child/Human Development (grade of C or higher) and Child Development Services 1 (grade of C or higher).*

This course is a continuation of Child Development Services 1 and is designed for students who wish to train for supervisory level positions or those wishing to further their education at the post-secondary level in the area of childhood/elementary education. Students gain in-depth work experiences and extensive on-the-job training in early childhood or elementary settings. Leadership development will be provided through the Family, Career and Community Leaders of America (FCCLA). Dual credit is available with KCTCS. Students can obtain the following certifications: Commonwealth Child Care Credentials (CCCC) Certificate of Eligibility, Kentucky Early Care & Education Orientation Certificate, Child Development Associate (CDA). Dual credit is available for KCTCS course IEC 101.

Early Childhood Education Apprentice (7431A-1 cr./7431B-2 cr.) - 1 or 2 credits**Grade level: 12***Prerequisite: Child/Human Development (grade of C or higher), Child Development Services 1 (grade of C or higher), concurrent enrollment in Child Development Services 2 (must earn grade of C or better) and teacher approval.*

Internship for CTE Courses provide 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.

HEALTH SCIENCES

Medical Terminology (9558) - 1 credit**Grade level: 9,10, 11, 12**

This course teaches medical terminology that will be used in all clinical settings. The course is designed to assist students in determining doctor's orders and to communicate effectively in the medical field. Dual credit is available for KCTCS course AHS 115.

Health Science 1 (9481) - 1 credit**Grade level: 10***Prerequisite: Medical Terminology (or concurrent enrollment)*

This course introduces the student to the many occupational areas in the health field. It is designed to assist students in determining career opportunities in the health occupations. The course is exploratory and offers instruction in basic health-related skills. Dual credit is available for KCTCS course HST 102.

Health Science 2-Fundamentals (9483) - 1 credit**Grade level: 11***Prerequisite: Medical Terminology, Health Science 1 and teacher approval.*

This course is for students who are interested in a health career other than nursing. Clinical skills will be taught to prepare students for clinical rotations, and independent study will be incorporated by method of textbook, computer programs, or hands-on activities that directly relate to student's specific career choice. Dual credit is available for KCTCS course AHS 105.

Health Science 2-Medical Office (7410) - 1 credit**Grade level: 11, 12***Prerequisite: Medical Terminology, Health Science 1 and teacher approval.*

This course enables a student to gain concepts, skills and techniques in medical terminology and various forms used in the medical profession. Students will be able to explain medical terminology, produce medical forms, process payments and billing, properly code diagnoses, and demonstrate the ability to schedule and process patients/visitors. Leadership will be developed through FBLA and/or HOSA. Dual credit is available for KCTCS course MAI 105.

Health Science 2-SRNA (State Registered Nurse Assistant) (9482) - 1 credit**Grade level: 11***Prerequisite: Medical Terminology, Health Science 1 and teacher approval.*KCTCS colleges require that this course be taken before acceptance into their nursing programs.

The students will demonstrate an aptitude of skills pertaining to the health care field and exhibit the qualities necessary to work in the health care setting. These include, but are not limited to, good judgment, honesty, appropriate personal appearance, a willingness to learn and adapt to change, a positive attitude toward others and a sincere interest in working in the health care field. Students will learn theory in the classroom setting and direct patient care skills in the lab and clinical setting. These skills will include bed making, assisting the patient with bathing and hygiene, assisting the patient with toileting, measuring vital signs, assisting the patient with Range of Motion (ROM), walking and transferring. The student will complete the SRNA course requirements as mandated by the state of Kentucky and sit for the SRNA certification. Dual credit is available for KCTCS course NAA 100.

Health Science SRNA Lab (9482F and 9482S) - .5 credit**Grade level 11***Prerequisite : Medical Terminology, Health Science 1 and simultaneous enrollment in Health Science 2-SRNA.*

Extended practice of skills in SRNA course that take extended time and demonstration of skill.

Health Science 3 (9484) - 3 credits**Grade level: 12***Prerequisite: Medical Terminology, Health Science 1, Health Science 2 and teacher approval.*

This course is sequenced to build upon those skills acquired in Health Sciences 2. Certification in CPR and First Aid may be earned. The student obtains work experience in a clinical or a health-related facility. The work experience is supervised cooperatively by the classroom instructor and the work supervisor. The student has the opportunity to select one or more occupational areas to obtain entry-level job preparation. Dual credit is available for the KCTCS course KHP 190.

Health Science 3 with Cooperative Education (9485) - 4 credits**Grade level: 12***Prerequisite: Medical Terminology, Health Science 1, Health Science 2, teacher approval and paid employment in healthcare setting.*

Students will obtain employment in the health care setting that will apply classroom training and skills learned in previous Health Science courses. Students must work in a paid position to perform their duties and responsibilities. Dual credit is available for KCTCS course KHP 190.

Health Science 3 Medical Office (9484MO) - 3 credits**Grade level: 12***Prerequisite: Medical Terminology, Health Science 1, Health Science 2 Medical Office and teacher approval.*

This course introduces clinical skills and techniques used in the physician office for patient examination, diagnoses, and treatment. It also introduces concepts related electronic health records (EHR) and 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. Dual credit is available for KCTCS courses MAI 140 and KHP 190.

Anatomy/Physiology (4417) - 1 credit**Grade level: 11, 12***Prerequisite: Biology.*

This course emphasizes instruction concerning the structure, function and terminology of the major systems of the human body. Instruction progresses at an accelerated rate and involves detailed anatomical/physiological lectures, experiments, demonstrations, and audio-visual materials. This class is beneficial to college-bound students pursuing careers such as physical therapists, nurses, lab technicians, radiological technicians, dentists, veterinarians, and medical doctors.

Medical Admin & Dosage Calculations (9559) - 1 credit**Grade level: 11, 12**

Prerequisite: Medical Terminology, Health Science 1, Health Science 2 Fundamentals or Health Science 2 SRNA (or concurrent enrollment in one of the Health Science 2 courses).

This course is designed to focus, utilize, and build on mathematical skills used in health occupations. Students are required to use applied techniques, problem solving, and critical thinking to perform mathematical operations such as computation, ratio and proportions, weights and measurements, and conversions. This course does not count as a required math credit for graduation.

JROTC

Leadership Education and Training/Health & PE-LET 101 (7420) - 1 credit**Grade level: 9**

This course offers introductory level work in leadership development, first aid, physical fitness, map reading, oral communications, marksmanship, citizenship responsibilities and benefits and an overview of American military history. This class will cover the requirement of Health & PE as well as the basic leadership training associated with LET 101. This will count as a student's required Health and PE requirement for graduation.

Leadership Education and Training-LET 201 (7422) - 1 credit**Grade level: 10**

Prerequisite: LET 101 and instructor approval.

This course offers mid-level work in leadership development, first aid, physical fitness, map reading, written and oral communications, substance abuse education, technological awareness, military history and citizenship.

Leadership Education and Training-LET 301(7424) - 1 credit**Grade level: 11**

Prerequisite: LET 101, LET 201 and instructor approval.

This course offers advance work in leadership subjects, American military history, the federal and military justice system, geography, decision-making, leadership assessment, interpersonal communication and problem solving. The course also concentrates on teaching students how to apply for scholarships.

Leadership Education and Training-LET 401 (7425) - 1 credit**Grade level: 12**

Prerequisite: LET 101, LET 201, LET 301 and instructor approval.

This course offers work in the effective application of leadership skills in cadet command, staff positions and vocational orientation.

Advanced PE-LET 501 (7426) - 1 credit**Grade level: 11, 12**

Prerequisite: Enrollment in any LET course and instructor approval.

This class provides JROTC cadets the opportunity to enhance physical strength plus overall health and fitness. The course will concentrate on the requirements (physical and academic) to enter military service, but entering the military is NOT a requirement. Cadets will also follow up on scholarship applications.

Leadership Education and Training/Command and Staff-LET 601 (7427) - 1 credit**Grade level: 11, 12**

Prerequisite: Enrollment in LET 301 or LET 401, in a Command or Staff position and instructor approval.

This course provides the JROTC Cadet leadership an opportunity to enhance their Command and Staff procedures. The Cadets enrolled in the course are required to plan all JROTC activities for the school year. This course will offer advanced Command and Staff planning requirements, After Action Reviews, and decision-making/problem solving activities. 6449 AP Art & Design Program.

LAW AND PUBLIC SAFETY

Pre-Law 1 (9601) - 1 credit**Grade level: 9, 10**

In this course, students will study the nature and impact of crime as well as major crime types, classes and degrees. Instruction will include the difference between civil and criminal law and the structure of the American court system focusing on constitutional law and basic protections guaranteed by the Bill of Rights, standards of proof and the various role of courtroom participants and the impact of precedent on the law. Students will also explore the use of technology as it relates to law, various careers available in the field of law and justice and the importance of ethics by participants in the legal system.

Pre-Law 2 (9602B) - 1 credit**Grade level: 10, 11***Prerequisite: Pre-Law 1 and teacher approval.*

This course is designed to provide students with an overview of criminal law, both substantive and procedural. Students will review approximately 30 homicide cases, including facts, classification, and defenses. Upon successful completion of this course, students will have acquired an understanding of the criminal prosecutorial process, while also learning the elements of individual crimes.

Pre-Law 3 (9603B) - 1 credit**Grade level: 11, 12***Prerequisite: Pre-Law 1, Pre-Law 2 and teacher approval.*

This course focuses on trial advocacy from grand jury and initial hearing through trial and sentencing. Topics covered include opening statement, closing argument, direct and cross examination, courtroom decorum, and evidence law. Additionally, this course will prepare students for a competitive mock trial.

Pre-Law 4 (9607) - 1 credit**Grade level: 12***Prerequisite: Pre-Law 1, Pre-Law 2, Pre-Law 3 and teacher approval.*

In this course, students will organize and run Henderson County Teen Court which will be available to enrolled students whom are accused of committing minor infractions at HCHS. Students will be assigned varying roles as judges, prosecutors, defense attorneys, jurors, and investigators. Each case will be presented to a panel of student jurors who will determine guilt and an appropriate punishment. Students will also participate in classroom discussions with guest speakers and attend field trips related to the career aspirations of those enrolled in the class.

Pre-Law Cooperative Education (9605A)-1 credit (9605B)-2 credit (9605C)-3 credits**Grade level: 12***Prerequisite: Pre-Law 1, Pre-Law 2, Pre-Law 3, Pre-Law 4 (or concurrent enrollment in this course) and teacher approval.*

A fluent knowledge of issues surrounding employment in criminal justice is necessary for all that aspire to be successful and effective in these professions. This course allows the criminal justice student the opportunity to broaden their educational experience through observation and work assignments at a recognized criminal justice agency.

MANUFACTURING TECHNOLOGY EDUCATION

Manufacturing Technology 1 (9561) - 1 credit**Grade level: 9, 10**

This course will introduce students to the use of basic machines in industry. These include the drill press, grinders, lathes, and the milling machine. Computer assisted machines are used, therefore AutoCAD and programming are taught. Students will spend one-third of their time in a classroom setting studying blueprint reading (AutoCAD) and programming methods. Two-thirds of their time will be in the shop completing hands-on projects. Projects consist of: puzzle, cube, key chain, rocket, and a license plate. Dual credit is available for KCTCS courses BRX 110 and CMM 110.

Manufacturing Technology 2 (9562) - 2 credit**Grade level: 10, 11***Prerequisite: Manufacturing Technology 1 and teacher approval.*

This course builds on the basic skills learned in Manufacturing Technology 1 while moving into more in-depth projects. Projects include designing and making small scale cars, helicopters, jewelry, and spinner wheels. Students also have a chance to make project of their choice. Introduction of a computer assisted robotic arm is also covered. Dual credit is available for KCTCS course CMM 112.

Manufacturing Technology 3 (9563) - 2 credits**Grade level: 11, 12***Prerequisite: Manufacturing Technology 1, Manufacturing Technology 2 and teacher approval.*

This course provides an opportunity for students to design and make projects of their choice. The course expands on the skills learned in Manufacturing Technology 1 and 2 and introduces new machines. There is more extensive use of the robotic arm and introduction of Inventor software which enables students to create more complex project on computer assisted machines. Dual credit is available for KCTCS courses CMM 120 and CMM 132.

Colonels Machining & Outdoors (9565A)-1 credit (9565B)-2 credits**Grade level: 12***Prerequisite: Manufacturing Technology 1, Manufacturing Technology 2, Manufacturing 3(or concurrent enrollment in this course) and teacher approval.*

This course is a supplementary course to the Manufacturing Technology pathway, which will provide work experience in the HCHS manufacturing shop. The student will be supervised by the manufacturing technology instructor.

Manufacturing Technology Co-op (9566A)-1 credit (9566B)-2 credits (9566C)-3 credits **Grade level: 12**
Prerequisite: Manufacturing Technology 1, Manufacturing Technology 2, Manufacturing 3 (or concurrent enrollment in this course), passing score on the NIMS Measurement, Materials and Safety assessment and teacher approval.

Students must successfully complete a 20 hour job shadowing experience and Industry Employability Skills Assessment. The class will offer training with a local employer. The cooperative class will develop a training plan for students related to their career major. The plan is an agreement developed and signed by the school, student, parent, and employer for on-the-job training. The school arranges with the employer for on-the-job training utilizing the training plan. The students will spend five to fifteen more hours on the job and one or more hours in a related class each week.

Welding 1 (9571) - 1 credit **Grade level: 9, 10**

This course will provide the student an introduction to the welding field. Students will spend 25% of their time in a classroom studying terminology, safety, blueprint reading and career opportunity. The remaining 75% of their time will be hands-on experience in the laboratory setting. Dual credit is available for KCTCS courses WLD 120/121.

Welding 2 (9572) - 2 credits **Grade level: 10, 11**

Prerequisite: Welding 1 and teacher approval.

This course will build on skills learned in Welding 1. A higher percentage of time will be spent in the laboratory setting developing welding skills progressing from flat position welding to horizontal, vertical and overhead positions. Dual credit is available for KCTCS course WLD 130/131 and WLD 140/141.

Welding 3 (9573) - 2 credits **Grade level: 11, 12**

Prerequisite: Welding 1, Welding 2 and teacher approval.

This course will provide the student the opportunity to apply and develop skills learned in previous courses through project-type activities. Skills will be developed in the areas of arc welding, flame cutting, fabrication, layout, MIG and TIG welding. Students who have completed the program will be qualified by a guided bend test. Inquire with welding instructor on certifications. Dual credit is available for KCTCS course WLD 170/171 and WLD123.

HC FABTECH & Design (9574A)-1 credit (9574B)-2 credits **Grade level: 12**

Prerequisite: Welding 1, Welding 2, Welding 3 (or concurrent enrollment in this course) and teacher approval.

This course is a supplementary course to the Welding pathway, which will provide work experience in the HCHS welding shop. The student will be supervised by the HCHS welding instructor.

Welding Cooperative Education (9575A)-1 credit (9575B)-2 credits (9575C)-3 credits **Grade level: 12**

Prerequisite: Welding 1, Welding 2, Welding 3 (or concurrent enrollment in this course), AWS Sense-Level 1 Certification and teacher approval.

The class will offer training with a local employer. This course will develop a training program for students related to their career major. The plan is an agreement developed and signed by the school, student, parent, and employer for on-the-job training. The school arranges with the employer for on-the-job training utilizing the training plan. The students will spend five or more hours on the job and one or more hours in a related class each week.

MEDIA ARTS

Intro to Visual Communications (9580) - 1 credit **Grade level: 9, 10**

This course provides introductory instruction into the elements and principles of design for communication in print media, web design, film and video. It also covers the design process helping the student gain perspective into the basic features of design fundamentals. The course will cover basic print media projects, as well as some introductory web layout projects and a short video project.

Visual Communications 1 (9581) - 1 credit **Grade level: 10, 11**

Prerequisite: Intro to Visual Communications.

This course provides introductory instruction in design for communication in print media, web design, and film and video. It focuses on the tools, strategies, and techniques that teach the steps in design development with meaningful message and concept. The course also explores the methods for creating successful websites from concept to implementation and examines the process of integrating text, graphics, audio and video for effective communication of information. Students will learn the basics of planning, shooting, editing, and post-producing video and sound.

Visual Communications 2 (9582) - 1 credit**Grade level: 11, 12***Prerequisite: Intro to Visual Communications and Visual Communications 1.*

This course provides intermediate instruction in design for communication in print media. It will further focus on the tools, strategies, and techniques that enhance design development with meaningful message and concept. The course explores more in depth the methods for creating successful designs from concept to implementation and examines the process of integrating text, images, graphics, and illustrations for effective communication of information. Develops visual flow and continuity, and applies elements and principles of visual design to comprehensive designs.

Advanced Visual Communications (9587) - 2 credits**Grade level: 12***Prerequisite: Intro to Visual Communications, Visual Communications 1 and Visual Communications 2.*

This course provides advanced instruction and experience with design projects/branding identity, which communicates a common theme or campaign through several different media—print, interactive, and film. The class focuses on knowledge and skills necessary to create and execute good design in print media, web, and video/audio productions. This course is designed to provide the student with a more complete view of the process of design techniques and the video production process. Students will use the terminology and concepts used in the industry.

LAUNCH (9700)-1 credit (9700A)-2 credits (9700B)-3 credits**Grade level: 12***Prerequisite: Intro to Visual Communications, Visual Communications 1, Visual Communications 2, Advanced Visual Communications (or concurrent enrollment in this course) and teacher approval.*

Launch is an intensive study of design principles and concepts materialized through print, video, and web interfaces. It includes a student office acting as an ad agency that provides applications of the design process and client interaction to both the student workers and the entire school district. The LAUNCH students develop and manage the agency through the Visual Communications department and work individually and collectively with clients ranging from the principal to business and industry leaders. Students are real designers in this scenario, and it provides them the best portfolio for college preparation and to be work ready.

Visual Communications Cooperative Education (9584)-1 credit (9585)-2 credits (9586)-3 credits**Grade level: 12***Prerequisite: Intro to Visual Communications, Visual Communications 1, Visual Communications 2, Advanced Visual Communications (or concurrent enrollment in this course) and teacher approval.*

This class will offer training with a local employer. The cooperative class will develop a training program for students related to their career major. The plan is an agreement developed and signed by the school, student, parent, and employer for on-the-job training. The school arranges with the employer for on-the-job training utilizing the training plan. The students spend five or more hours on the job and one or more hours in a related class each week.

TRANSPORTATION EDUCATION

Automotive Technology 1 (9511) - 1 credit**Grade level: 9, 10**

This course will provide the student with an introduction to the automotive field. Topics covered in the class include career opportunities, shop safety, automotive measurements, basic hand and power tools, computer based service information and brake systems.

Automotive Technology 2 (9512) - 2 credits**Grade level: 10, 11***Prerequisite: Automotive Technology 1 and teacher approval.*

The course introduces the student to the principles, theories, and concepts of the automotive electrical systems. Unique diagramming, coding and location of wiring, and component devices will be covered. Students will have an opportunity to enroll in the Automotive Youth Educational Systems program. This program offers the student an opportunity to job shadow and apply for an internship in a local automotive dealership.

Automotive Technology 3 (9513) - 2 credits**Grade level: 11, 12***Prerequisite: Automotive Technology 1, Automotive Technology 2 and teacher approval.*

This course will provide the student the opportunity to practice diagnostic and service procedures used to repair the various systems of the automobile. Theory, component identification, application, operation, and service of the basic fuel ignition, emission control, computer systems, engine repair, steering and suspension will be covered. Dual credit is available for KCTCS course AUT 110/111.

HC Auto (9514A)-1 credit (9514B)-2 credits

Grade level: 12

Prerequisite: Automotive Technology 1, Automotive Technology 2, Automotive Technology 3 (or concurrent enrollment in this course) and teacher approval.

This course is a supplementary course to the Automotive Technology Pathway, which will provide work experience in the HCHS Automotive shop. The student will be supervised by the automotive instructor.

Automotive Technology Cooperative Education (9515A)-1 credit (9515B)-2 credits (9515C)-3 credits Grade level: 12

Prerequisite: Automotive Technology 1, Automotive Technology 2, Automotive Technology 3 (or concurrent enrollment in this course), passing score on the ASE MLR or AST industry certification assessment, and teacher approval.

Students must successfully complete a 20 hour job shadowing experience and Industry Employability Skills Assessment. The class will offer training with a local employer. The cooperative class will develop a training program for students related to their career major. The plan is an agreement developed and signed by the school, student, parent, and employer for on-the-job training. The school arranges with the employer for on-the-job training utilizing the training plan. The students will spend five or more hours on the job and one or more hours in a related class each week.

Henderson County High School

9th Grade Course List

ENGLISH

2102 Reading Strategies
2103 College Prep Reading A
2111 English 1
2111A English 1-Advanced
2121A English 2-Advanced
2451 Intro to Journalism Arts
2457 Digital Storytelling-Fall (0.5cr)
2458 Digital Storytelling-Spring (0.5cr)
2491 View/Read Mysteries (0.5cr)

MATH

3100 Algebra Lab
3103F Algebra 1
3108A Algebraic Data & Measurement Adv
3121 Geometry-Advanced
3444 Adv. Mathematical Problem Solving (AMPS)

SCIENCE

4103 Integrated Physical Science (IPS)
4103A Integrated Physical Science Advanced
4420 AP Environmental Science

SOCIAL STUDIES

5101 World Civilization
5102 World Civilization-Adv.
5402 AP European History
5414 AP Human Geography
6428 AP Art History
5400 College Studies & Inquiry
5406 History & Lit of Biblical Era (0.5cr)
5419 Law & Justice (0.5cr)
5425 Eyes on the Prize (0.5cr)
5437 World War II Germany (0.5cr)

FINE ARTS

6399 Piano/Keyboarding
6400 History/Appreciation of Visual and Performing Arts
6401 Concert Band

6403 Symphonic Band
6404 Percussive Studies
6405 Jazz Band
6406 Intro to Guitar
6408 Wind Ensemble
6410B Men's Chorus
6416 Beginners' Band
6419 Intro to Visual Art
6420A Sculpture 1
6421 Art 1
6428 AP Art History
6434 SoFA Theatre
6435 SoFA Voice
6436 SoFA Instrumental
6437 SoFA Studio Art
6446 Treble Chorus

WORLD LANGUAGE

6151 Spanish 1
6151B/6152B Spanish 1 & 2 Block (2cr)

HEALTH/PE

7488/7489 Freshman Health & PE

CAREER & TECHNICAL EDUCATION

AGRICULTURAL EDUCATION

7445 Principles of Agricultural

BUSINESS AND MARKETING EDUCATION

7200 Principles of Hospitality
7404 Accounting and Finance Foundations (Accounting 1)
7436 Foods and Nutrition
9426 Business and Marketing Essentials (0.5cr)
9427 Ethical Leadership (0.5cr)
9428 Technology and Finance (0.5cr)
9429 Marketing Principles

COMPUTER SCIENCE

9540 Programming 1 (Computer Literacy)

CONSTRUCTION TECHNOLOGY

9531 Construction Tech 1

EDUCATION AND TRAINING

8001 The Learning Community

ENGINEERING AND TECHNOLOGY EDUCATION

9589 Engineering 1

FAMILY & CONSUMER SCIENCE: CULINARY ARTS

7430 Life Skills
7436 Foods & Nutrition

FAMILY & CONSUMER SCIENCE: EARLY CHILDHOOD EDUCATION

7430 Life Skills
7433 Child/Human Development

HEALTH SCIENCES

9558 Medical Terminology

JROTC - ARMY

7420 LET 101
(Replaces Freshman Health & PE)

LAW AND PUBLIC SAFETY

9601 Pre-Law 1

MANUFACTURING TECHNOLOGY EDUCATION: CNC OPERATOR

9561 Manufacturing Tech 1

MANUFACTURING TECHNOLOGY EDUCATION: WELDING TRACK

9571 Welding 1

MEDIA ARTS

9580 Intro to Visual Communication

TRANSPORTATION EDUCATION

9511 Auto Tech 1

*Indicates a .5 credit course

Henderson County High School

10th Grade Course List

ENGLISH

2104 College Prep Reading B
2121 English 2
2121A English 2-Adv
2142 AP Seminar/Capstone
2433 AP English 3 Language and Composition
2451 Intro to Journalism Arts
2454 Journalism 2
2457 Digital Storytelling-Fall (0.5cr)
2458 Digital Storytelling-Spring (0.5cr)
2459 Sports Journalism-Fall (0.5cr)
2460 Sports Journalism-Spring (0.5cr)
2481 Yearbook 1 (0.5cr)
2482 Yearbook (0.5cr)
2491 View/Reading Mysteries (0.5cr)
2493 Film Appreciation (0.5cr)
2494 Creative Writing (0.5cr)
2498 Poetry (0.5cr)

MATH

3108 Algebraic Data & Measurement
3121 Geometry-Advanced
3113CA Algebra 2 w/Pre-cal
3443 AP Computer Science A
3444 Adv. Mathematical Problem Solving (AMPS)

SCIENCE

4100 Biology
4100A Biology-Advanced
4200 Agri-Biology
4413 AP Biology
4420 AP Environmental Sci.
4426 Physics
4430 AP Physics 1
4429 AP Physics C (Mechanics)
4442 Astronomy (0.5cr)
4443 Meteorology (0.5cr)
4416 Zoology (0.5cr)
4419 Forensic Science (0.5cr)

SOCIAL STUDIES

5103 Civics/Economics
5405 AP US Government
5401 Sociology
5404 Psychology
5406 History & Lit of Biblical Era (0.5cr)
5413 AP Psychology
5402 AP European History
5414 AP Human Geography
5409 AP Microeconomics
6428 AP Art History
5400 College Studies/Inquiry
5419 Law & Justice (0.5cr)
5425 Eyes on the Prize (0.5cr)
5403 Abnormal Psychology (0.5cr)
5437 World War II Germany (0.5cr)

FINE ARTS

6399 Piano/Keyboarding
6400 History/Appreciation of Visual and Performing Arts
6401 Concert Band
6403 Symphonic Band
6404 Percussive Studies
6405 Jazz Band
6406 Intro to Guitar
6408 Wind Ensemble
6409 AP Music Theory
6410B Men's Chorus
6413 Prep. Music Theory
6416 Beginners' Band
6419 Intro to Visual Art
6420A Sculpture 1
6420B Sculpture 2
6421 Art 1
6422 Art 2
6449 AP Art & Design Program
6428 AP Art History
6434 SoFA Theatre
6435 SoFA Voice
6436 SoFA Instrumental
6437 SoFA Studio Art

6438 Musical Theatre
6439 Theatre History and Literature
6440 Theatre 1
6441 Theatre 2
6442 Theatre Management and Production
6446 Treble Chorus
6447 Advanced Treble Chorus
6448 Colonel Singers

WORLD LANGUAGE

6151 Spanish 1
6152 Spanish 2
6453 Spanish 3
6151B/6152B Spanish 1 & 2 Block (2cr)

HEALTH/PE

7490F PE/Personal Wellness & Fitness-Fall (0.5cr)
7490S PE/Personal Wellness & Fitness -Spring (0.5cr)
7493F Advanced PE Lifetime & Individual Sports-Fall (0.5cr)
7493S Advanced PE Lifetime & Individual Sports-Spring (0.5cr)
7495F PE/Strength & Conditioning-Fall (0.5cr)
7495S PE/Strength & Conditioning-Spring (0.5cr)
7497F Advanced PE/Team Sports-Fall (0.5cr)
7497S Advanced PE/Team Sports-Spring (0.5cr)

Henderson County High School

10th Grade Course List (cont.)

CAREER & TECHNICAL EDUCATION

AGRICULTURAL EDUCATION

4200 Agri-Biology (Science Credit)
7445 Principles of Agriculture
7446 Animal Science
7451 Intro to Greenhouse/
Crop Production
7459 Floral Design
7468 Small Animal Technology
7474 Agriculture Sales & Marketing

BUSINESS & MARKETING EDUCATION

7200 Principles of Hospitality
7390 Office Administration
7404 Accounting and Finance
Foundations (Acct 1)
7405 Financial Management (Acct 2)
7436 Foods and Nutrition
9426 Business and Marketing
Essentials (0.5cr)
9427 Ethical Leadership (0.5cr)
9428 Technology & Finance (0.5cr)
9429 Marketing Principles
9430 Marketing 1
9539 Principles of Entrepreneurship (0.5cr)

COMPUTER SCIENCE

9540 Programming 1
(Computer Literacy)
9541 Programming 2
(Introduction to Programming)

CONSTRUCTION TECHNOLOGY

9531 Construction Tech 1
9532 Construction Tech 2 (2cr)

EDUCATION AND TRAINING

8001 The Learning Community
8002 The Learner-Centered Classroom

ENGINEERING AND TECHNOLOGY EDUCATION: ELECTRICAL/CIVIL

9589 Engineering 1
9590 Engineering 2
3443 AP Computer Science

ENGINEERING AND TECHNOLOGY EDUCATION: CMM

9589 Engineering 1
9561 Manufacturing Tech 1

FAMILY & CONSUMER SCIENCE: CULINARY ARTS

7430 Life Skills
7436 Foods & Nutrition
7437 Culinary Arts 1

FAMILY & CONSUMER SCIENCE: EARLY CHILDHOOD EDUCATION

7430 Life Skills
7433 Child/Human Development
7434 Child Dev Services 1
7432 Relationships & Parenting

HEALTH SCIENCE

9558 Medical Terminology
9481 Health Science 1

JROTC-ARMY

7422 LET 201
7426 LET501/Adv. PE

LAW AND PUBLIC SAFETY

9601 Pre-Law 1
9602B Pre-Law 2

MANUFACTURING TECHNOLOGY EDUCATION: CNC OPERATOR

9561 Manufacturing Tech 1
9562 Manufacturing Tech 2 (2cr)

MANUFACTURING TECHNOLOGY EDUCATION: WELDING TRACK

9571 Welding 1
9572 Welding 2 (2cr)

MEDIA ARTS

9580 Intro to Visual Communication
9581 Visual Communication 1

TRANSPORTATION EDUCATION

9511 Auto Tech 1
9512 Auto Tech 2 (2cr)

Henderson County High School

11th Grade Course List

ENGLISH

2131 English 3
2433 AP English 3 Language and Composition
2142 AP Seminar/Capstone
2143 AP Research/Capstone
2451 Intro to Journalism Arts
2454 Journalism 2
2455 Journalism 3
2457 Digital Storytelling-Fall (0.5cr)
2458 Digital Storytelling-Spring (0.5cr)
2459 Sports Journalism-Fall (0.5)
2460 Sports Journalism-Spring (0.5cr)
2481 Yearbook 1 (0.5cr)
2482 Yearbook 2 (0.5cr)
2491 View/Reading Mysteries (0.5cr)
2493 Film Appreciation (0.5cr)
2494 Creative Writing (0.5cr)
2492 Intro to Philosophy (0.5cr)
2498 Poetry (0.5cr)

MATH

3120 Geometry
3113CA Algebra 2/Pre-Cal.
3113CO Algebra 2/ Pre-Col. Algebra
3440 AP Calculus AB
3436 AP Statistics
3443 AP Computer Science A
3444 Adv. Mathematical Problem Solving (AMPS)

SCIENCE

4121 Chemistry
4121A Chemistry-Adv
4122 AP Chemistry
4413 AP Biology
4420 AP Environ. Science
4426 Physics
4430 AP Physics 1
4429 AP Physics C (Mechanics)
4417 Anatomy & Physiology
4442 Astronomy (0.5cr)
4443 Meteorology (0.5cr)
4416 Zoology (0.5cr)
4419 Forensic Science (0.5cr)

SOCIAL STUDIES

5106 US History
5408 AP US History
5405 AP US Government
5401 Sociology
5404 Psychology
5413 AP Psychology
5402 AP European History
5414 AP Human Geography
5409 AP Microeconomics
6428 AP Art History
5400 College Studies & Inquiry
5406 History & Lit of Biblical Era (0.5cr)
5419 Law & Justice (0.5cr)
5425 Eyes on the Prize (0.5cr)
5403 Abnormal Psychology (0.5cr)
5437 WW II Germany (0.5cr)

FINE ARTS

6399 Piano/Keyboarding
6400 History/Appreciation of Visual and Performing Arts
6401 Concert Band
6403 Symphonic Band
6404 Percussive Studies
6405 Jazz Band
6406 Intro to Guitar
6408 Wind Ensemble
6409 AP Music Theory
6410B Men's Chorus
6413 Prep. Music Theory
6416 Beginners' Band
6419 Intro to Visual Art
6420A Sculpture 1
6420B Sculpture 2
6421 Art 1
6422 Art 2
6423 Art 3
6449 AP Art & Design Program
6428 AP Art History
6434 SoFA Theatre
6435 SoFA Voice
6436 SoFA Instrumental
6437 SoFA Studio Art
6438 Musical Theatre

6439 Theatre History and Literature
6440 Theatre 1
6441 Theatre 2
6442 Theatre Management & Production
6446 Treble Chorus
6447 Avanced Treble Chorus
6448 Colonel Singers

WORLD LANGUAGE

6151 Spanish 1
6152 Spanish 2
6453 Spanish 3
6455 AP Spanish
6151B, 6152B Spanish 1 & 2 Block (2cr)

HEALTH/PE

7490F PE/Personal Wellness & Fitness-Fall (0.5cr)
7490S PE/Personal Wellness & Fitness -Spring (0.5cr)
7493F Advanced PE Lifetime & Individual Sports-Fall (0.5cr)
7493S Advanced PE Lifetime & Individual Sports-Spring (0.5cr)
7495F PE/Strength & Conditioning-Fall (0.5cr)
7495S PE/Strength & Conditioning-Spring (0.5cr)
7497F Advanced PE/Team Sports-Fall (0.5cr)
7497S Advanced PE/Team Sports-Spring (0.5cr)

MISCELLANEOUS

7461 Peer Tutor (0.5cr)

Henderson County High School

11th Grade Course List (cont.)

CAREER & TECHNICAL EDUCATION

AGRICULTURE

7446 Animal Science
7450 Greenhouse Technology
7451 Intro to Greenhouse/
Crop Production
7459 Floral Design
7468 Small Animal Technology
7467 Veterinary Science
7474 Agriculture Sales/Marketing

BUSINESS AND MARKETING EDUCATION

7390 Office Administration
7391 Microsoft Office Specialist
7404 Accounting and Finance
Foundations (Acct 1)
7405 Financial Management (Acct 2)
7436 Foods and Nutrition
9426 Business and Marketing
Essentials (0.5cr)
9427 Ethical Leadership (0.5cr)
9428 Technology & Finance (0.5cr)
9430 Marketing 1
9431 Marketing 2 (Market Place)
9536D Personal Finance-BAS 120 (1cr)
9536F Personal Finance-BAS 120 (0.5cr)
9538 Introduction to Management
9539 Principles of Entrepreneurship (0.5cr)
TBD Travel and Tourism Marketing
(offered 2024-2025 school year)

COMPUTER SCIENCE

9541 Programming 2
(Introduction to Programming)
9544 Programming 3
(Web Page Development)
9543 Programming 4
(Project-Based Programming)

CONSTRUCTION TECHNOLOGY

9532 Construction Tech 2 (2cr)
9533 Construction Tech 3 (2cr)

EDUCATION AND TRAINING

8002 The Learner-Centered
Classroom
TBD The Professional Educator
(offered 2024-2025 school year)

ENGINEERING AND TECHNOLOGY

EDUCATION: ELECTRICAL

9590 Engineering 2
9592 Electrical Engineering
3443 AP Computer Science

ENGINEERING AND TECHNOLOGY

EDUCATION: CMM

9589 Engineering 1
9561 Manufacturing Tech 1
9562 Manufacturing Tech 2 (2cr)

ENGINEERING AND TECHNOLOGY

EDUCATION: CIVIL

9590 Engineering 2
9591 Civil Engineering
3443 AP Computer Science

FAMILY & CONSUMER SCIENCE:

CULINARY ARTS

7430 Life Skills
7437 Culinary Arts 1
7438 Culinary Arts 2 (2cr)
7429 Adv. Food/Nutrition

FAMILY & CONSUMER SCIENCE:

EARLY CHILDHOOD EDUCATION

7433 Child/Human Dev
7434 Child Dev Services 1
7430 Life Skills
7432 Relationships & Parenting

HEALTH SCIENCES

9558 Medical Terminology
9483 Health Sci. 2-Fund.
7410 Health Science 2-Med Office
9482 Health Sci. 2-SRNA
9482F SRNA Lab-Fall (0.5cr)
9482S SRNA Lab-Spring (0.5cr)
4417 Anatomy/Physiology
9559 Medical Admin. & Dosage
Calculations

JROTC-JROTC

7424 LET 301
7426 LET501/Adv. PE
7427 JROTC Command and Staff

LAW AND PUBLIC SAFETY

9602B Pre-Law 2
9603B Pre-Law 3

MANUFACTURING

TECHNOLOGY: CNC OPERATOR

9562 Manufacturing Tech 2 (2cr)
9563 Manufacturing Tech 3 (2cr)

MANUFACTURING

TECHNOLOGY: WELDING TRACK

9572 Welding 2 (2cr)
9573 Welding 3 (2cr)

TRANSPORTATION EDUCATION

9512 Auto Tech 2 (2cr)
9513 Auto Tech 3 (2cr)

MEDIA ARTS

9581 Visual Communication 1
9582 Visual Communication 2

Henderson County High School

12th Grade Course List

ENGLISH

2141 English
2443 AP English 4 Literature and Composition
2142 AP Seminar/Capstone
2143 AP Research/Capstone
2444 English 102
2451 Intro to Journalism Arts
2454 Journalism 2
2455 Journalism 3
2457 Digital Storytelling-Fall (0.5cr)
2458 Digital Storytelling-Spring (0.5cr)
2459 Sports Journalism-Fall (0.5cr)
2460 Sports Journalism-Spring (0.5cr)
2482 Yearbook 2 (0.5cr)
2491 Viewing/Reading Mysteries (0.5cr))
2493 Film Appreciation (0.5cr)
2494 Creative Writing (0.5cr)
2497 Basic Public Speaking
2492 Intro to Philosophy (0.5cr)
2498 Poetry*

MATH

3113 Algebra 2
3113CA Algebra 2 w/Pre-Calculus
3113 CO Algebra 2 w/Pre-Col Alg
3431 College Algebra (MAT 150)
3425 College Algebra (HCHS)
3432 Trigonometry (MAT 155)
3440 AP Calculus AB
3441 AP Calculus BC
3436 AP Statistics
3443 AP Computer Science A
3444 Adv. Mathematical Problem Solving (AMPS)
7476 Agricultural Math
9536 Personal Finance (Math Credit)

SCIENCE

4122 AP Chemistry
4123 Chemistry 2
4413 AP Biology
4420 AP Environmental Science
4426 Physics
4430 AP Physics 1
4429 AP Physics C (Mechanics)
4417 Anatomy/Physiology
4442 Astronomy (0.5cr)
4443 Meteorology (0.5cr)
4416 Zoology (0.5cr)
4419 Forensic Science (0.5cr)

SOCIAL STUDIES

5405 AP US Government
5401 Sociology
5404 Psychology
5413 AP Psychology
5402 AP European History
5414 AP Human Geography
5409 AP Microeconomics
6428 AP Art History
5400 College Studies & Inquiry
5406 History & Lit of Biblical Era (0.5cr)
5418A Community Involvement A
5418B Community Involvement B
5419 Law & Justice (0.5cr)
5425 Eyes on the Prize (0.5cr)
5403 Abnormal Psychology (0.5cr)
5437 World War II Germany (0.5cr)

FINE ARTS

6399 Piano/Keyboarding
6400 History/Appreciation of Visual & Performing Arts
6401 Concert Band
6403 Symphonic Band
6404 Percussive Studies
6405 Jazz Band
6406 Intro to Guitar
6408 Wind Ensemble
6409 AP Music Theory
6410B Men's Chorus
6413 Prep. Music Theory
6419 Intro to Visual Art
6420A Sculpture 1
6420B Sculpture 2
6421 Art 1
6422 Art 2
6423 Art 3
6424 Art 4
6449 AP Art & Design Program
6428 AP Art History
6434 SoFA Theatre
6435 SoFA Voice
6436 SoFA Instrumental
6437 SoFA Studio Art
6438 Musical Theatre
6439 Theatre History & Literature
6440 Theatre 1
6441 Theatre 2
6442 Theatre Mgmt. & Production
6443 Intro to Music (MUS 100)
6446 Treble Chorus

6447 Avanced Treble Chorus
6448 Colonel Singers

WORLD LANGUAGE

6151 Spanish 1
6152 Spanish 2
6453 Spanish 3
6455 AP Spanish
6151B/6152B Spanish 1 &2 Block (2cr)

HEALTH/PE

7490F PE/Personal Wellness & Fitness-Fall (0.5cr)
7490S PE/Personal Wellness & Fitness -Spring (0.5cr)
7493F Advanced PE Lifetime & Individual Sports-Fall (0.5cr)
7493S Advanced PE Lifetime & Individual Sports-Spring (0.5cr)
7495F PE/Strength & Conditioning-Fall (0.5cr)
7495S PE/Strength & Conditioning-Spring (0.5cr)
7497F Advanced PE/Team Sports-Fall (0.5cr)
7497S Advanced PE/Team Sports-Spring (0.5cr)

MISCELLANEOUS

7461 Peer Tutor (0.5cr)
7170 Teacher's Aide (0 cr)
7462 Elementary Reading Tutor

CAREER & TECHNICAL EDUCATION

AGRICULTURAL EDUCATION

7446 Animal Science
7450 Greenhouse Technology
7451 Intro to Greenhouse/
Crop Production
7459 Floral Design
7467 Veterinary Science
7468 Small Animal Technology
7455 Ag Co-op (1 cr)
7456 Ag Co-op (2 cr)
7457 Ag Co-op (3 cr)
7474 Agriculture Sales & Marketing

BUSINESS AND MARKETING EDUCATION

7390 Office Administration
7391 Microsoft Office Specialist

Henderson County High School

12th Grade Course List (cont.)

7404 Accounting & Finance Foundations (Acct 1)
 7405 Financial Management (Acct 2)
 7406/7407 Financial Services 1 & 2 (Colonel Corner Bank)(2cr)
 7436 Foods and Nutrition
 9426 Business and Marketing Essentials (0.5cr)
 9427 Ethical Leadership (0.5cr)
 9428 Technology & Finance (0.5cr)
 9430 Marketing 1
 9432A Marketing Co-op (1 cr)
 9432B Marketing Co-op (2 cr)
 9432C Marketing Co-op (3 cr)
 9433 Marketplace School Based Enterprise
 9525A Business Co-op (1 cr)
 9525B Business Co-op (2 cr)
 9536D Personal Finance-BAS 120 (1cr)
 9536F Personal Finance-BAS 120 (0.5cr)
 9538 Introduction to Management
 9539 Principles of Entrepreneurship (0.5cr)
 TBD Travel and Tourism Marketing (offered 2024-2025 school year)
 TBD Specialized Services in Hospitality (2cr) (offered 2024-2025 school year)

COMPUTER SCIENCE

9544 Programming 3 (Web Page Development)
 9543 Programming 4 (Project-Based Programming)
 9505 Computer Science Co-op (1 cr)
 9506 Computer Science Co-op (2 cr)
 9507 Computer Science Co-op (3 cr)
 9508A Computer Science Reach (1 cr)
 9508B Computer Science Reach (2 cr)
 9508C Computer Science Reach (3 cr)

CONSTRUCTION TECHNOLOGY

9533 Construction Tech 3 (2cr)
 9534A HCH Dream Builders (1cr)
 9534B HCH Dream Builders (2cr)
 9535A Construction Co-op (1 cr)
 9535B Construction Co-op (2 cr)
 9535C Construction Co-op (3 cr)

EDUCATION AND TRAINING

TBD The Professional Educator (offered 2024-2025 school year)
 TBD Collaborative Clinical Experience (offered 2024-2025 school year)

ENGINEERING AND TECHNOLOGY EDUCATION: ELECTRICAL

9592 Electrical Engineering
 9598 Engineering Capstone
 3443 AP Computer Science
 9594A Engineering Co-op (1 cr)
 9594B Engineering Co-op (2 cr)
 9594C Engineering Co-op (3 cr)

ENGINEERING AND TECHNOLOGY EDUCATION: CMM

9589 Engineering 1
 9561 Manufacturing Tech 1
 9562 Manufacturing Tech 2 (2cr)
 9564 Manufacturing Engineering

ENGINEERING AND TECHNOLOGY EDUCATION: CIVIL

9591 Civil Engineering
 9598 Engineering Capstone
 3443 AP Computer Science
 9594A Engineering Co-op (1 cr)
 9594B Engineering Co-op (2 cr)
 9594C Engineering Co-op (3 cr)

FAMILY & CONSUMER SCIENCE: CULINARY ARTS

7429 Adv Foods/Nutrition
 7430 Life Skills
 7438 Culinary Arts (2 cr)
 7439 Culinary Arts Co-op (1 cr)
 7440 Culinary Arts Co-op (2 cr)
 7441 Culinary Arts Co-op (3 cr)
 7442 Colonel's Kitchen (1 cr)
 7442A Colonel's Kitchen (2 cr)
 7442B Colonel's Kitchen (3 cr)

FAMILY & CONSUMER SCIENCE: EARLY CHILDHOOD EDUCATION

7430 Life Skills
 7433 Child/Human Dev
 7435 Child Dev Services 2
 7432 Relationships & Parenting
 7431A Early Childhood Apprentice (1cr)
 7431B Early Childhood Apprentice (2cr)

HEALTH SCIENCES

9558 Medical Terminology
 9484 Health Science 3 (3 cr)
 9485 Health Science 3 w/Co-op (4 cr)
 9484MO Health Science 3 Med Office (3cr)

4417 Anatomy/Physiology
 9559 Medical Admin. & Dosage

JROTC-ARMY

7425 LET 401
 7426 LET501/Adv. PE
 7427 JROTC Command and Staff

LAW & PUBLIC SAFETY

9603B Pre-Law 3
 9604 Pre-Law 4
 9605A Pre-Law Co-op (1 cr)
 9605B Pre-Law Co-op (2 cr)
 9605C Pre-Law Co-op (3 cr)

MANUFACTURING TECHNOLOGY: CNC OPERATOR

9563 Manufacturing Tech 3 (2cr)
 9565A Colonels Machining & Outdoors (1cr)
 9565B Colonels Machining & Outdoors (2cr)
 9566A Manufacturing Co-op (1 cr)
 9566B Manufacturing Co-op (2 cr)
 9566C Manufacturing Co-op (3 cr)

MANUFACTURING TECHNOLOGY: WELDING TRACK

9573 Welding 3 (2cr)
 9574A HC FABTECH & Design (1cr)
 9574B HC FABTECH & Design (2cr)
 9575A Welding Co-op (1 cr)
 9575B Welding Co-op (2 cr)
 9575C Welding Co-op (3 cr)

MEDIA ARTS

9582 Visual Communication 2
 9587 Adv. Visual Communications (2cr)
 9584 Vis. Com. Co-op (1 cr)
 9585 Vis. Com. Co-op (2 cr)
 9586 Vis. Com. Co-op (3 cr)
 9700A LAUNCH (1 cr)
 9700B LAUNCH (2 cr)
 9700C LAUNCH (3 cr)

TRANSPORTATION EDUCATION

9513 Auto Tech 3 (2cr)
 9514A HC Auto (1cr)
 9514B HC Auto (2cr)
 9514C HC Auto (3cr)
 9515A Auto Co-op (1 cr)
 9515B Auto Co-op (2 cr)
 9515C Auto Co-op (3 cr)

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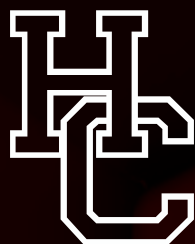
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2424 ZION ROAD, HENDERSON KY 42420

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