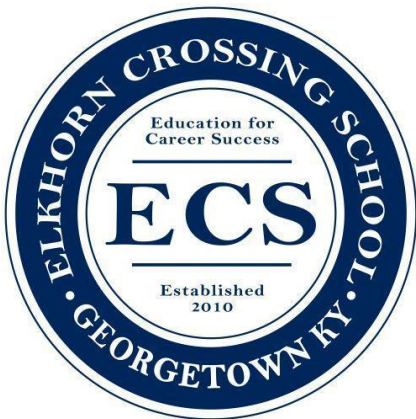


# Scott County High School

## Course Guide for 2022-2023



*Elkhorn Crossing School*

# ***Scott County Schools***

***2168 Frankfort Pike  
Georgetown, KY 40324  
502-863-3663***

**Mr. Billy Parker, Superintendent  
Ms. Debra Reed, Director of Secondary Schools**

## ***“Equal Education and Employment Opportunity”***

### **Scott County Schools District Vision Statement**

*All Scott County students achieve their highest level of academic success and personal growth by learning core content through engaging work in a secure and inviting environment.*

### **Scott County Schools District Belief Statements**

*The district takes the responsibility for providing engaging and meaningful learning opportunities. Student learning is the focus when making decisions. Achievement improves when students are engaged in their work and choose to share in the responsibility for learning. Schools supported by the community are safe and inviting places enabling students to learn at higher levels.*

***Scott County High School  
1080 Cardinal Dr.  
Georgetown, KY 40324  
502-863-4131***

***Mrs. Elizabeth P. Gabehart, Principal***

***Mrs. Amanda Burrows, Assistant Principal (A - F)  
Mr. Brian McIntyre, Assistant Principal (G - O)  
Mr. Eddie Clement, Assistant Principal (P - Z)***

***Mrs. Meredith Schwindel, Counselor (A - F)  
Mrs. Katelyn Flynn, Counselor (G - O)  
Mrs. Janet Fox, Counselor (P - Z)***

***Elkhorn Crossing School  
2001 Frankfort Rd.  
Georgetown, KY 40324  
502-570-4920  
Mr. John Noll, Principal  
Mrs. Maria Lyons, Counselor***

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# Scheduling Instructions

1. Descriptions for all courses may be found in the online Course Guide which can be viewed at [www.scott.kyschools.us](http://www.scott.kyschools.us) (go to one of the secondary schools, then click on 2022-2023 Course Guide). Specific academic requirements are listed on pages 11 of the Course Guide.
2. Students must complete each step on this form to ensure they have requested enough courses to fill **6 periods**. If you do not register for a full schedule of classes (6 periods), or if you do not provide alternates to select from, your schedule will be filled with the courses that are available and you will not be permitted to request a schedule change.
3. Please check the course guide for specific course requirements and/or prerequisite courses.
4. **Once course requests have been selected and entered into the Infinite Campus scheduling portal, requests will become a commitment on the part of the student to remain in the requested courses; however, students will have the opportunity to make enrollment and scheduling changes at the end of the school year pending space and course availability.** While every effort will be made to accommodate the requests indicated, the following factors may affect the student's final schedule:
  - a. The courses listed in the course guide and on the schedule request forms represent possibilities for the 2022-2023 master schedule. If a course listed is not requested by a sufficient number of students during registration, that course will not be included in the master schedule. If that occurs, an alternate course will be substituted.
  - b. Based on staffing constraints, students may not receive all courses requested due to the large number of student requests. In scheduling classes, priority is given to upperclassmen.
  - c. If a student registers for two courses that are offered in the final master schedule during the same class period, one course will be placed in the student's final schedule and an alternate course will be selected to fill the other class period.
  - d. If a student requests a course for which they do not meet the prerequisite, the student's schedule will be adjusted and an alternate course will be used to fill the class period.
  - e. Elective courses are rarely offered more than one or two periods per day; therefore, once the master schedule is finalized, students will be expected to remain in the elective course(s) they have requested.
5. Schedule changes must meet SBDM guidelines to be approved. Changes will only be considered if the student is academically misplaced, is missing a class period, has a duplicate class or previously completed a class in the schedule, lacks a required course for graduation and is scheduled to graduate at the end of 2022-2023 school year, or does not meet the prerequisite for the course. Students may not request a change for any other reason. Students may not request a schedule change based on teacher or class period preference.
6. If a student fails a class and needs to repeat it, then sophomores and juniors must retake the course in summer school, take the course online during the school year, or take the course the following school year (math and/or courses with a prerequisite requirement will be the only exception to this rule). Seniors will have the option to retake courses needed for graduation during the school day if the course will fit into the regular school day schedule and if the course has space available for the student. Otherwise, online options may be available.
7. Selecting ALTERNATE COURSES on the **Schedule Request Form** is an important, REQUIRED part of the registration process. Please select a minimum of four alternate courses in the appropriate section of the **Schedule Request Form**. Special consideration should be given to these selections because they may end up in your final schedule and schedule changes will not be permitted.
8. **Final responsibility for choosing your classes belongs to you and your parent/s.** A schedule request verification form will be provided to all students once requests have been entered. Parents/students will have the opportunity to make changes from **March 7-18**. After this date, no changes to the schedule requests will be considered unless it's directly linked to open enrollment.
9. Counselors will meet with students through English classes on **February 1 - 11** to walk students through the scheduling process and answer scheduling questions. Counselors will be available in the SCHS/ECS Counseling Office from **February 14 - 17** for individual help as needed.

## Grading Scale

100 - 90% .....	A
89 - 80% .....	B
79 - 70% .....	C
65 - 69% .....	D
0 - 64% .....	F

## Grades and Reporting Periods

Report cards are issued every nine weeks. Each nine weeks grade counts as 25% of the student's total grade average for the academic year unless otherwise indicated in the teacher's syllabus. Mid-term progress reports will be issued 4.5 weeks into the grading period.

Credit is awarded in a class when the final grade is equal to or higher than 64.5% - D.

Student grades are always available to view via Infinite Campus. Final grades for courses are determined by averaging the grades at the end of each nine week grading period. Unless otherwise stated in the class syllabus, the grade received at the end of each nine weeks is 25% of the final grade received in the class. Final grades are rounded to the nearest whole number.

**Example:**

1st 9 weeks	2nd 9 weeks	3rd 9 weeks	4th 9 weeks	Final Grade
69%- D	76% - C	89% - B	85% - B	79.75% - B

Starting with the 2014-15 school year, all AP and Dual Credit courses will be weighted; therefore, an A= 5 points, B= 4 points, C= 3 points, and D= 2 points. Non-AP/Dual Credit courses are on a regular 4.0 scale.

## Credits Needed for Grade Placement

- 4.5 Credits to be classified as a sophomore
- 10 credits to be classified as a junior
- 16 credits to be classified as a senior
- 22 credits required to graduate

## Pre-College Curriculum at Scott County High School

This curriculum has been adopted by the Kentucky Council on Higher Education, and endorsed by Kentucky's public universities. It consists of minimum courses necessary for graduation AND to prepare students for college and may be required by state universities before a student can enroll.

The pre-college curriculum is the result of many citizens working to improve the educational system in Kentucky, particularly as it relates to a student's preparation for college-level studies. The curriculum, as adopted by the Council on Higher Education, has been endorsed by the public universities, the Council of Independent Kentucky Colleges and Universities, and others concerned with educational improvements.

The pre-college curriculum is a clear statement of higher education's expectations regarding the college educational preparation of students. By Kentucky law, the council is responsible for setting the minimum requirements for admission to Kentucky's public universities. Students entering one of these institutions are required to have completed high school, may be required to have completed the pre-college curriculum, and may be required to have completed the ACT or SAT examination. Bear in mind that these are the minimum standards and that each university may require additional preparation of its entering students. Students are encouraged to begin to consider college choices early and become aware of the requirements of each being considered.

The council believes firmly that this curriculum will benefit every student whether or not the student plans to attend college. It is important for the future of the Commonwealth that all students be encouraged to reach their full academic potential.

Total Credits Required	9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>
4 English	English 1 or Honors Eng. 1	English 2 or Honors Eng. 2	English 3 or AP Eng. Language & Comp. , DC ENG 101	English 4 or AP Eng. Literature & Comp, DC ENG 101 or ENG 102
*4 Math	Algebra 1 or Honors Geometry	Geometry or Honors Algebra 2	Algebra 2 or Pre-Calculus	4 <sup>th</sup> year of math required
3 Science	Int Bio w/ ESS	Int Chem w/ ESS	Physical Science	
3 Social Studies	Integrated Social Studies, AP Gov. & Politics, or AP Human Geography	World History or AP World History	U.S. History or AP U.S. History	
½ Health & ½ PE	Health/PE			
**1 Arts/Humanities	Course choices listed below			
***2 World Language	<b>(NOT REQUIRED TO GRADUATE)</b>			

\*All students must take a math class each year of high school to include at least Algebra 1, Geometry, Algebra 2 and one additional math class. Per district policy, seniors must pass their selected senior math course.

\*\*The Arts/Humanities credit may be fulfilled by one of the following options:

1 credit in arts/humanities (History & Appreciation of Visual & Performing Arts Survey and Fundamentals of Art & Design combined), choral music, band, piano, music theory, media arts, AP art history, (History & Appreciation of Visual & Performing Arts & Floriculture and Landscape Design combined), or BCTC's HUM 120 (dual credit).

\*\*\*World language credits should be 2 credits of the same language as recommended by most colleges/universities (check with college/university to which you are applying). NOT required for high school graduation.

Students are encouraged to go beyond these minimum requirements and should consider taking as many upper level courses as possible.

## **Graduation Honors**

Honor Cords are worn around the collar during baccalaureate and graduation ceremonies. Honor cords are awarded for having a cumulative unweighted high school GPA between 3.5 - 4.0.

Graduates will be recognized in the graduation program as Summa Cum Laude if they have maintained an unweighted GPA of 4.0 during all four years of high school

Graduates will be recognized in the graduation program as Magna Cum Laude if they have maintained an unweighted GPA of 3.8 - 3.9 during all four years of high school.

Graduates will be recognized in the graduation program as Cum Laude if they have maintained an unweighted GPA of 3.5 - 3.7 during all four years of high school.

## **Kentucky Education Excellence Scholarship (KEES)**

### **Purpose**

To enable high school students to earn scholarships for postsecondary study. The program contains incentives designed to award continued achievement as students progress through high school.

### **Eligibility Criteria**

- Be a Kentucky resident.
- Be enrolled in a Kentucky high school after July 1, 1998.
- Meet the curriculum requirements established by the Kentucky Council on Postsecondary Education.
- Meet the minimum required grade point average (GPA) at the end of any academic year beginning after July 1, 1998.
- Not be a convicted felon.

### **Program Description**

Effective July 1, 1998, high school students began to earn scholarship dollars (called the “base amount”) for each year in which they attained at least a 2.5 GPA. In addition, eligible students who achieve at least a composite score of 15 on the ACT by the date of graduation from high school also receive a bonus award. Upon graduation, the base amount that a student has earned in each eligible year of high school is added to the bonus award to determine a total KEES award. Students will generally be eligible to receive their scholarships for a maximum of eight academic terms in an undergraduate program.

The scholarship can be used at any participating accredited public or private institution in Kentucky, including community and technical colleges. For most programs of study, the scholarship must be used within five years of high school graduation. To receive the full amount, students must attend full time. Students attending at least half time, but less than full time receive a proportionate amount; however, each academic term for which a scholarship is received will count as a full academic term, even if the award amount is reduced.

Students enrolled full time will receive the maximum amount for the first two academic terms of postsecondary study. To retain the maximum award for the second year, students must have completed their first two academic terms with a cumulative 2.5 GPA. For subsequent award periods, students must maintain a 3.0 cumulative GPA to retain the maximum award.

Students can check their KEES account balance at any time starting their sophomore year. To see how much you have earned, log in to KHEAA.com and click SIGN IN. If you have not set up an account, use the prompt to do so. If you do not see an amount available and feel you should reach out to your counselor to verify that your social security number is showing in your IC information. KEES money is linked to you by your social security number.

### **Annual KEES Awards**

Listed below are the base scholarship amounts for each GPA. Students earn an award for each year they attain a 2.5 GPA or higher. For instance, a high school student who earns a 2.8 GPA for the freshman year, a 2.4 GPA for the sophomore year, a 3.0 GPA for the junior year, and a 3.20 GPA for the senior year will receive awards of \$200, \$0, \$250, and \$300 for a total base amount of \$750. That \$750 base award will be available for each year of postsecondary study.

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

### **ACT Bonus Awards**

Listed below are the base awards students may earn for an ACT score of 15 or higher. The bonus award is added to the base amount to derive a total award for each year of postsecondary study. Continuing the example from above, if a student who has earned a base award of \$750 scores 23 on the ACT, \$321 will be added to the \$750 for a total annual award of \$1,071 available each year of postsecondary study.

<b>ACT Score</b>	<b>Bonus</b>
15	\$36.00
16	71.00
17	107.00
18	143.00
19	179.00
20	214.00
21	250.00
22	286.00



23	321.00
24	357.00
25	393.00
26	428.00
27	464.00
28 or above	500.00

### **AP Supplement Award Amounts**

If you have been eligible for free or reduced-price lunch during any year of high school and have earned a qualifying score on an Advanced Placement (AP) exam taken during or after the 2008-2009 academic year, you can earn a supplemental award. For example, a KEES eligible student who receives a score of 3 on an AP exam and is eligible for free or reduced-price lunch would earn an additional \$200 for each year of college.

<b>Exam Score</b>	<b>Supplemental Amount</b>
3	\$200
4	\$250
5	\$300

## **NCAA Eligibility**

Students who plan to participate in NCAA Division I or II athletics must be certified by the NCAA Clearinghouse. The certification process should begin early in the senior year. The documents needed to begin this process may be accessed at [www.ncaaclearinghouse.net](http://www.ncaaclearinghouse.net).

## **SCHS Athletic Eligibility Requirements**

**Age-** A student who becomes 19 years old before August 1 shall be ineligible for interscholastic athletic competition. Students enrolled in grade 9 shall have 8 consecutive semesters of eligibility.

### **Minimum Academic Requirements**

- Must maintain a cumulative passing grade in at least four classes. Grades are checked on a weekly basis through a computer program (Infinite Campus).
- Must stay on their correct grade-level from year-to-year. (See Grade Placement information, page 3.)
- Scott County High School requires a grade point average of 1.60 at the end of each school year in order to participate in the next year's athletic programs (this is NOT a cumulative G.P.A.)

### **Attendance Requirements**

Students in violation of the school attendance policy will not be allowed to participate in \*extra-curricular activities.

All students must be in each class on the day of a scheduled game or activity or they will not be allowed to participate that day. Exceptions to this policy include doctor's statements, school sponsored activities, and

activities pre-approved by the principal. Students are to be present at school on the next school day following a game or activity. To maintain eligibility, any absence or tardy must be excused. Students with an unexcused absence on the next school day after an extracurricular activity will not be allowed to participate in the next event of that extra-curricular group.

If a student is withdrawn to homebound instruction, he or she will not be allowed to participate in any practices or activity until re-enrolled in school.

## **Individual Learning Plan (ILP)**

The Individual Learning Plan (ILP) is a student-directed, multi-year, dynamic tool that maps academic plans, personal/social growth and career development activities while considering the student's unique, self-defined interests, needs and goals for the attainment of postsecondary success. The ILP helps high school students better focus their coursework on individual goals as they prepare for postsecondary studies and careers. The ILP is begun in the 6th grade and students are required to review and revise their ILP every year. The Individual Learning Plan helps students by:

- Exploring Careers beginning in the 6th grade.
- Finding careers that match their skills and interests.
- Creating educational plans that are related to their own interests and personal aspirations.
- Establishing personal goals and revisiting these as they progress through school.
- Creating, maintaining and changing resumes.
- Tracking and reflecting on their community service experiences, work experiences, career planning activities, and extra-curricular and organization activities.
- Exploring colleges and postsecondary opportunities that match their career, postsecondary and life goals.
- Connecting to KHEAA.org (Kentucky Higher Education Assistance Authority) website for help with college planning, tuition assistance information and applications.
- Collecting personal information like assessment results, advising activities, demographic information and educational history.

## SCHS Minimum Graduation Requirements

Students must earn a minimum of 22 credits to include the courses/components listed below.

Additionally:

- Each student must complete the ILP every year they are enrolled.
- Each student must successfully pass a Civics exam to graduate from Scott County High School.

Language Arts	Four (4) credits total (English 9 and 10 plus (2) credits aligned to the student ILP.
Mathematics	Four (4) credits total (Algebra 1 and Geometry plus (2) credits aligned to the student ILP.
Science	Three (3) credits total (Two (2) credits incorporating lab-based scientific investigation experiences plus one (1) credit aligned to the student ILP).
Social Studies	Three (3) credits total (Two (2) plus (1) credit aligned to the student ILP).
Health	One-half (½) credit.
Physical Education	One-half (½) credit.
Visual and Performing Arts	One (1) credit or standards-based specialized arts course based on the student's ILP.
Academic and Career Interest Standards-Based Learning Experiences	Six (6) credits total. Of those six (6) a minimum of three (3) should be standards-based credits in one chosen academic or career interest area based upon the student ILP.
Financial Literacy	One (1) or more courses or programs that meet the financial literacy requirements pursuant to <u>KRS 158.1411</u> . (beginning class of 2023)
Technology	Demonstrated performance-based competency. (beginning class of 2024)

## Postsecondary Ready Status

All students graduating from Scott County High School are expected to work toward their own personal goals relating to college and career. This will look different for every student. The state has given a framework for schools to follow to ensure all students are postsecondary ready and it is demonstrated below. Honor cords will be awarded to students who are PR - Academic, PR - Career. A special award for students who achieve both academic and career readiness standards.

Starting in the 2022-23 academic year, **THE ONLY** students eligible to leave school to work under the Work Experience Learning program are those students who have met the requirements as Postsecondary Ready.

<b>Postsecondary Readiness Indicators</b>											
Students will demonstrate Postsecondary Readiness by meeting ONE of the benchmarks below either through Academic Readiness criteria or Career Readiness criteria.											
Academic Ready	Career Ready										
Meet <b>ONE (1)</b> benchmark below to demonstrate either Academic Readiness or Career Readiness											
<div style="margin-bottom: 10px;"> <input type="checkbox"/> <b>Benchmarks, determined by Council on Postsecondary Education on a college admissions exam or college placement examination</b> </div> <div style="margin-bottom: 10px;"> <table border="1" style="margin: auto; border-collapse: collapse; text-align: center;"> <tr style="background-color: #d9e1f2;"> <th colspan="2" style="padding: 2px;">Check 1 from each column below:</th> </tr> <tr> <td style="padding: 2px;">ACT English (18)</td> <td style="padding: 2px;">ACT Math (19)</td> </tr> <tr> <td style="padding: 2px;">ACT Reading (20)</td> <td style="padding: 2px;">KYOTE College Readiness Math (22)</td> </tr> <tr> <td style="padding: 2px;">KYOTE Writing (6)</td> <td style="padding: 2px;">KYOTE College Algebra</td> </tr> <tr> <td style="padding: 2px;">KYOTE Reading (20)</td> <td></td> </tr> </table> </div> <div style="margin-bottom: 10px;"> <input type="checkbox"/> <b>Dual Credit: Grade of C or higher in:</b>  <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> ONE quantitative reasoning (MATH) or natural sciences (SCIENCE) in a 3-hour course  <b>AND</b>  <input type="checkbox"/> ONE written or oral communication; or visual &amp; performing arts; or humanities; or behavior sciences 3-hour course </div> </div> </div> <div style="margin-bottom: 10px;"> <input type="checkbox"/> <b>AP Exams: Score of 3 or higher on:</b>  <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> ONE quantitative reasoning (MATH) or natural sciences (SCIENCE) AP Exam  <b>AND</b>  <input type="checkbox"/> ONE written or oral communication; or visual &amp; performing arts; or humanities; or behavior sciences AP exam </div> </div> </div> <div> <input type="checkbox"/> <b>Combination:</b>  <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> One quantitative (math/science) listed above  <b>AND</b>  <input type="checkbox"/> One qualitative English, Reading, written or oral communication; or visual &amp; performing arts; or humanities; or behavior sciences listed above </div> </div> </div>	Check 1 from each column below:		ACT English (18)	ACT Math (19)	ACT Reading (20)	KYOTE College Readiness Math (22)	KYOTE Writing (6)	KYOTE College Algebra	KYOTE Reading (20)		<div style="margin-bottom: 10px;"> <input type="checkbox"/> <b>Industry Certificate</b>  <input type="checkbox"/> Earn Certificate </div> <div style="margin-bottom: 10px;"> <input type="checkbox"/> <b>CTE End-of-Program (EOP) Assessment</b>  <input type="checkbox"/> Meet benchmark </div> <div style="margin-bottom: 10px;"> <input type="checkbox"/> <b>Dual Credit: Grade of C or higher in 6+ hours in:</b>  <input type="checkbox"/> TWO Career &amp; Technical Education approved 3-hour courses in the same pathway </div> <div> <input type="checkbox"/> <b>Apprenticeship:</b>  <input type="checkbox"/> KDE/Labor Cabinet approved </div>
Check 1 from each column below:											
ACT English (18)	ACT Math (19)										
ACT Reading (20)	KYOTE College Readiness Math (22)										
KYOTE Writing (6)	KYOTE College Algebra										
KYOTE Reading (20)											



# SCHS CAREER AND TECHNICAL EDUCATION PROGRAMS

Career and Technical Education (CTE) at Scott County High School is an essential component of the curriculum. It is a critical component in meeting the needs of students in academic achievement, career exploration, career preparation and leadership development. Successful transition to postsecondary education, work or the military is one of the goals of both Scott County High School and Kentucky's educational system.

## Career Pathways

Choosing a Career Pathway for high school provides a focused set of courses that prepares a student for post-secondary career plans and helps students explore possible career areas. Career Pathways are not meant to limit choices, but to expand possibilities and experiences. Following a Career Pathway provides a focus and a road map for students as they select their courses and explore their chosen career area.

In 2021-22 SCHS offers Career Pathways in **Agriculture**, **Business**, and **Family/Consumer Sciences**. Starting in 2022-23, we will launch two additional pathways - **Law, Public Safety, Corrections & Security** and **Industrial Maintenance Technology**.

## Career Majors

Within each career pathway, there are career majors so that students can narrow their focus and course selection even further in relation to their career goals. Career pathways are NOT necessarily the majors that a student will pursue in their college or careers but are designed to allow exploration of those fields. By combining core content with elective focus, career majors are designed to prepare students to successfully transition toward their college and career goals.

Career Pathway	Career Major
Agriculture	Ag Power, Structural and Technical
Agriculture	Animal Science
Agriculture	Environmental Science and Technology
Agriculture	Horticulture and Plant Science
Business and Marketing	Management and Entrepreneurship
Business and Marketing	E-Commerce

Family and Consumer Sciences	Culinary and Food Services
Family and Consumer Sciences	Fundamentals of Teaching
Family and Consumer Sciences	Hospitality, Travel, Tourism and Recreation
Industrial Maintenance Technology	Maintenance Mechanic (proposed)
Law, Public Safety, Corrections & Security	Law Enforcement Services (proposed)

## Industry Certifications and Skill Standards (EOP) Assessments

Students should design their course of study so that they can take a MINIMUM of three courses within their chosen career major. Upon completion of the prescribed courses in the career major, students are eligible to test for industry recognized credentials and certifications. Passing an industry certification and/or skill standards (EOP) assessment provides tangible evidence of proficiency in a particular skill and can be a way of demonstrating skills and experiences to potential employers. Earning an industry certification or passing the skill standards (EOP) assessment is also one way to meet the Postsecondary Ready requirement to be eligible to co-op or internship during the senior year!

## Workforce Development Dual Credit College Scholarships

In addition to earning an industry recognized certification, students are also eligible to take two (2) college courses as in their career pathway FREE each year they are in high school. These courses will earn students both high school and college credit. Most are available as online college courses; however, if demand and staffing permit courses may be offered as in-person courses. Speak to your counselor or CTE teacher for more information and eligibility requirements. In addition to saving money on future college enrollment, passing at least two workforce college courses with a “C” or higher qualifies the student as Postsecondary Ready/ Career Ready and allows the student to participate in co-op the senior year.

Earning a “C” or higher in 2 Workforce Development Dual Credit college courses is one way to meet the Postsecondary Ready requirement to be eligible to co-op or internship during the senior year!

# SCHS CTE PATHWAYS



## FAMILY & CONSUMER SCIENCES

HOSPITALITY, TRAVEL, TOURISM, & RECREATION	FUNDAMENTALS OF TEACHING	CULINARY & FOOD SERVICES
<b>Course 1:</b> FCS Essentials	<b>Course 1:</b> FCS Essentials	<b>Course 1:</b> FCS Essentials
<b>Course 2:</b> Principles of Marketing or Principles of Hospitality	<b>Course 2:</b> Early Development of Children	<b>Course 2:</b> Foods & Nutrition
<b>Course 3:</b> Principles of Marketing or Principles of Hospitality	<b>Course 3:</b> Mid to Late Lifespan Development	<b>Course 3:</b> Culinary Arts I
<b>Course 4:</b> Specialized Services in Hospitality	<b>Course 4:</b> Principles of Teaching	<b>Course 4:</b> Culinary Arts II
<b>Course 5:</b> Hospitality, Travel, Tourism, & Recreation CO-OP  To be eligible to CO-OP, you must either be enrolled or have completed 3 Ag classes above and be Postsecondary Ready	<b>Course 5:</b> Principle of Teaching CO-OP  To be eligible to CO-OP, you must either be enrolled or have completed 3 Ag classes above and be Postsecondary Ready	<b>Course 5:</b> Culinary CO-OP  To be eligible to CO-OP, you must either be enrolled or have completed 3 Ag classes above and be Postsecondary Ready

<b>Industry Certifications:</b>  •Certified Hospitality & Tourism •Management Professional	<b>Industry Certifications:</b>  •Educational Fundamentals •AAFCS Pre-PAC	<b>Industry Certifications:</b>  •ServSafe Food Manager Certifications
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## **Introductory Class to all FCS Majors:**

### **FCS Essentials**

**1 credit**

**Open to 9, 10**

This comprehensive course provides an opportunity for acquiring basic life skills and guides students to explore and select specific areas for concentrated study. Emphasis is on family, employability skills, adolescent development, financial management, parenting, establishing healthy relationships, creating a foundation for healthy lifestyles, nutrition, food preparation and hospitality. The course is designed to expose students to the different areas of Family and Consumer Sciences. Leadership development will be provided through the student organization, FCCLA. **Lab Fee: \$15**

## **HOSPITALITY, TRAVEL, TOURISM & RECREATION MAJOR**

### **Introduction to Marketing-Business course**

**1 credit**

**Open to 10, 11**

This business course will meet the sequence for the Hospitality Pathway.

Principles of Marketing introduces students to the dynamic processes and activities in marketing. Students study economic functions at work in the marketing functions including purchasing, pricing, and distribution functions. The instruction includes career awareness in the areas of recreation, travel/tourism, hotel/motel, and restaurant. Current technology will be used to acquire, organize and present information. Activities will include online simulations. Students will understand marketing concepts through examples provided by the SCHS school-based store, "Cardinal Connections." Both marketing and employment skills learned will improve and increase the chance of successful transition into the world of work. The student organization, DECA, will be utilized for leadership development. **Lab Fee:\$15**

### **Principles of Hospitality**

**1 credit**

**Open to 11, 12**

This course is designed for students interested in careers in the hospitality industry. The instruction includes career awareness in the areas of recreation, travel and tourism, hotel and motel, and the restaurant industries. This course is based on the family and consumer sciences core that includes communication skills, economics, food and beverage operations, promotion, selling, and product and service management. This course meets the prerequisite for students enrolling in the: Specialized Services in Hospitality. **PREREQUISITE: FCS Essentials or Principles of Marketing**

### **Specialized Services in Hospitality**

**1 credit**

**Open to 12**

This course is designed to provide training in specialized services within the hospitality field. Job and career opportunities will be explored. Instruction will include skill development and practice. Shadowing and work experiences will be included in a variety of commercial establishments such as hotels, motels, restaurants, local convention bureaus, and tourism centers. **PREREQUISITE: Principles of Hospitality**

## **FUNDAMENTALS OF TEACHING MAJOR**

### **Early Development of Children**

**1 credit**

**Open to 10, 11, 12**

This course addresses the topics of early lifespan development including conception and pregnancy, labor and delivery, infants, toddlers, preschoolers, health and safety, and exceptional children. Students will explore career opportunities within the early childhood education industry. This course meets the prerequisite for students enrolling in the Fundamentals of Teaching Program. The Fundamentals of Teaching Program is suggested for students interested in a career in education. **PREREQUISITE 10th Graders: FCS Essentials**  
**RECOMMENDED 11th & 12th Graders: FCS Essentials**



**Mid to Late Lifespan Development****1 credit****Open to 11, 12**

This course studies the stages of growth and development of humans from elementary ages, middle childhood, adolescent, and early / middle / late adulthood stages. The course reviews effects of heredity and environment on the life stages, meeting the needs of exceptional individuals, and promoting optimum growth and development. Careers in education, human development, and adult care services are explored. This course meets the prerequisite for students enrolling in the Fundamentals of Teaching Program. The Fundamentals of Teaching Program is suggested for students interested in a career in education. **PREREQUISITE: FCS Essentials RECOMMENDED: Early Lifespan Development of Children.**

**Principles of Teaching****1 credit****Open to 12**

This is the last course of the Fundamentals of Teaching Program. The course allows students to develop skills, strategies, and techniques used for instruction at various grade levels for a diverse population of student learners. Instruction addresses the principles and procedures for promoting the physical, emotional, social, and intellectual development of children, adolescents and developmentally appropriate practices in educational settings. **PREREQUISITE: Early Lifespan and Mid to Late Lifespan Development of Children**

**Principles of Teaching Co-op****1 - 3 credits****Open to 12**

Co-op students, graduating class of 2021 and beyond, will be required to have completed **TWO** credits in the Principles of Teaching career pathway prior to enrolling in co-op. Cooperative Education for CTE courses provide supervised work site experience related to the student's identified career pathway. A student must be enrolled in an approved capstone course during the same school year that the co-op experience is completed. Transportation must be provided by the student/student's family. Actual employment must be arranged by the student before school begins and maintained to stay in co-op. **The co-op contract must be signed by the student, parent, and employer. The contract is available from the Family Consumer Sciences Department of SCHS. Students are required to be employed by the beginning of the school year.**

**CULINARY AND FOOD SERVICES CAREER MAJOR****Foods & Nutrition****1 credit****Open to 10, 11, 12**

This introductory course is designed to expose students to nutrition and food related information that will contribute to good health and well-being. Students will learn and practice introductory food prep skills in the lab setting. Students resume progress in pursuing competencies in food production and services. Students will be provided further training in the field of culinary arts. Students will continue to explore food trends, careers in culinary arts, and specialized areas of foreign cuisine. **PREREQUISITE 10th Graders: FCS Essentials RECOMMENDED: 11th & 12th Graders: FCS Essentials Lab fee: \$25.**

**Culinary Arts 1 - blocked, 1<sup>st</sup> semester****1 credit****Open to 11, 12**

This advanced course allows students to increase competencies in a variety of food preparation techniques including presentation, garnishing, menu planning, and the skills necessary to prepare for a career in culinary arts. Students will operate the teacher restaurant *Cardinal Cafe* as a part of the course. Management and food preparation in the restaurant will allow students to put into practice hospitality and culinary related skills learned in this course and previous ones. **Lab fee: \$30. PREREQUISITE: Foods & Nutrition.**

**Culinary Arts 2 – blocked, 2<sup>nd</sup> semester****1 credit****Open to 11, 12**

In this course, students resume progress in pursuing competencies in hospitality, food preparation and service, and general skills necessary for a career in the culinary field. Work will continue with the student operated restaurant, *Cardinal Cafe*. **Lab fee: \$30. PREREQUISITE: Foods & Nutrition.**

**Culinary Co-op****1-3 credits****Open to 12**

Co-op students, graduating class of 2021 and beyond, will be required to have completed TWO credits in the Culinary Career Pathway prior to enrolling in co-op. Additionally, students must be considered Postsecondary Ready before they will be allowed to participate in any off campus Co-op or Internship experience. Cooperative Education for CTE courses provide supervised work site experience related to the student's identified career pathway. A student must be enrolled in an approved capstone course during the same school year that the co-op experience is completed. Students who participate receive a salary for these experiences, in accordance with local, state and federal minimum wage requirements according to the [Work-Based Learning Guide](#). Transportation must be provided by the student/student's family. Actual employment must be arranged by the student before school begins and maintained to stay in co-op. **The co-op contract must be signed by the student, parent, and employer. The contract is available in the Family and Consumer Science Department of SCHS. Students are required to be employed by the beginning of the school year.**

# SCHS CTE PATHWAYS



## BUSINESS & MARKETING

### E-COMMERCE

#### Suggested first course:

- Computers & Applications

#### Choose 2 courses below:

- Web Design
- Social Media Marketing
- Multimedia Publishing
- Intro to Marketing

#### Choose 1 course below:

- Multimedia Publishing/CO-OP
- Advertising & Promotion/CO-OP

To be eligible to CO-OP, you must either be enrolled or have completed 3 Ag classes above and be Postsecondary Ready

### MANAGEMENT & ENTREPRENEURSHIP

#### Suggested first course:

- Computers & Applications

#### Choose 2 courses below:

- Microsoft Office Specialist
- Business & Marketing Essentials
- Intro to Marketing

#### Choose 1 course below:

- Business Math
- Management/CO-OP
- Entrepreneurship/CO-OP

To be eligible to CO-OP, you must either be enrolled or have completed 3 Ag classes above and be Postsecondary Ready

#### Industry Certifications:

- Assessment of Skills & Knowledge for Business (ASK Exam)
- Google Analytics Certification
- Adobe Certified Professional (Photoshop)
- Adobe Certified Professional (Premiere)

#### Industry Certifications:

- Assessment of Skills & Knowledge for Business (ASK Exam)
- Google Analytics Certification
- Adobe Certified Professional (Photoshop)
- Adobe Certified Professional (Premiere)

## **Introductory Course to All Business Majors:**

### **Computers and Applications**

**1 credit**

**Open to 9, 10, 11, 12**

Students will use a computer and application software including word processing, presentation, database, spreadsheet, internet, and email to prepare elementary documents and reports. The impact of computers on society and ethical issues are presented. Leadership development will be provided through DECA. **Lab fee \$15**

## **E-COMMERCE MAJOR**

### **Introduction to Marketing**

**1 credit**

**Open to 10, 11**

This class introduces students to the dynamic processes and activities in marketing. Students study economic functions at work in the marketplace and marketing functions including purchasing, pricing, and distribution functions. The instruction includes career awareness in the areas of recreation, travel/tourism, hotel/motel, and restaurant. Current technology will be used to acquire, organize and present information. Activities will include online simulations. Students will understand marketing concepts through examples provided by the SCHS school-based store, "Cardinal Connections." Both marketing and employment skills learned will improve and increase the chance of successful transition into the world of work. Technical skills training will be provided which can result in student Microsoft Office Specialist (MOS) certification in Word, PowerPoint and/or Outlook. The student organization, DECA, will be utilized for leadership development. **Lab Fee: \$15**

### **Advertising & Promotion**

**1 credit**

**Open to 11, 12**

This course is designed to provide students with a realistic "hands-on" application of techniques used in the advertising and promotion of goods and services. Students use digital media (computer-generated text, graphics, photographs, sound and video) equipment, while being exposed to all forms of media (print, web page, etc.) used by industry. This course will include the use of industry standard applications software. This course is based on the business and marketing core that includes communication skills, distribution, marketing-information management, pricing, product/service management, promotion, selling, and the economic impact of promotional considerations involved in the sports and event marketing industries. The student organization, DECA, will be utilized for leadership development. **Lab Fee: \$15. PREREQUISITE: Introduction to Marketing**

### **Multimedia Publishing**

**1 credit**

**Open to 10, 11, 12**

This hands-on course applies publishing and presentation concepts through the development of sophisticated business documents and projects. These documents include, but are not limited to, tri-fold brochures, manuscripts, reports, bi-fold programs, catalogs, newsletters, flyers, business forms, graphs, web pages, on-screen presentations, and video productions. Equipment such as scanners, digital cameras, video cameras, and color laser printers may be utilized in creating the documents. Formatting, editing, page layout, and design concepts are taught. Distribution ready publication standards are applied to all projects. Students will develop communication skills, problem-solving techniques, cooperative learning, and interpersonal skills. Leadership development will be provided through DECA. **Lab fee \$15 Prerequisite: Computers and Applications**

### **Principles of Entrepreneurship**

**1 credit**

**Open to 10, 11, 12**

This course is designed to provide students the skills needed to effectively organize, develop, create and manage their own business. Students also develop an appreciation for marketing's pivotal role in the development and success of a new business. This course is based on the business and marketing core that includes communication skills, economics, financial analysis, operations, promotion and selling. The real-world project for this course will be to run and continuously improve the operations of the SCHS school store, "Cardinal Connections." Activities will include online simulations as well as the opportunity to design and manufacture products in the school-based enterprise. Job shadowing experiences may also be used to enhance course

instruction. Technical skills training will be provided which can result in student Microsoft Office Specialist (MOS) certification in Word, Excel, PowerPoint and/or Outlook. The student organization, DECA, will be utilized for leadership development. **Lab Fee: \$15. PREREQUISITE: Introduction to Marketing, Advertising & Promotions, and/or approval from a Business/Marketing instructor.**

### **Microsoft Office Specialist**

**1 credit**

**Open to 10, 11, 12**

Students will have the opportunity to increase their computer skills. Advanced functions and integration of Microsoft Word, Excel, Access, Outlook, and PowerPoint will be taught. Students will work toward MOS/MCAS Certification in one or more of the Microsoft areas. In addition, students will utilize Internet access to complete various projects. Leadership development will be provided through DECA. **Lab fee \$15**  
**Prerequisite: Computers and Applications**

### **Marketing Education Co-op**

**1 – 3 credits**

**Open to 12**

Co-op students, graduating class of 2021 and beyond, will be required to have completed TWO credits in the Business, Marketing & Entrepreneurship Pathway prior to enrolling in co-op. Cooperative Education for CTE courses provide supervised work site experience related to the student's identified career pathway. A student must be enrolled in an approved capstone course during the same school year that the co-op experience is completed. Students who participate receive a salary for these experiences, in accordance with local, state and federal minimum wage requirements according to the [Work-Based Learning Guide](#). Transportation must be provided by the student/student's family. Actual employment must be arranged by the student before school begins and maintained to stay in co-op. **The co-op contract must be signed by the student, parent and employer. The contract is available in the Business and Marketing Department of SCHS. Students are required to be employed by the beginning of the school year.**

## **MANAGEMENT AND ENTREPRENEURSHIP MAJOR**

### **Business & Marketing Essentials**

**1 credit**

**Open to 10, 11, 12**

This course 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 by DECA. **Lab fee \$15 PREREQUISITE: INTRO TO MARKETING**

### **Principles of Entrepreneurship**

**1 credit**

**Open to 10, 11, 12**

This course is designed to provide students the skills needed to effectively organize, develop, create and manage their own business. Students also develop an appreciation for marketing's pivotal role in the development and success of a new business. This course is based on the business and marketing core that includes communication skills, economics, financial analysis, operations, promotion and selling. The real-world project for this course will be to run and continuously improve the operations of the SCHS school store, "Cardinal Connections." Activities will include online simulations as well as the opportunity to design and manufacture products in the school-based enterprise. Job shadowing experiences may also be used to enhance course instruction. Technical skills training will be provided which can result in student Microsoft Office Specialist (MOS) certification in Word, Excel, PowerPoint and/or Outlook. The student organization, DECA, will be utilized for leadership development. **Lab Fee: \$15. PREREQUISITE: Introduction to Marketing, and/or approval from a Business/Marketing instructor.**

**Math for Business and Industry****1 credit****Open to 12**

This course enables students to explore mathematical content for personal, business, and industrial use. Math concepts and skills are applied through study and problem-solving activities in real-world situations in the following areas: banking, measurement, borrowing and investing, consumer purchases, and financial management. Training will be provided in this course that can result in Microsoft Office Specialist (MOS) in Excel. The student organization, DECA, will be utilized for leadership development. To count as a senior math credit, students must have completed TWO BUSINESS PATHWAY COURSES AND BE ENROLLED IN A THIRD COURSE. **\$15 Lab Fee. Successful completion of this course will also satisfy the senior math credit required for graduation.**

**SUGGESTED CO-REQUISITE: Introduction to Management.**

**Microsoft Office Specialist****1 credit****Open to 10, 11, 12**

Students will have the opportunity to increase their computer skills. Advanced functions and integration of Microsoft Word, Excel, Access, Outlook, and PowerPoint will be taught. Students will work toward MOS/MCAS Certification in one or more of the Microsoft areas. In addition, students will utilize Internet access to complete various projects. Leadership development will be provided through DECA. **Lab fee \$15**

**Prerequisite: Computers and Applications**

**Introduction to Management****1 credit****Open to 11, 12**

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. Technical skills training will be provided to attain Microsoft Office Specialist (MOS) certification in Word, Excel, PowerPoint &/or Outlook. Leadership development will be provided through DECA.

**SUGGESTED CO-REQUISITE: Business Education Co-op.**

**Business Education Co-op**

Co-op students, graduating class of 2021 and beyond, will be required to have completed TWO credits in the Business, Marketing & Entrepreneurship Pathway prior to enrolling in co-op. Additionally, students must be considered Postsecondary Ready before they will be allowed to participate in any off campus Co-op or Internship experience. Cooperative Education for CTE courses provide supervised work site experience related to the student's identified career pathway. A student must be enrolled in an approved capstone course during the same school year that the co-op experience is completed. Students who participate receive a salary for these experiences, in accordance with local, state and federal minimum wage requirements according to the [Work-Based Learning Guide](#). Transportation must be provided by the student/student's family. Actual employment must be arranged by the student before school begins and maintained to stay in co-op.

**The co-op contract must be signed by the student, parent and employer. The contract is available in the Business and Marketing Department of SCHS. Students are required to be employed by the beginning of the school year.**



# SCHS CTE PATHWAY



## AGRICULTURE

ANIMAL SCIENCE	AG POWER
<b>Suggested first course:</b> Agriscience	<b>Suggested first course:</b> Agriscience
<b>Choose 2 from below:</b> Animal Science Small Animal/Equine Science Vet Science Animal Technology	<b>Take the 2 courses below:</b> Ag Construction Ag Mechanics
<b>AG CO-OP:</b>  To be eligible to CO-OP, you must either be enrolled or have completed 3 Ag classes above and be Postsecondary Ready	<b>AG CO-OP:</b>  To be eligible to CO-OP, you must either be enrolled or have completed 3 Ag classes above and be Postsecondary Ready

### Industry Certifications:

ICEV Elanco Fundamentals of Animal Science, NAVTA Veterinary Assisting Certification, ICEV Elanco Veterinary Medical Applications

### Industry Certifications:

AWS Sense Certification (Level 1), Equipment and Engine Training Council Four Stroke, Equipment and Engine Training Council Two Stroke, ICEV Equipment & Engine Training Council Principle of Small Engine Tech.

# SCHS CTE PATHWAY



## AGRICULTURE

### ENVIROMENTAL & NATURAL RECOURCES

#### Suggested first course:

Agriscience

#### Take the 2 courses below:

Forestry/Wildlife

Greenhouse

\*Greenhouse & Wildlife may be taken to fulfill  
SCHS life science requirement

#### Murray State Racer Academy Dual Credit Courses:

AGR 182 (Introduction to Pre-Vet)

AGR 100 (Animal Science)

AGR 140 (Plant Science)

AGR 160 (Horticulture Science)

#### AG CO-OP:

To be eligible to CO-OP, you must  
either be enrolled or have  
completed 3 Ag classes above and  
be Postsecondary Ready

### HORTICULTURE

#### Suggested first course:

Agriscience

#### Take the 2 courses below:

Greenhouse

\*Greenhouse may be taken to fulfill SCHS life  
science requirement

Floral Design

\*This course fulfills the requirement for  
Fundamentals of Art

#### Murray State Racer Academy Dual Credit Courses:

AGR 182 (Introduction to Pre-Vet)

AGR 100 (Animal Science)

AGR 140 (Plant Science)

AGR 160 (Horticulture Science)

#### AG CO-OP:

To be eligible to CO-OP, you must  
either be enrolled or have  
completed 3 Ag classes above and  
be Postsecondary Ready

#### Industry Certifications:

#### Industry Certifications:

ICEV Bayer Crop and Plant Science, KY Dept. of  
Ag Pesticide Operator, Certification: Category 1A -  
Agricultural Pests, Cat. 2 - Forest, Cat. 3 - Turf and  
Ornamental Plants, Cat 18. - Golf Course, Cat 19 -  
Interior Platescape, Cat. 20 - Athletic Turf



## **Introductory Course to all Agriculture Majors:**

### **Agriscience**

**1 credit**

**Open to 9, 10**

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 mechanics skills will be the focus of the curriculum. The selection and planning of a supervised agricultural experience program and related record keeping will be presented. Additionally, FFA curriculum and instruction is a major part of this course.

## **AG POWER, STRUCTURES, TECHNICAL SYSTEMS MAJOR**

### **Agriculture Construction**

**1 credit**

**Open to 10, 11, 12**

This course prepares students to construct and maintain agricultural structures and equipment. Develops basic skills such as: tool identification, interpreting plans, calculating a bill of materials, electrification, carpentry, welding, metal fabrication, plumbing and masonry. **PREREQUISITE 10th Graders: Agriscience** **RECOMMENDED Co-Requisite 11th & 12th Graders: Agriscience**

### **Agriculture Power & Machinery Operation**

**1 credit**

**Open to 10, 11, 12**

This course provides instruction and hands-on experience in basic principles of agricultural machinery assembly, operation, maintenance, service repair and safety. Leadership development will be provided through FFA (Future Farmers of America). **PREREQUISITE: 10th Graders: Agriscience** **RECOMMENDED Co-Requisite 11th & 12th Graders: Agriscience**

## **ANIMAL SCIENCE SYSTEMS MAJOR**

### **Animal Science**

**1 credit**

**Open to 10, 11, 12**

Animal Science develops basic knowledge and skills pertaining to livestock identification, selection, nutrition, reproduction and genetics, health management, and marketing of one or more species of farm animals. The latest biotechnological applications will be included. This course is also available as a dual credit college course. See description in this section. **PREREQUISITE: Agriscience**

### **Animal Technology**

**1 credit**

**Open to 9, 10, 11, 12**

Animal Technology instruction concentrates on the advanced production practices and current biotechnological applications of one or more species of farm animals, based on the local community needs. Laboratory experience will be used to emphasize concepts. Content may be enhanced by utilizing current industry accepted technology. **PREREQUISITE 10th Graders: Agriscience** **RECOMMENDED Co-Requisite 11th & 12th Graders: Agriscience**

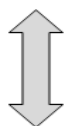
### **Equine Science**

**.5 credit**

**Open to 9, 10, 11, 12**

Equine Science develops knowledge and skill pertaining to breed identification and selection, anatomy, physiology, nutrition, genetics and reproductive management, training principles, grooming, health disease, parasite control, and sanitation practices. **PREREQUISITE 10th Graders: Agriscience** **RECOMMENDED Co-Requisite 11th & 12th Graders: Agriscience**

*To be paired with*



*Small Animal Technology*

**Small Animal Technology****.5 credit****Open to 9, 10, 11, 12**

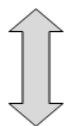
This course develops scientific knowledge, management practices, and marketing strategies in small and specialty animal technology. The curriculum includes identification, anatomy, physiology, nutrition, health, selection, and care of small animals. Species addressed typically include dogs, cats, rabbits, companion birds, ostriches, emus, tropical fish, and furbearers. Content will be enhanced with appropriate applied scientific laboratory activities. **PREREQUISITE 10th Graders: Agriscience RECOMMENDED Co-Requisite 11th & 12th Graders: Agriscience**

**Veterinary Science****1 credit****Open to 11, 12**

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. This course is also available as a dual credit college course. See description in this section **Class Fee: \$20 PREREQUISITE 10th Graders: Agriscience RECOMMENDED Co-Requisite 11th & 12th Graders: Agriscience**

**AGR 100 (Animal Science) Fall Semester****1 credit****Open to 10, 11, 12**

This is a basic course in animal science including the importance and place of livestock in agriculture; types of market classes and grades of beef, sheep, poultry and swine; origin and characteristics of breeds; and the judging of beef, sheep and swine. This is a dual credit, online course offered through Murray State University and is eligible for a Work Ready Dual Credit Scholarship to cover all tuition costs. Upon successful completion of this course, students will have 3 college credit hours in agriculture. To be eligible to take this course, students must apply and be admitted to the Murray State Racer Academy. Minimum GPA for admission is a 3.0 cumulative. **PREREQUISITE 10th grade: Agriscience Co-Requisite 11th & 12th Graders: Agriscience**

*To be paired with**AGR 182 Introduction to Veterinary Science***AGR 182 (Introduction to Veterinary Science) Spring Semester****1 credit****Open to 10, 11, 12**

Course examines basic principles of veterinary science, including breeds, biology, veterinary tools, parasitology, office management, animal control, and basic clinical exam techniques for large and small animals. The purpose of this course is to provide upperclassmen agricultural education students, at the high school level, with an introduction to the basic principles of veterinary science. This requires students to understand the biology of both large and small breeds of animals, as well as specifics related to the area of veterinary medicine. This class will build a foundation for those high school students interested in the area of veterinary science. This is a dual credit, online course offered through Murray State University and is eligible for a Work Ready Dual Credit Scholarship to cover all tuition costs. Upon successful completion of this course, students will have 3 college credit hours in agriculture. To be eligible to take this course, students must apply and be admitted to the Murray State Racer Academy. Minimum GPA for admission is a 3.0 cumulative. **PREREQUISITE: AGR 100 Animal Science**

## **HORTICULTURE & PLANT SCIENCES SYSTEMS MAJOR**

### **Greenhouse Technology**

**1 credit**

**Open to 10, 11, 12**

*This course fulfills the Life science requirement.*

Greenhouse Technology provides instruction in greenhouse structures and greenhouse environment regulations. Plant growth and development and propagation are included as well as production and maintenance of bedding and container produced plants. Fundamental principles of vegetable production and commercial production of vegetable crops as well as marketing of horticulture products may be included. **PREREQUISITE 10th Graders: Agriscience RECOMMENDED Co-Requisite 11th & 12th Graders: Agriscience**

### **Floriculture & Floral Design**

**1 credit**

**Open to 11, 12**

*This course fulfills the requirement for Fundamentals of Art*

Floriculture and Floral Design provides instruction to develop floral design techniques using silk, dried, and fresh flowers. Students will learn operation and management techniques of a floral business as well as identification, production, and cultural maintenance practices of plants used in floral design and interior landscaping. This course includes identification of landscape plants and their characteristics, site evaluation, site design, calculation of materials needed, costs for bidding, and installing landscape plans. Landscape plant maintenance will also be presented. **PREREQUISITE 10th Graders: Agriscience RECOMMENDED Co-Requisite 11th & 12th Graders: Agriscience**

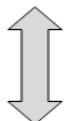
### **AGR 140 (Plant Science) Fall Semester**

**1 credit**

**Open to 10, 11, 12**

A study of general plant science principles including basic plant anatomy, physiology and interactions with the surrounding environment. This is a dual credit, online course offered through Murray State University and is eligible for the Work Ready Dual Credit Scholarship to cover all tuition costs. Upon successful completion of this course, students will have 3 college credit hours in agriculture. To be eligible to take this course, students must apply and be admitted to the Murray State Racer Academy. Minimum GPA for admission is a 3.0 cumulative. **PREREQUISITE: Agriscience RECOMMENDED: Greenhouse Technology**

*To be paired with*



*AGR 160 Horticultural Science*

### **AGR 160 (Horticultural Science) Spring Semester**

**1 credit**

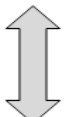
**Open to 10, 11, 12**

A study of the practical principles and practices used in horticulture. This is a dual credit, online course offered through Murray State University and is eligible for the Work ready Dual Credit Scholarship to cover all tuition costs. Upon successful completion of this course, students will have 3 college credit hours in agriculture. To be eligible to take this course, students must apply and be admitted to the Murray State Racer Academy. Minimum GPA for admission is a 3.0 cumulative. **PREREQUISITE: AGR 140 Plant Science**

## ENVIRONMENTAL SCIENCE AND TECHNOLOGY MAJOR

**Greenhouse Technology** 1 credit Open to 10, 11, 12  
(See course description above)

**Wildlife Resources** .5 credit Open to 10, 11, 12  
This course includes: a study of ecology and ecosystems, wildlife habitat, population dynamics, management techniques that deal with wildlife in all areas, and the regulations that affect the wildlife industry. Content may be enhanced with appropriate applied scientific laboratory activities. **PREREQUISITE 10th Graders: Agriscience RECOMMENDED Co-Requisite 11th & 12th Graders: Agriscience**

to be paired with  **Forestry**

**Forestry** .5 credit Open to 10, 11, 12  
This course also introduces the science of silviculture (forestry), including career opportunities, tree identification, tree production, forestry management, timber harvesting, wood utilization, and the environmental and ecological aspects of forestry. **PREREQUISITE 10th Graders: Agriscience RECOMMENDED Co-Requisite 11th & 12th Graders: Agriscience**

**Agricultural Employability** 1 credit Open to 12  
Agriculture Employability provides opportunities to develop skills in: job searching, preparing resumes, writing letters of application, job interview, attitude, communicating effectively, human relations and accepting responsibilities. Leadership development will be provided through FFA. **SUGGESTED CO-REQUISITE: AG Education Co-op.**

**AG Education Co-op** 1 - 3 credits Open to 12  
Co-op students, graduating class of 2021 and beyond, will be required to have completed TWO credits in the Agriculture Career Pathway prior to enrolling in co-op. Additionally, students must be considered Postsecondary Ready before they will be allowed to participate in any off campus Co-op or Internship experience. Cooperative Education for CTE courses provide supervised work site experience related to the student's identified career pathway. Most students must be enrolled in an approved capstone course during the same school year that the co-op experience is completed. Students who participate receive a salary for these experiences, in accordance with local, state and federal minimum wage requirements according to the [Work-Based Learning Guide](#). Transportation must be provided by the student/student's family. Actual employment must be arranged by the student before school begins and maintained to stay in co-op. **The co-op contract must be signed by the student, parent, and employer. The contract is available in the Agriculture Science Department of SCHS. Students are required to be employed by the beginning of the school year.**

**Agricultural Math for Math Credit** 1 credit Open to 12  
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. An Agricultural Math course may include, but is not limited to, topics found in the (+) standards of the KAS for Mathematics. Leadership development will be provided through the FFA student organization. To count as a senior math credit, students must have completed THREE AGRICULTURE PATHWAY COURSES. **PREREQUISITE: Algebra 1, Algebra 2, Geometry**

# ADDITIONAL CAREER AND TECHNICAL OPTIONS

## **Industrial Safety**

**.5 credit**

**Open to 9, 10**

This first offering is to gauge interest in the development **Industrial Maintenance Technology - Maintenance Mechanic**. In this course, students are taught to observe general safety rules and regulations, to apply worksite and shop safety rules, and to apply OSHA (Occupational Safety and Health Administration) regulations. Students are expected to obtain certification in first aid and cardiopulmonary resuscitation. Students will also test for the OSHA 10 Industry Certification at the conclusion of the course.

*to be paired with*  *Basic Blueprint Reading*

## **Basic Blueprint Reading**

**.5 credit**

**Open to 9, 10**

This course presents basic applied math, lines, multi-view drawings, symbols, various schematics and diagrams, dimensioning techniques, sectional views, auxiliary views, threads and fasteners, and sketching typical to all shop drawings. Safety will be emphasized as an integral part of the course.

**If there is adequate student interest and staffing support, additional courses will be added incrementally over the next three years such as:**

- **Fundamentals of Machine Tools**
- **Maintaining Industrial Equipment**
- **Basic Troubleshooting**
- **Industrial Maintenance Electrical Equipment**
- **Enrollment in BCTC/Georgetown's IMT Program.**

## **Introduction to Criminal Justice**

**1 credit**

**Open to 9, 10**

The first offering to gauge interest in a **Law, Public Safety, Corrections & Security pathway** leading to National Certification and college credit. This pathway IS NOT the same as Law and Justice offered through ECS! This course studies the history and philosophy of criminal justice; ethical considerations; definition of crime; the nature and impact of crime; an overview of the criminal justice system including law enforcement, corrections, and the court system; basic police operations such as search/frisk, traffic, radio procedures, report writing, evidence collection; and more. Course will include academic and hands-on lab work.

**If there is adequate student interest and staffing support, the additional courses will be added incrementally over the next three years:**

- **Law Enforcement**
- **Basic Telecommunications**
- **Basic Security Services**
- **Health and Well-Being for Law Enforcement**

## **JAG -Jobs for America's Graduates (JAG)**

**1 credit**

**Open to 10, 11, 12**

JAG is a state-based national non-profit organization. This course offers students informal guidance on career and life decisions. Students will develop employability skills and connect with community members in a variety of fields in an effort to pursue postsecondary education and secure quality entry-level jobs leading to career advancement opportunities. JAG students will be encouraged to pursue a SCHS/ECS career pathway through their career exploration activities.

# ENGLISH

## General /Minimum State Graduation Requirements

Total Credits Required	9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>
4 English courses	English 1	English 2	English 3	English 4

\*Additional elective English courses are available in the course guide that students can take concurrently with required core curricular classes listed above or during 12th grade.

## Pre-College Curriculum

Total Credits Required	9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>
4 English courses	Honors English 1	Honors English 2	AP English Lang & Comp	AP English Lit <i>or</i> Dual Credit English

\*Additional electives, College Board Advanced Placement, and Dual Credit English courses are available in the course guide that can be taken concurrently with another core curriculum honors English class or during 12th grade.

### English 1

1 credit

Open to 9

English I is a course designed to strengthen students' observing, listening, speaking, writing, and reading skills. While specific works of literature are not the focus of the course, students will read a variety of authors and genres as a foundation for other activities that are designed to promote growth in the aforementioned areas. Students will be required to write literary, argumentative, and personal expressive pieces. All of these pieces will be placed in the student's formative portfolio. Students will also be challenged to develop inquiry/researching skills that include using technology for communication. ***This course includes summer reading.***

### Honors English 1

1 credit

Open to 9

The basic difference between Honors English and "regular" English is the linking of form to meaning. In the past, students were taught the form-historical background of literature, themes, tone, character development, conflict, and other elements of literature- but often did not learn to connect the language-the way the words work together on the page-with meaning. This connection-this linking-must be clear to students in the next two years if they are to excel not only on AP Exams but in college classes. English I students should also develop fluency, creativity, and a sense of risk-taking in writing- fully developed essays, short paragraph answers, highly structured responses to specific questions, and original poetry. The objective is to make readers, writers, and learners out of new high school students. During the summer, students will have a reading assignment. ***This course includes summer reading.***

### English 2

1 credit

Open to 10

English 2 focuses on grammar, developmental composition skills, and in-depth reading skills. Students will refine literary, argumentative, and analytical writing skills. Students will also learn to write in various forms and develop "on demand" writing skills, without extended time or revisions. They will read short stories, poems, drama, novels, and non-fiction from selected world literature. At the end of this course, all students may be required to take a state mandated End-of-Course exam which could count for up to 20% of each student's grade. ***This course includes summer reading. PREREQUISITE: English 1.***

**Honors English 2****1 credit****Open to 10 Pre-AP**

English 2 is a course emphasizing close reading/literary analysis and developmental composition skills that will support student growth as thinkers and clear effective writers. Students will learn to write in various forms and develop “on demand” writing skills, without extended time or revisions. They will also study all genres including drama, poetry, non-fiction, short stories and novels. During the course of the year, they must read a combination of 6 independent texts, including novels and plays, from the suggested AP Board recommended list. Completion of summer reading is recommended. At the end of this course, all students may be required to take a state mandated End-of-Course exam which could count for up to 20% of each student’s grade.

**PREREQUISITE: Honors English 1 or consent of current English teacher. *This course includes summer reading.***

**English 3****1 credit****Open to 11**

English 3 focuses on survey of American Literature, continued writing development, and ACT test prep. Students will focus on extended writing as well as on-demand writing. They will learn to write in various forms and develop “on demand” writing skills, without extended time or revisions. Additionally, each English 3 student will refine and apply research and documentation skills through a variety of expository writing assignments. Works studied in English III include novels, short stories, poetry, plays, and essays. ***This course includes summer reading.*** **PREREQUISITE: English 2**

**Advanced Placement English Language & Composition****1 credit****Open to 11**

The AP Language and Composition course is designed to help students become skilled readers of prose written in a variety of rhetorical contexts and to become skilled writers who compose for a variety of purposes. As in the college course, the purpose of the AP Language and Composition course is to enable students to read complex texts with understanding and to write prose of sufficient richness and complexity to communicate effectively with mature readers. Much of the class discussion will focus on the author’s technique, meaning, and expressions of philosophical ideas. Students should expect this course to be similar to an introductory college writing course that focuses on exposition, argument, and literary analysis. ***This course includes summer reading.*** **PREREQUISITE: Honors English 2 or consent of English 2 teacher.**

**English 4****1 credit****Open to 12**

English 4 is a yearlong required course that will enable students to become skilled readers of a wide-range of literature, including: fiction, non-fiction, poetry, and short stories before they graduate. Students are expected to read and respond to a variety of grade-level texts, independently, in group discussions, reading conferences, and in writing. All facets of language arts - listening, speaking, reading, language, and real-world writing will be covered. The study of language in use – vocabulary, grammar, mechanics, sentence structure, and usage will be incorporated in this yearlong course as well. Ultimately, we are going to be about becoming: better thinkers, better readers, better writers, better speakers, and better people. ***This course includes summer reading.***

**PREREQUISITE: English 3**

**Advanced Placement English Literature & Composition****1 credit****Open to 12**

The Advanced Placement English Literature and Composition Course provides students with a course in composition and literary analysis which makes demands equivalent to those of a full year introductory college course. Through the close study of all genres, students sharpen their abilities to appreciate and evaluate literature. Numerous on-demand literary analysis essays are required, as well as assessments using AP-style multiple choice questions. Students should expect this course to be similar to an introductory college writing course that focuses on literary analysis. ***This course includes summer reading.*** **PREREQUISITE: AP English Language or consent of English 3 teacher.**

**ENG 101 (Writing I) Fall Semester****1 credit****Open to 11, 12**

Focuses on academic writing. Provides instruction in drafting and revising essays that express ideas in Standard English, including reading critically, thinking logically, responding to texts, addressing specific audiences, researching and documenting sources. Includes review of grammar, mechanics and usage. Upon completion of course, students will receive 3 college credit hours. **This is a BCTC course offered at SCHS. PREREQUISITE: B or above in English 3 or a recommendation from English 3 teacher, ACT benchmark of 18 in English and 20 in Reading.**

to be paired with  **ENG 102 Writing II**

**ENG 102 (Writing II) Spring Semester****1 credit****Open to 11, 12**

Emphasizes argumentative writing. Provides further instruction in drafting and systematically revising essays that express ideas in Standard English. Includes continued instruction and practice in reading critically, thinking logically, responding to texts, addressing specific audiences, and researching and documenting credible academic sources. Upon completion of course, students will receive 3 college credit hours. **This is a BCTC course offered at SCHS. PREREQUISITE: B or above in English 3 or a recommendation from English 3 teacher, ACT benchmark of 18 in English and 20 in Reading, passing score in ENG 101.**

**English Electives (these do NOT satisfy Required English Credits)****Creative Writing****1 credit****Open to 10, 11, 12**

Creative Writing class will explore techniques in writing poetry, fiction, and plays/scripts. Students will set personal writing goals and achieve these goals through revision and peer critique. We will read articles and possibly books on writing. Students will write often, both individually and collaboratively. Class members will learn personal revision and peer revision techniques. **PREREQUISITE: Students must have passed their English class this school year to be eligible for Creative Writing class.**

**Journalism****1 credit****Open to 10, 11, 12**

The goal of this advanced course is to provide students with exposure to how the field of journalism is changing, and to respond to newsworthy items in real time via the school's online newspaper site and its various social media outlets. Students will cover news stories for the high school and the local Georgetown community while learning and using the media technology of the 21st century. Students will also learn the unique characteristics of magazine layout to create a yearbook for the school using Adobe InDesign and Photoshop, two programs used by professional journalists across the country. All journalism students will be involved in reporting, interviews, writing and photography; however, many assignments will be tailored to the student's strongest interest and skills. Some after-school time is involved. Students should have at least a "B" average in their current English course, no more than 6 unexcused absences, and a recommendation from their current English teacher. The recommendation must be turned in to the counseling office before the student will be scheduled into Journalism.



# MATHEMATICS

## General /Minimum Scott County Graduation Requirements

Total Credits Required	9th	10th	11th	12th
4 Math courses	Algebra 1	Geometry	Algebra 2	Personalized Credit Covering the Standards

\*Additional elective Math courses are available in the course guide that students can take concurrently with required core curricular classes listed above or during 12th grade.

## Pre-College Curriculum

Total Credits Required	9th	10th	11th	12th
4 Math	Algebra 1 Or Honors Geometry	Geometry Or Honors Alg 2	Algebra 2 Pre-Calculus Honors Pre-Calculus AP Statistics	Algebra 3 Pre-Calculus Honors Pre-Calculus AP Statistics AP Calculus AB

\*Additional electives and College Board Advanced Placement Math courses are available in the course guide that can be taken concurrently with another core curriculum Math class or during 12th grade.

*All students must take a math course every year they are enrolled in high school to include Algebra 1, Geometry, Algebra 2, and at least one additional personalized credit covering the standards. Four credits of math taken at the high school level are required for graduation.*

*Middle school courses taken for high school credit will impact the student's GPA. Students earning less than an "A" in middle school courses that count for high school credit may retake those courses prior to entering the 10<sup>th</sup> grade in an attempt to be eligible for Valedictorian.*

### Algebra 1

**1 credit**

**Open to 9, 10**

This course is designed for students to gain an understanding of algebra by emphasizing concepts, structure, and applications. Problem solving, mathematical communication, reasoning, and mathematical connections will be stressed. Topics include an intensive study of one-variable equations, functions and inequalities, two-variable graphing and families of functions, slope, polynomial operations, and factoring.

### Geometry

**1 credit**

**Open to 10, 11, 12**

Emphasis is placed on discovery, proof, and realistic applications of geometric relationships and principles. Topics include constructions, transformations, polygons, quadrilaterals, parallel lines, inductive and deductive reasoning, points, lines, planes, angles, triangles, similarity and congruence, trigonometry, circles, geometric solids, area, volume, and coordinate geometry. Additional topics can include inequalities in triangles and circles and locus of points. TI-84 graphing calculators are recommended. **PREREQUISITE: Algebra 1.**

**\*\*\*\*Honors Geometry****1 credit****Open to 9**

This course is open only to 9th grade students who have successfully completed Algebra 1 and is designed for college-bound students who are planning to take pre-calculus in the 11th grade. Emphasis is placed on discovery, proof, and realistic applications of geometric relationships and principles. Topics include construction, transformations, polygons, quadrilaterals, parallel lines, inductive and deductive reasoning, points, lines, planes, angles, triangles, similarity and congruence, trigonometry, circles, geometric solids, area, volume, and coordinate geometry. Additional topics may include inequalities in triangles and circles and locus of points. Hands-on activities and interactive geometry software may be used to aid in students' discovery process. TI-84+ graphing calculators are recommended. **PREREQUISITE: Completion of Algebra 1 with a final average of an A or B.**

**Algebra 2****1 credit****Open to 11, 12**

In addition to expanding the mathematical concepts of Algebra 1, emphasis shall be placed on preparation for study of higher mathematics including abstract thinking skills; and the algebraic solution of problems in various content areas. Topics include the complex number system, quadratic equations, graphs of functions and their transformations, polynomials, radicals, exponential functions, sequences and series, and probability. A graphing calculator is recommended. **PREREQUISITE: Algebra 1, Geometry, or taking Geometry concurrently.**

**Honors Algebra 2****1 credit****Open to 10**

This course is designed for students who intend to study calculus. It expands the regular Algebra 2 content to include higher order problems, appropriate use of graphing technology and integration of Geometry and Algebra. A graphing calculator is required. **PREREQUISITE: Honors Geometry (C or higher) OR Geometry (B or higher with teacher recommendation).**

**Agricultural Math for Math Credit****1 credit****Open to 12**

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. An Agricultural Math course may include, but is not limited to, topics found in the (+) standards of the KAS for Mathematics. Leadership development will be provided through the FFA student organization. To count as a senior math credit, students must have completed THREE AGRICULTURE PATHWAY COURSES. **PREREQUISITE: Algebra 1, Algebra 2, Geometry**

**Math for Business and Industry****1 credit****Open to 11, 12**

This course enables students to explore mathematical content for personal, business, and industrial use. Math concepts and skills are applied through study and problem-solving activities in real-world situations in the following areas: banking, measurement, borrowing and investing, consumer purchases, and financial management. Training will be provided in this course that can result in Microsoft Office Specialist (MOS) in Excel. The student organization, DECA, will be utilized for leadership development. To count as a senior math credit, students must have completed TWO BUSINESS PATHWAY COURSES and be enrolled in a third. **\$15 Lab Fee. Successful completion of this course will also satisfy the senior math credit required for graduation. SUGGESTED CO-REQUISITE: Introduction to Management.**

**12<sup>th</sup> Integrated Math****1 credit****Open to 12**

This year-long course is designed to strengthen basic algebraic and problem solving skills so students may successfully show College and Career readiness (reaching benchmark on ACT). This course will satisfy the SCHS 4<sup>th</sup> year of math for graduation. It is open to seniors who did not score at least 19 on the ACT. *Seniors with a Pre-Calculus credit may not take this course. This course does not count towards the core course requirements for NCAA eligibility nor scholarships.*

**Intro College Math/Algebra 3****1 credit****Open to 12**

This year-long course is designed as the 4th year of math after Algebra 2. In this course students will study various types of equations, such as linear, quadratic, polynomial, and trigonometric, as well as some modeling and application problems. Students will be given opportunities to solve real-world math problems, graph and analyze data, and improve algebraic and abstract thinking skills. This course is meant to help prepare students to succeed in college math courses. This class is open to seniors who have at least a 19 on the ACT, need a fourth math credit and have passed Algebra 1, Geometry, and Algebra 2.

**Precalculus****1 credit****Open to 11, 12**

This course is designed to prepare students to take college level calculus, either AP Calculus or a college course in calculus. It includes an emphasis on linear, polynomial, rational, trigonometric, logarithmic, and exponential functions. Students will make appropriate use of technology. A graphing calculator is required.

**PREREQUISITE: Geometry and Algebra 2.**

**Honors Precalculus****1 credit****Open to 11, 12**

This course is designed to prepare students to take AP Calculus. It includes an emphasis on polynomial, rational, trigonometric, logarithmic, and exponential functions. Polar coordinates will be explored along with conic sections. The course ends with a preview of calculus including limits. **A graphing calculator is required. PREREQUISITE:**

**Honors Algebra 2 (C or higher), Algebra 2 (B or higher with teacher recommendation), and Geometry.**

**Advanced Placement Calculus AB****1 credit****Open to 12**

This course has been designed as a rigorous and relevant study of calculus that is taught at an accelerated rate. All topics tested on the AP Calculus AB exam will be covered. The course is meant to provide students with an in-depth knowledge of the study of calculus by investigating concepts analytically, graphically, verbally, and numerically. By the end of the course, students should be well prepared for the AP Calculus AB Exam which could result in college credit for Calculus I. Requirements: TI-84+ graphing calculator. For a more in-depth description, go to APCentral.com. **PREREQUISITE: Honors Pre-calculus or Pre-Calculus with teacher recommendation.**

**Advanced Placement Computer Science****1 credit****Open to 10, 11, 12**

Students will program and apply 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. **PREREQUISITE: Algebra 1, Geometry**

**Advanced Placement Statistics****1 credit****Open to 11, 12**

The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes:

1. Exploring Data: describing patterns and departures from patterns
2. Sampling and Experimentation: planning and conducting a study
3. Anticipating Patterns: exploring random phenomena using probability and simulation
4. Statistical Inference: estimating population parameters and testing hypotheses.

**PREREQUISITE: Algebra 2**

Requirements: TI-84+ graphing calculator.

# Science

## General /Minimum State Graduation Requirements

Total Credits Required	9th	10th	11th	12th
*3 Science	Intro to Bio with Earth Space Science	Intro to Chemistry with Earth Space Science	Physical Science	

\*Additional elective science courses are available in the course guide that students can take concurrently with required core curricular classes listed above or during 12th grade.

## Pre-College Curriculum

Total Credits Required	9th	10th	11th	12th
*3 Science	Honors Intro to Bio with Earth Space Science	Honors Intro to Chemistry with Earth Space Science	Honors Physical Science	

\*Additional electives, College Board Advanced Placement, and Dual Credit science courses are available in the course guide that can be taken concurrently with another core curriculum honors science class or during 12th grade.

### Intro Biology w/ESS

**1 credit**

**Open to 9, 10, 11, 12**

Students develop a conceptual understanding of Biology and Earth/Space Science. They experience biology and Earth/space science concepts, as outlined in the Kentucky Academic Standards for Science, such as structure and function of cells; molecular basis of heredity; biological change; changes in the Earth system; interdependence of organisms; matter, energy and organization in living systems; and the behavior of organisms. Students will learn these core ideas through the use of the science and engineering practices and crosscutting concepts. The science and engineering practices are the skills students will use as they investigate the natural world, and develop solutions to problems. The crosscutting concepts are conceptual ways of thinking that cross the domains of science. For this model the suggested sequence is Introductory Physics with Earth/Space Science, Introductory Chemistry with Earth/Space Science, and Introductory Biology with Earth/Space Science.

### \*\*\*\*Honors Intro Biology w/ESS

**1 credit**

**Open to 9, 10, 11, 12**

Students will contract with their Biology teacher in the fall and complete the additional required in order to earn Honors on their transcript.

### Intro Chemistry w/ESS

**1 credit**

**Open to 10, 11, 12**

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

**\*\*\*\*Honors Intro Chemistry w/ESS****1 credit****Open to 10, 11, 12**

Students will contract with their Chemistry teacher in the fall and complete the additional required in order to earn Honors on their transcript.

**CHE 170 General College Chemistry I 1 Credit****Open to 11,12**

Focuses on major chemical topics, including stoichiometry, atomic structure, properties of matter and the relationship between molecular structure and chemical behavior. Emphasizes solving mathematical problems which illustrate the principles of chemistry. Intended for students who plan to study the sciences, engineering, or pre-professional programs beyond high school. **Enrollment requirements: Completion of Chemistry & Algebra 2. ACT and/or GPA requirements to be determined. Check mid-January for an update.**

**CHE 175 General College Chemistry Lab I****.5 Credit****Open to 11,12**

Reinforces concepts covered in CHE 170 and introduces basic laboratory techniques, methods, and instrumentation through selected experiments. Emphasizes both quantitative and qualitative techniques. \$15 Lab Fee Required. **Required Corequisite: CHE 170**

**Physical Science****1 credit****Open to 11, 12**

Students develop a conceptual understanding of physical science, as outlined in the Kentucky Academic Standards for Science. They experience physical science concepts such as structure of atoms, structure and properties of matter, chemical reactions, motions and forces, conservation of energy and increase in disorder, and interactions of energy and matter. Students will learn these core ideas within these topics through the use of the science and engineering practices and crosscutting concepts. The science and engineering practices are skills students will use as they investigate the natural world and develop solutions to problems. The crosscutting concepts are conceptual ways of thinking that cross the domains of science. There is a **\$10** fee for materials used in class.

**\*\*\*\*Honors Physical Science****1 credit****Open to 11, 12**

Students will contract with their Physical Science teacher in the fall and complete the additional required in order to earn Honors on their transcript.

**Advanced Placement Biology****1 credit****Open to 9, 10, 11, 12**

AP Biology covers the equivalent of a college course in introductory biology. The aim of the course is to achieve knowledge of concepts and processes of biology and an understanding of the means by which biological information is collected and interpreted. The course consists of the following segments: molecular and cellular biology, organism biology, population biology and ecology. The course and exam description can be found on the College Board website at: [AP Biology Course and Exam Description](#). There is a \$10 lab fee for materials.

**Advanced Placement Chemistry****1 credit****Open to 10, 11, 12**

AP Chemistry provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore content such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics and equilibrium. The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first year of college. The course description can be found on the College Board website at [AP Chemistry Course and Exam Description](#). There is a \$10 lab fee for materials.

**PREREQUISITE: Algebra 1, Geometry, and Algebra 2, or currently taking Algebra 2 and Honors science.**

**Advanced Placement Physics 1****1 credit****Open to 10, 11, 12**

The AP Physics B course is now separated into two, full-year courses allowing students to achieve in-depth understanding. They will have more time for hands-on explorations of physics content and inquiry labs. Advanced Placement Physics 1 is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits. The two page course overview provided by the College Board can be found at: [Two Page Overview](#). There is a **\$10** fee for materials used in class. **PREREQUISITE: Algebra 1, Geometry, and Algebra 2, or currently taking Algebra 2 and Honors science.**

**Science Electives (these do NOT satisfy Required Science Credits)****Zoology (Fall Semester)****½ Credit****Open to 10, 11, 12**

A ½ credit science elective that offers students a chance to explore the diversity of animal life on our planet. Students will explore anatomical features of all existing animal phyla and gain an understanding of variations in reproductive and physiological strategies that the different groups employ in both aquatic and terrestrial ecosystems. This course is designed to be a useful stepping-stone to students interested in biology-heavy majors in college and biomedical career pathways. There is a \$10 fee for materials used in this class.

***To be paired with Microbiology*****Microbiology (Spring Semester)****½ Credit****Open to 10, 11, 12**

A ½ credit science elective that offers students a chance to explore the diversity of microscopic organisms and some other non-living pathogens that have a profound influence on our lives. Topics addressed include identification of types of microbes, ecological significance of microbes, and human health impacts of microbes. This course addresses critical content for bioengineering and biomedical career pathways. There is a \$10 fee for materials used in this class.

**Anatomy and Physiology****1 credit****Open to 11, 12**

Human Anatomy and Physiology is a laboratory-based course that investigates the structure and function of the human body. This course is highly recommended for students wanting to enter the medical field. Topics covered will include the basic organization of the body, biochemical composition, and major body systems along with the impact of diseases on certain systems. Students will engage in many topics and competencies related to truly understanding the structure and function of the human body. Working from the topics of basic anatomical terminology to the biochemical composition of the human body, all the way into great detail of each of the major systems of the body, students will learn through reading materials, study guides, unit worksheets, group work, projects, and labs. High levels of achievement will be in effect. Students will be responsible for proper use of lab equipment, lab reports, and projects assigned throughout each unit. One of the goals of this course is to prepare students with the skills necessary to be successful in future science classes in college. There is a \$15 fee for materials used in class. **PREREQUISITE: Chemistry.**

**Forensic Science****1 credit****Open to 11, 12**

This elective class is designed to integrate all of the sciences: biology, chemistry, physics, earth science as well as mathematics, in the study of crime scene investigations both in the field and in the laboratory. Emphasis will be on performing sample crime scene investigations and using technology for simulated crime scene work. There is a \$10 fee for materials used in class. **PREREQUISITE: Biology or Chemistry.**

# Social Studies

## General /Minimum State Graduation Requirements

Total Credits Required	9th	10th	11th	12th
3 Social Studies	Intro to Social Studies	World History in Modern Times	US History 1877-Present	

\*Additional elective Social Studies courses are available in the course guide that students can take concurrently with required core curricular classes listed above or during 12th grade.

## Pre-College Curriculum

Total Credits Required	9th	10th	11th	12th
3 Social Studies	Honors Social Studies Or AP US Gov/Politics	AP World History	AP US History	

\*Additional electives and College Board Advanced Placement courses are available in the course guide that can be taken concurrently with another core curriculum honors Social Studies class or during 12th grade.

### Integrated Social Studies

**1 credit**

**Open to 9**

This course is an overview of many of the disciplines of social studies. The purpose of the course is to introduce life skills necessary to become a productive community member as well as basic skills needed to succeed in higher-level social studies courses. Areas of study include economics, geography, civics, and government. Thinking, reasoning, and cultural diversity are integrated throughout the course.

### Advanced Placement U.S. Government & Politics

**1 credit**

**Open to 9, 11, 12**

This is a challenging, college level course in which students will gain a comprehensive understanding of the structure and inner workings of the government and politics of the United States. Topics will include the following: the constitutional underpinnings of the U.S. government, the political beliefs and behaviors of individuals, political parties, interest groups and mass media, the institutions of federal government (including Congress, the presidents and the executive branch bureaucracy, and the federal courts), the formulation and shaping of public policy, and civil rights and civil liberties. The primary goal of the course is to prepare students to take the AP U.S. Government and Politics exam. Students must complete extensive reading and writing assignments and actively participate in class. **Completion of a summer reading assignment is required.**

### World History in Modern Times

**1 credit**

**Open to 10, 11, 12**

The World History course will extend students' knowledge of the world gained in middle school, reviewing civilizations after 1500. Students will comprehend the contemporary world, based on an understanding and appreciation of the past. The course shall embrace a global view of the history of humankind. The course will be interdisciplinary, drawing on concepts from social studies disciplines, including history, anthropology, economics, geography, political science, psychology, and sociology, as well as utilizing the arts, literature, and philosophy.

**Advanced Placement World History****1 credit****Open to 10**

The purpose of AP World History is to understand how human societies develop over time. AP World History will focus equally on the history of Africa, Asia, South America, the Middle East, Europe and North America. Students will learn how to analyze and develop conclusions about the causes and effects of history. Students will learn how factors such as disease, war, trade, culture, geography, gender, governments, technology, and invention shape the world we live in today. To be successful, students must complete extensive reading and writing assignments along with actively participating in the class discussions.

**Required completion of a summer assignment.****U.S. History 1877 - Present****1 credit****Open to 11**

The United States History course serves as a capstone to the study of America's history in fifth through eighth grades. The focus will be on colonization to the present, looking at the forces that shaped and continue to shape political, economic, and social institutions and the impact of those forces on the development of the United States in the Twentieth Century.

**Advanced Placement U.S. History****1 credit****Open to 11**

This is a challenging, college level course in which students will gain a comprehensive understanding of American literature and history. The primary goal of the course is to prepare students to take the AP exam in U.S. History. To be successful, students must complete extensive reading and writing assignments and actively participate in class.

**Required completion of a summer assignment.****Social Studies Electives****Advanced Placement Comparative Gov't/Politics****1 credit****Open to 11, 12**

Attention future leaders in politics, business, law, international relations, economics, or those simply interested in the wider world around them. In AP Comparative Government and Politics, we will unpack the fundamental concepts on Political Science. We will aim to illustrate the rich diversity of political life, to show available institutional alternatives, to explain differences in processes and policy outcomes, and to communicate the importance of global, political, and economic changes. In addition to covering these major concepts, the course will cover specific countries and their governments. Six countries form the core of the AP Comparative Government and Politics course: China, Great Britain, Mexico, Nigeria, Iran, and Russia. By using these six core countries, the course can move the discussion of concepts from abstract definition to concrete example. Come to the table ready to learn, debate, question, discover, and walk away with a broader understanding of global issues facing our planet.

**Psychology****1 credit****Open to 10, 11, 12**

This class deals with the study of human behavior and its influence on one's own life and behavior. In addition, psychology seeks to understand and explain thoughts, emotions, feelings, and behavior. Depending on the topic of study, students will use techniques such as observation, assessment, and experimentation to develop theories about the beliefs and feelings that influence a person's actions.

**Advanced Placement Psychology****1 credit****Open to 11, 12**

As a college level course, the purpose of AP Psychology is to introduce the systematic and scientific study of the behavior and mental processes of human beings and animals. Included is a consideration of the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students also learn about the ethics and methods psychologists use in their science and practice. At the end of the class, students will be able to take the AP Psychology exam which can lead to the student earning college credit in that field. The class is open to all juniors and seniors. Regular psychology is not a prerequisite for this course.



# Arts and Music

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**The Arts/Humanities graduation requirement may be fulfilled with one credit in arts/humanities (History & Appreciation of Visual & Performing Arts AND Fundamentals of Art & Design combined), choral music, band, piano, AP Music Theory, media arts, art 2, 3, 4/AP, Floral Design (if previous agriculture courses has been taken) or BCTC's HUM 120 (dual credit).**

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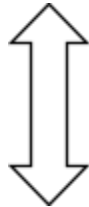
## Fine Arts

### **History & Appreciation of Visual & Performing Arts    ½ credit**

**Open to 9, 10, 11, 12**

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 of 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. Content: Arts and Humanities/History and Appreciation of the Visual and Performing Arts

*To be paired with*



These 2 classes are paired together to create 1 full Arts/Humanities credit. Students who have already received a Humanities credit may still enroll in Fundamentals of Art and Design as a Visual Arts Elective

### **Fundamentals of Art and Design**

**½ credit**

**Open to 9, 10, 11, 12**

Students are introduced to the basic fundamentals of artistic expression. The course includes experiences in drawing, painting, two-and three-dimensional design, sculpture, and other art forms. The course emphasizes observations, interpretation of the visual environment, visual communication, imagination and symbolism, and an introduction to various visual arts techniques and media. The focus of the course is on application of the fundamental processes of artistic expression and application of the concepts and approaches in the symbolic aspects of art and design to two- and three-dimensional problems so that they demonstrate a range of abilities and versatility with technique, problem solving, and ideation. A study of historical and contemporary art and artists from a worldwide perspective, and instruction and practice in peer review through the critique process, presentation or their responding to art and connecting their art to the world around them are included.

# MUSIC DEPARTMENT

Scott County High School features one of Kentucky's premiere high school music departments. The band and choir programs at SCHS offers students opportunities to have fun and interact with other musicians while developing and refining individual musicianship, performing in the highest quality ensembles, cultivating leadership skills, *and artistically expressing themselves*. Music students are among the most involved, academically driven, and spirited groups in the school!

All bands and choirs meet the Arts and Humanities requirement. While students can prepare for a career in music and can choose a high school concentration in the arts, musically inclined students in *all career pathways* are encouraged to participate in four years of music ensembles, keeping in mind that many professions and colleges are particularly interested in depth and longevity of participation, regardless of collegiate major.

SCHS students are able to participate in music ensembles for 4 years and also take dual credit courses, attend ECS, play on athletic teams, and be involved in a variety of other programs.

## Choral Music

1 credit

Open to 9, 10, 11, 12

Choral Music – The choirs are **audition-only** ensembles for students who are willing to give total concentration as well as hard physical and vocal work during class. Students are expected to possess proficient singing skills. Students will study, rehearse, and perform music of various styles and difficulty. Students will also study music theory, history, and build music literacy skills. This course meets the state requirements for the Arts/Humanities credit. Regular attendance is a must and attendance at performances is compulsory. attendance is a must and attendance at performances is compulsory. Our HS choirs have earned numerous accolades and have a strong tradition of excellence. **An outfit rental fee of \$35 is required.**

## Piano

1 credit

Open to 10, 11, 12

This course is designed to help students develop piano skills or improve skills if they are already proficient. The reading and playing of basic chords and simple melodies will be taught, progressively getting more challenging. An individualized approach will be used to encourage students to make progress at their own pace. Basic music theory and history of the Fine Arts is integrated throughout the year. This course meets the state requirement for the Arts/Humanities credit. Many students make impressive progress in one year! **A class fee of \$15 is required, and covers the cost of the Piano Lesson Book(s), which students may keep at the end of the year.**

## Music Theory

1 credit

Open to 10, 11, 12

This class is designed for music students seeking a deeper understanding of how music is structured and composed. Develop fundamentals of sight-singing, ear-training, and notation that will enhance your performance skills in any ensemble and prepare you for further musical study. Includes skills, techniques, and terminology of chordal analysis and compositional analysis. Homework is required. **Students must have music training through at least one year of high school band, chorus or piano and must get the teacher's approval. PREREQUISITE: Band, Choir or Piano.**

# BAND

Scott County High School's nationally recognized band program includes multiple leveled concert bands, basketball pep band, the Cardinal Marching Band, and opportunities for jazz and chamber music participation.

- Students work to improve individual and group musicianship through productive and fun rehearsals, quality performances, and the study of worthwhile music literature.
- The Scott County band offers a creative outlet during the school day for students to artistically express themselves, develop and implement leadership skills, and participate in team building.
- Students acquire not only the technical and artistic skills to play an instrument well, but they gain the discipline and social awareness necessary to succeed in any course of study they may wish to pursue.
- Join the SCHS Band family and get involved in one the most spirited and academically accomplished groups in the school. Extra opportunities for performances and travel are offered.
- All bands meet the state requirements for the Arts/Humanities credit. Students earn 1 credit per year in band.
- Students audition for band placement in the spring semester of the previous year. Students interested in Intro to Band class must complete the application and return to Mrs. King.

## **Symphonic Winds (Honors Band)**

**1 credit**

**Open to 9, 10, 11, 12**

### **Course selection determined by Band Directors**

Symphonic Winds is an audition-only group for the most accomplished students in the band program. Study, rehearse, and perform advanced literature of the highest quality from all styles and periods. Students in this band combine with the Concert Band and members of the Intro to Band course to form the Cardinal Marching Band (football season only) and Pep Band (basketball season only). **This course is curricular and extra-curricular**, with required performances and some after school rehearsals.

## **Concert Band**

**1 credit**

**Open to 9, 10, 11, 12**

### **Course selection determined by Band Directors**

Concert Band is an audition-only group for band students. Study, rehearse, and perform quality music of medium difficulty from all styles and periods. Students in this band combine with the Concert Band and members of the Intro to Band course to form the Cardinal Marching Band (football season only) and Pep Band (basketball season only). **This course is curricular and extra-curricular**, with required performances and some after school rehearsals.

**SCHS Band Percussion Class****1 credit****Open to 9, 10, 11, 12****Course selection determined by Band Directors**

Percussion class is an audition-only group for all of the percussionists in the SCHS band program. Develop and refine your performance skills while studying, rehearsing, and performing quality music of advanced and medium difficulty from all styles and periods. Students in the percussion class will integrate with the Cardinal Marching Band (football season only), Pep Band (basketball season only), and both Symphonic Winds and Concert Band. **This course is curricular and extra-curricular**, with required performances and some after school rehearsals.

**Intro to Band (Beginning Band & Preparatory Band) 1 credit****Open to 9, 10, 11, 12****Course selection open and determined by Band Directors**

*Wish that you had learned how to play an instrument when you had the chance? Interested in trying something new? Want to connect with other students making music?* This band is divided into 2-3 sections and is open to students who are interested in learning to play a band instrument (beginning band) and students who need additional instruction in order to reach proficiency on their instruments (preparatory band).

**Beginning Section** - No previous band experience is necessary, and we can assist you in choosing an instrument if you want to get involved but are undecided. Beginning students learn to properly produce a tone and read music. Beginning students will have two required performances, and will have the opportunity to integrate into the Cardinal Marching Band and pep band as skill levels progress. **Interested students must complete the application and return to Mrs. King.**

**Preparatory Section** - Students in the preparatory section will be placed in this band through audition and director recommendation. Preparatory students will continue to refine tone production and note reading skills to reach proficiency, and begin to develop leadership skills in the band rehearsal. Preparatory students are included in the Cardinal Marching Band (football season only) and pep band (basketball season only). **This course is curricular and extra-curricular**, with required performances and some after school rehearsals.

**Secondary Section** – Open to senior band members concurrently enrolled in Symphonic Winds who are considering a career in music. Students can learn a “secondary instrument” and acquire experience in teaching others on the “primary instrument.” Students are placed in the secondary section only through director recommendation.

**Jazz Band – After-School Class****½ credit****Open to 9, 10, 11, 12****Course selection determines by Band Directors**

Jazz Bands 1 & 2 allow SCHS students to explore the complex American art form of jazz. Membership in a jazz band is by successful audition and permission by the instructor only. Rehearsals are from 3:55-4:45 on selected days. Each band performs at concerts, community events, and festivals.

# Health and Physical Education

## Health

½ credit

Open to 9, 10, 11, 12

This one-half credit course is designed to teach skills necessary for individual well-being and healthy family relationships. It also emphasizes the concepts students need to remain physically healthy and to accept responsibility for their own physical well-being. Students are taught strategies for becoming and remaining mentally and emotionally healthy.

## Physical Education

½ credit

Open to 9, 10, 11, 12

In this one-half credit course, students will perform movement skills in a variety of settings. Students will acquire knowledge and skills that promote physical activity and life-long physical fitness. . Emphasis will be placed on mastering the demonstration and implementation of activity and Life-long physical fitness skills through activities that contribute to mental, emotional, and social health. **Students will be required to dress out in clothing approved by the instructor.**

## Advanced P.E.

½ credit

Open to 10, 11, 12

This course is highly competitive in nature. It is designed for students who want to develop advanced athletic skills in both individual and group settings. Fitness skills will also be included and there will be periodic assessments to mark progress. **Students will be required to dress out in clothing approved by the instructor. PREREQUISITE: Physical Education or Strength and Conditioning.**

## Aerobic Walking

½ credit

Open to 10, 11, 12

During this course, students will be given an opportunity to improve fitness levels by engaging in different types of walking activities ranging from leisure walking to speed walking. Timed assessments of mile and the mile and a half will be used to determine grade based on national standards of age and gender. These tests will be conducted on the in and out door tracks. **Students will be required to dress out in clothing approved by the instructor. This course DOES NOT satisfy the PE requirement.**

## Strength and Conditioning

½ - 1 credit

Open to 9, 10, 11, 12

This co-ed class is designed to offer students a chance to improve their current fitness levels. It will be geared towards health and skill related fitness components. Class activities will include exercise technique and form, safety awareness, flexibility, coordination and agility, balance, periodization training, different modes of resistance training, and plyometric training. There will be periodic assessments to mark progress. **Students will be required to pay a \$20 class fee (SBDM approved). Satisfies the PE requirement.**

## Female Strength and Conditioning

½ - 1 credit

Open to 9, 10, 11, 12

An all-female class that focuses on the fitness aspect of Physical Education. Objectives of the course are to allow the student to evaluate, monitor, and improve her own fitness level in a noncompetitive environment. Personal development using a cross fit and resistance training approach with a focus on core development. Personal nutrition will be emphasized as it relates to the student's training and personal development. **Students will be required to pay a \$20 class fee (SBDM approved). Satisfies the PE requirement.**

# World Languages

*Although world language courses are not required for graduation, all students are encouraged to take a minimum of two years of the same World Language, and should start in the 9<sup>th</sup> grade year. This will give them the opportunity to take four years of the language ending with the AP class. A two year minimum is part of the pre-college curriculum, but many colleges are also looking for language proficiency in reading, writing, speaking, and listening rather than just credits earned. We encourage students to take as many courses as possible to reach their desired level of target language proficiency.*

## **French 1**

**1 credit**

**Open to 9, 10, 11**

This course is designed to develop language skills and to prepare students for living in a global society. Classroom instruction is designed to develop the ability to communicate in a second language by involving students in communicative tasks. Classroom instruction includes listening, reading, speaking, and writing skills. Topics include: telling time, talking about school and classes, expressing likes and dislikes, greeting others, knowing the terminology for numbers, clothing, and food, and discussing family. All of this will be taught in a contemporary cultural context from countries in the French speaking world.

## **French 2**

**1 credit**

**Open to 10, 11, 12**

This course is a continuation of French 1, in which students continue to develop language skills and prepare to live in a global society. Classroom instruction is designed to develop the ability to communicate in a second language by involving students in communicative tasks. Classroom instruction includes listening, reading, speaking, and writing skills. Discourse is expanded to include past, present and future time frames. Students will learn French in a contemporary cultural context, including topics with food, housing, and regions of France. Topics include: pastime activities, daily routine, food, sports and health, and film discussions.

**PREREQUISITE: French 1 or equivalent level.**

## **Honors French 3**

**1 credit**

**Open to 11, 12**

This course is a continuation of French 2, in which students continue to develop language skills needed to live in a global society. Classroom instruction is designed to develop the ability to communicate in a second language by involving students in communicative tasks. Classroom instruction includes listening, reading, speaking, and writing skills. Discourse is expanded to include multiple time frames. Students will learn French in a contemporary cultural context, including topics with travel and French-speaking countries. Course will be conducted primarily in French. Topics include: navigating an airport, making reservations at a hotel, advanced descriptions of people and objects, relationships, shopping, driving, and professions. **PREREQUISITE:**

**French 2 or equivalent level.**

## **Advanced Placement French**

**1 credit**

**Open to 12**

This college-level class is the capstone course of our program. Students will focus on refining their skills in the areas of speaking, reading, listening, and writing, all presented in cultural context. AP French is organized around the following six themes as outlined by College Board: Global Challenges, Science & Technology, Contemporary Life, Personal & Public Identities, Families & Communities, and Beauty & Aesthetics. Course will be conducted primarily in French. Students are eligible to take the AP French test with the opportunity to earn college credit. **PREREQUISITE: Honors French 3 or equivalent level.**

**Japanese 1** **1 credit** **Open to 9, 10, 11**  
Japanese 1 introduces students to the Japanese language and culture. Skills of speaking, listening, reading, and writing will be developed through various activities and assignments. Students also learn Japanese culture through a variety of activities. An affordable two week homestay program in Japan is offered each year for up to five Japanese language students who excel in the classroom with priority given to those in the upper levels.

**Japanese 2** **1 credit** **Open to 10, 11, 12**  
This course will continue the language skills (listening, speaking, reading, and writing) begun in Japanese 1. The study of Japanese culture will also continue. **PREREQUISITE: Japanese 1 or equivalent level.**

**Honors Japanese 3** **1 credit** **Open to 11, 12**  
This course will continue the language skills (listening, speaking, reading, and writing) covered in Japanese 2. The study of Japanese culture will continue. **PREREQUISITE: Japanese 2 or equivalent level.**

**Advanced Placement Japanese /Japanese 4** **1 credit** **Open to 12**  
Students will continue to expand language skills learned in Japanese 1-3. Japanese culture will continue to be studied. **PREREQUISITE: Honors Japanese 3 or equivalent level.**

**Spanish 1** **1 credit** **Open to 9, 10, 11**  
In this introductory Spanish language course students practice interpersonal communication, presentational speaking and writing, and interpretive listening and reading through themes of school, family, home, and leisure activities. They will develop global awareness by studying the rich culture and heritage of Hispanic citizens in the U.S. as well as other countries.

**Spanish 2** **1 credit** **Open to 10, 11, 12**  
In Spanish 2, students practice interpersonal communication, presentational speaking and writing, and interpretive listening and reading through themes of healthful eating, hospitality, daily routines, and seeing a doctor. They will further develop global awareness by studying the rich culture and heritage of Hispanic countries. **PREREQUISITE: Spanish 1 or equivalent level.**

**Honors Spanish 3** **1 credit** **Open to 11, 12**  
This honors Spanish course is for students considering continued studies in Advanced Placement. Students are expected to use more Spanish in daily classroom interactions. They practice interpersonal communication, presentational speaking and writing, and interpretive listening and reading through various themes organized around authentic tasks. They will progress towards global citizenship through greater awareness of international issues and perspectives. **PREREQUISITE: Spanish 2 or equivalent level.**

**Advanced Placement Spanish** **1 credit** **Open to 12 and approved native speakers**  
Advanced Placement Spanish is a course for college-bound students who want to earn college credit while in high school. Students learn advanced grammar structures and increase vocabulary. Students practice interpersonal communication, presentational speaking and writing, and interpretive listening and reading through AP themes of community, science and technology, beauty, contemporary life, global challenges, and personal and public identities. Students are strongly encouraged to take the AP examination. **PREREQUISITE: Honors Spanish 3 or equivalent level.**

## OTHER OPPORTUNITIES

### Teacher Aide

Non-Credit

Open to 12

Students will be assigned to work with a teacher in the high school or in an office situation. **PREREQUISITE: minimum of 18 credits and a minimum GPA of 2.75.**

### Peer Tutoring

1 credit

Open to 12

This is a one credit course which assigns students to be peer tutors for students in the FMD/special education unit or ESL (English as a Second Language) students. **PREREQUISITE: minimum of 17 credits, a minimum 2.75 GPA, and a teacher/counselor recommendation. Students interested in ESL tutoring must have a strong background in the Spanish language.**

### Dual Credit Courses

1 high school credit per course

Open to 11,12

Dual Credit courses allow a student to earn high school credit and college credit simultaneously. Courses may be taught on a college campus or on a high school campus, but will be in conjunction with a college or university. Students must be approved for enrollment by the university or college of their choosing in order to take a dual credit class. Some local institutions participate in the state's Dual Credit Scholarship Program (Midway University, BCTC, Eastern Kentucky University), where eligible students are awarded funds for two dual credit classes. Participating colleges charge 1/3 of the KCTCS hourly tuition rate (\$72 per credit hour for the 2029-2021 year). A complete listing of participating colleges can be found online at [kheaa.com](http://kheaa.com). The student is responsible for submitting their college class schedule and final transcript to their School Counselor each semester. Learn more starting on page 55. **PREREQUISITE: The state requires students to complete a 30-minute college success counseling session in order to participate in the Dual Credit Scholarship Program.**

### Dual Credit Middle College

Middle College is an opportunity through BCTC-Georgetown Campus for students to enroll in a full college course load during their Junior and Senior year as dual credit students. Students will not be enrolled in classes at the high school, but will be able to be involved in extracurricular activities. Students who participate in Middle College have the opportunity to earn an Associates Degree upon high school graduation. Students must complete the Middle College Application-due in Spring. Learn more starting on page 56. **PREREQUISITES: Students interested must have successfully completed Algebra 2 and have at least a 2.5 GPA and met benchmarks on the ACT.**

### WORK EXPERIENCE LEARNING (WEL)

1-3 Credits

Open to 12

Requesting this course is done through your counselor beginning two weeks prior to the start of the school year. Enrollment in an anchor course is required as well. Students who qualify for a CTE Co-op are not eligible for WEL.

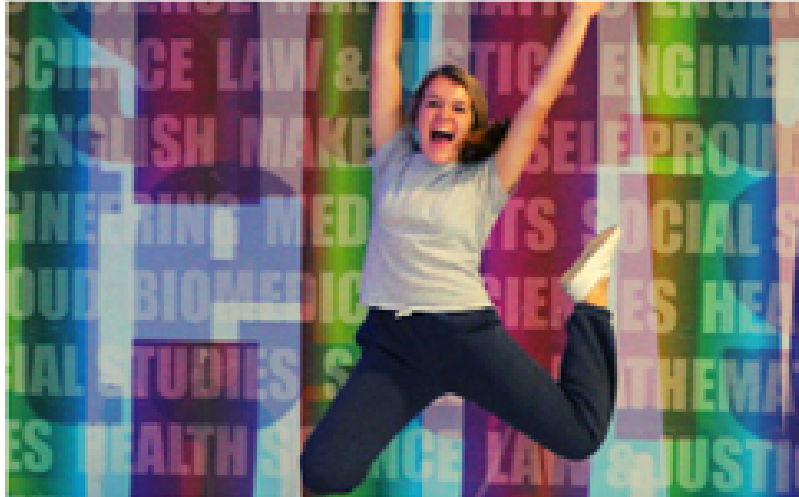
**\*\*\*Only students who are POSTSECONDARY READY will qualify for WEL\*\*\***

Work based experience provides an opportunity for students to work with a team consisting of a school advisor and potential employer to develop and improve on skills necessary to be successful in the workforce. The skills that are explored include job search, interviewing, job shadowing, communication skills, professionalism and working as a team. The course may involve academic projects aligned to skills applied at the workplace. Students who participate receive a salary for these experiences, in accordance with local, state and federal minimum wage requirements according to the [Work-Based Learning Guide](#). Transportation must be provided by the student/student's family. Actual employment must be arranged by the student before school begins and maintained to remain in the Work Experience Learning program.



# ECS

## ELKHORN CROSSING SCHOOL



### The Experience at Elkhorn Crossing School

ECS is an inquiry-based school where the lines between "technical" and "academic" are deliberately blurred. All students will use technology to research, produce, and present across disciplines. Much of the class work will be project-based and apply to real world application.

Curriculum at ECS is framed around answering questions and solving problems. Integration at ECS means that we address issues as they are found in the real world—in teams, studying questions and themes that cut across academic disciplines within a school village. It means that teachers collaborate within a village to develop coherent programs by intersecting their curriculums wherever possible. Come join one of our five unique villages: Biomedical Sciences, Engineering, Health Science, Law & Justice, Media Arts.

ECS students are graded on 5 work-ready competencies:

- Collaboration
- Growth Mindset & Work Ethic
- Communication
- Critical Thinking
- Content

All ECS pathways lead to industry certifications, making students more marketable as they enter the workforce.

All ECS villages offer AP and/or dual credit opportunities for students to earn college credit while still in high school.

ECS students gain real-world experience through internships and cooperative learning opportunities.

ELKHORN CROSSING SCHOOL: EDUCATION FOR CAREER SUCCESS

# BECOMING AN ECS STUDENT

## LOOK

Take a closer look at Elkhorn Crossing village offerings in our ECS course guide, located on the ECS webpage at [www.scott.kyschools.us/20/home](http://www.scott.kyschools.us/20/home).

## CALL

If you have any questions about the village offerings at ECS or would like to speak with someone about your scheduling needs, give us a call at 502-570-4920.

## APPLY

All students interested in attending ECS must apply online by completing our ECS application at [bit.ly/ECSROCKS2022](https://bit.ly/ECSROCKS2022). Link also located on our Elkhorn Crossing School webpage.



## RELAX

We pride ourselves on personalized scheduling for all students; therefore, the selection and scheduling process takes a little time. Your 2022-2023 schedule will be sent out by your home high school.

## CONNECT

While you wait, connect with us on social media!



@ecspride



@ Elkhorn Crossing School

## BEGIN

We look forward to working with you when school starts. Enjoy your first day as a student at Elkhorn Crossing School.

## Fayette County Technical Centers

### Required: Completion of an application

The Fayette County Technical Centers offer career and technical occupational training to high school students. All courses offered at Fayette County Technical Centers follow the **Kentucky Department of Education (KDE) Career & Technical Education (CTE)** curriculum and upon completion of an approved pathway of study will qualify the student as Career Ready. Students interested in receiving training in one of the technical programs should have a satisfactory scholastic standing, possess an average mechanical ability, and be able to follow written and verbal instructions. Acceptable standards of conduct, attendance, classroom work, and practical work are required for continuous enrollment. Students may earn up to three (3) elective credits for each year that they attend. Students who take an academic class will receive one (1) academic credit and two (2) elective credits. **Students may attend a Technical Center multiple years for more advanced training depending upon graduation requirements and scheduling needs.** Students who have achieved a level of acceptable work in a course may be allowed to participate in a work-based learning program, which allows students an opportunity to spend part of the school day working at a job in the community in a particular field of training.

### EASTSIDE TECH

4 Credits

Open to 11, 12

<http://fcps.net/Eastside>

**CORE CLASSES – NOT AVAILABLE for students outside of Fayette County for 2022-23 school year!**

### CAREER PATHWAYS/COURSES

#### TRANSPORTATION

##### **AUTOMOTIVE TECHNOLOGY**

Students become knowledgeable in the various systems of automotive to develop skills in troubleshooting, performing preventive maintenance, and servicing and repairing automobiles. Areas of study meet National Institute for Automotive Service Excellence (ASE) and current industry specifications and include engines, electrical systems, automotive electronics, brake systems, and steering & suspension.

##### **COLLISION REPAIR TECHNOLOGY**

From repairing small dents to rebuilding the bodies of wrecked or damaged vehicles, this program meets National Institute for Automotive Service Excellence (ASE) and current industry specifications and standards. Students are taught the types of materials used in filler compounds, the colors and chemical make-up of paints, design and installation of trim, cost estimation and preparation for finish work. Students who complete this program are qualified to continue their education at the postsecondary level as well as for employment in shops and dealerships.

## **DIESEL TECHNOLOGY**

Students in diesel technology learn to repair and maintain heavy trucks, heavy equipment and diesel engines. Students develop skills in troubleshooting, preventative maintenance, repair and servicing of all vehicles and equipment that utilizes diesel power. Instruction is focused on preparing students for postsecondary opportunities or career placement within this high-tech, high-demand career field.

## **INFORMATION TECHNOLOGY**

### **DIGITAL DESIGN & GAME DEVELOPMENT - \*2<sup>nd</sup> year students only**

This course provides a broad and in-depth approach to computer programming through game design. Using comprehensive theory and hands-on experiences, students will gain the skills and knowledge required for the entire development process of gaming from concept to completion. Students will become proficient with such gaming programs as Gamemaker, Swift, Unity, Paint Tool SAI and STEAM. Students will be using desktops and laptops. Opportunities may become available in programming languages (Ruby, Java, HTML, PHP, etc.), as well as, development of mobile applications for selected students. Prior knowledge of Microsoft Office and completion of Algebra is highly recommended.

## **COMMUNICATION**

### **CINEMATOGRAPHY AND VIDEO PRODUCTION**

Students enrolled in Eastside's Cinematography and Video Production program learn what it takes to be successful in today's fast - paced multi-media world. Our students are learning it all: reporting and anchoring for TV, videography, editing, behind the scenes news production, podcasting, blogging, composing original music for newscasts, and storytelling through digital photography. Eastside students have access to the most up-to-date equipment. They will learn to use the same editing software used in academy award winning blockbusters. Our students have the creative freedom to explore storytelling and turn their vision into multi-media masterpieces.

## **FLIGHT/AVIATION & AEROSPACE ENGINEERING**

Aviation students will receive training to earn a pilot's license and learn to master flight and/or navigation of unmanned drones, commercial and cargo aircraft, flight systems and controls, flight crew operations and radio communications, navigation procedures, safety and traffic regulations, and government rules. Aerospace will apply mathematical and scientific principles to design, development and operational evaluation of aircraft, and space vehicles and their systems. This pathway prepares individuals to apply technical knowledge into the first phase of aviation training leading to a remote or private pilot license.

<http://fcps.net/Southside>

**SOUTHSIDE CONSTRUCTION TECHNOLOGY PROGRAMS:****CARPENTRY**

The carpentry program teaches students to perform to national construction industry standards. Students are recommended to have a strong background in mathematics as they will study math in the classroom and also in the lab. Students are provided with hands-on carpentry experiences. Students will have the opportunity to attain OSHA certifications.

**ELECTRICAL TECHNOLOGY**

Students in the program will have the opportunity to study and practice residential wiring, industrial electricity, and programmable logic controllers (PLCs). Students will learn how to install wiring, conduit, service motors, and much more. Numerous fields of specialization are open to highly skilled electricians and the pay is very good.

**SOUTHSIDE MANUFACTURING TECHNOLOGY PROGRAMS:****ELECTRONICS TECHNOLOGY**

The program consists of class and lab activities using a modular approach to electronic circuitry. Students will focus on Integrated Electronics with emphasis being placed upon home and industrial engineering and installation of security, theater, audio and surveillance systems. Students also have the opportunity to work with robotics.

**INDUSTRIAL TECHNOLOGY**

The Industrial Technology Curriculum allows our students to explore and expand their knowledge in several areas of instruction. Students will complete hands-on assignments utilizing VEX Robotics and the VEX Robotics Curriculum. There are four courses in the VEX curriculum, Industrial Manufacturing, Electronics and Automation. In addition to this curriculum, students will also be trained to use "G-Coding" which is a needed skill in operating CNC (Computer Numerical Control) equipment. Our students can use a HAAS Mill which would be found in most manufacturing facilities. Students will also expand their knowledge in PLC (Programmable Logic Controllers), Mechatronics and FANUC.

**\*Continue reading for Dual Credit course options...**

## **ON-CAMPUS OPPORTUNITIES FOR STUDENTS PURSUING DUAL CREDIT (COLLEGE CREDIT)**

- **AGR 100 (Intro to Animal Science)-Murray State**
- **AGR 182 (Intro to Veterinary Science)-Murray State**
- **AGR 140 (Plant Science)-Murray State**
- **AGR 160 (Horticulture Science)-Murray State**
- **ENG 101 (Writing I) -BCTC**
- **ENG 102 (Writing II)-BCTC**
- **HUM 120 (Intro to Humanities)-BCTC**
- **HIS 109 (History of the US since 1865)-BCTC**
- **CHE 170 (General College Chemistry I)-BCTC**
- **CHE 175 (General College Chemistry I Lab)-BCTC**

**Prep Academy:** Dual credit college classes offered through BCTC designed for bilingual, Latinx, Chicana, Indigenous, Black, and First Generation students. Classes taught through a culturally responsive lens. 4-week College Prep in the Fall to learn how to be successful in a dual credit class. Embedded tutor will provide support for coursework and college skills.

**HUM 120 (Introduction to the Humanities) *Fall Semester*      1 credit      Open to 9, 10, 11, 12**  
Explore art, poetry, fiction, mythology, drama, theater, film and more through a Chicano, Latino perspective.

*To be paired with*  ***HIS 109 History of the US since 1865***

**HIS 109 (History of the US since 1865) *Spring Semester*      1 credit      Open to 9, 10, 11, 12**  
History of the US from Reconstruction through the contemporary era taught through Indigenous and Black perspectives.

## **OFF-CAMPUS OPPORTUNITIES FOR STUDENTS PURSUING DUAL CREDIT (COLLEGE CREDIT)**

**Dual Credit:** This is an opportunity in which high school *Juniors and Seniors* may be enrolled in high school and at a post-secondary institution concurrently while earning credit at both institutions. Students are responsible for their own transportation. Students follow the college's academic calendar, which may require students to attend class on days when SCHS is not in session. ***Dual credit students will be released from school for 2 consecutive blocks to attend class*** (college schedule will be reviewed by school counselors to determine SCHS schedule). College Classes are semester based, so a student must enroll in the same number of classes in the Spring semester as they did in the Fall semester. Enrollment in 3 college courses for the Fall and Spring is considered a full-time student and will not be required to take any classes at SCHS, unless they are needed for graduation. \*Please note each college will have a limit on the number of dual credit classes a student can take. There will be a Dual Credit Night offered in the month of February to learn more!

**Middle College:** This is an opportunity for Rising Juniors to enroll in 15 or more college credit hours each semester, allowing students to get a head start on college, saving both time and money. Rising Juniors can graduate high school with an associate's degree from BCTC. Below is a sample schedule of a Middle College student's schedule for their Junior and Senior year.

Middle College Year 1			
<i>Fall Semester</i>	<i>High School Credit</i>	<i>Spring Semester</i>	<i>High School Credit</i>
ENG 101 Writing I	3rd English Credit	ENG 102 Writing II	4th English Credit
PSY 110 General Psychology	Elective Credit	BIO 112 Intro to Biology	Biology Credit
HUM 120 Introduction to the Humanities	Arts and Humanities Credit	BIO 113 Intro to Biology Lab	
HIS 109 History of the United States Since 1865	US History Credit	COM 181 Basic Public Speaking	Elective Credit
MAT 150 College Algebra	3rd Math Credit	SOC 101 Intro to Sociology	Elective Credit
Middle College Year 2			
<i>Fall Semester</i>	<i>High School Credit</i>	<i>Spring Semester</i>	<i>High School Credit</i>
OST 105 Intro to Information Systems	Elective Credit-Work Ready	HIS 240 History of Kentucky	Elective Credit
REL 130 Intro to Comparative Religion	Elective Credit	COM 252 Intro to Interpersonal Communication	Elective Credit
POL 101 American Government	Elective Credit	Science Credit TBA	Physical Science Credit
HUM 121 Peace Studies	Elective Credit	ECO 101 Contemporary Economic Issues	Elective Credit
STA 210 Intro to Statistical Reasoning	4th Math Credit	BAS 120 Personal Finance	Elective Credit-Work Ready

**\*Classes may differ depending on the individuals high school graduation requirements needed\***

If interested in the Scott County Middle College Program, there is a separate application that needs to be completed, in addition to the BCTC application. The application will be released by SCHS. There will be a Dual Credit Night offered in the month of February to learn more!



The Kentucky General Assembly allocated funding for dual credit scholarships to be spent through a program to be administered by the Kentucky Higher Education Assistance Authority (KHEAA).

- Juniors and seniors attending Kentucky public high schools can earn FREE credit.
- Dual credit courses are courses for which high school students earn both high school credit and college credit simultaneously
- Eligible dual credit courses include general education courses and CTE courses in a state-approved pathway leading to an industry recognized certificate.
- Students may take courses at SCHS (if offered), ECS, or on a college campus at a participating postsecondary institution. (If off-campus, the school counselor must be notified).
- Students can earn up to 6 credit hours across a student's high school career FREE.
- The fee to take additional dual credit courses at participating post-secondary institutions was \$72 per credit hour for the 2020-2021 school year.
- According to the Education Commission of the States research, dual credit

participation is associated with increased college retention and completion rates and decreases the time and cost in completing a postsecondary credential.



The Kentucky General Assembly allocated funding for Work Ready KY dual credit scholarships to be spent through a program to be administered by the Kentucky Higher Education Assistance Authority (KHEAA).

- 9th – 12th graders attending Kentucky public high schools can earn FREE credit.
- Kentucky high school students enrolled in an approved career and technical dual credit course at an eligible institution.
- Approved dual credit courses are limited to Career and Technical Education coursework that is in a career pathway approved by the Kentucky Department of Education as leading to an industry-recognized credential.
- Students may take courses at SCHS (if offered), ECS, or on a college campus at a participating postsecondary institution. (If off-campus, the school counselor needs to be notified).
- Students can take two approved Career and Technical Education courses per year for FREE.
- The fee to take additional CTE dual credit courses at participating post-secondary institutions was \$72 per credit hour for the 2020-2021 school year.
- Students must designate their Work Ready Scholarship through their KHEAA account. The school counselor will assist with this process.



The following colleges/universities have been approved by the Scott County Board of Education for students to take dual credit courses and they currently participate in the Dual Credit Scholarship Program.



\*Georgetown College is **not** a participating institution in the Dual Credit Scholarship program, but students have the opportunity to take dual credit classes through Georgetown at a discounted tuition rate of \$400/class. Apply at [gogc.me/apply](http://gogc.me/apply).

**If interested in taking any dual credit class, students must apply to the institution of their choice as a dual credit student and work with their college enrollment counselor to enroll in courses. Students must notify their school counselor and provide their college class schedule, so they can adjust their SCHS schedule and assist with the Dual Credit and/or Work Ready Scholarship process.**

\*If a student is taking a dual credit course at SCHS or ECS, then the enrollment/application process will be handled by the high school counselor/teacher.