Dear Cooper Students:

This Course Guide has been developed in order to assist you in developing your program of studies for the next school year. Used properly, this booklet can assist you in which courses to take to meet graduation requirements, college admissions, occupational objectives, and/or vocational interests.

In planning your educational program, you and your parents should closely review all aspects of this booklet and arrive at a decision that best fits your abilities, interests, and needs. In order to encourage educational growth, students should select a curriculum that is both rigorous and relevant. Education is a cooperative responsibility of all concerned, and the staff at Randall K. Cooper High School is prepared to counsel and advise you during this process.

Since our course selection and staffing needs are based on student requests, it is extremely important that this process be given appropriate time, effort, and planning on the part of each student and his/her family. **No schedule changes in core content courses will be permitted unless necessary to meet graduation requirements once students turn in their request sheets. Your selections are a commitment to specific courses; our expectation is that these commitments be honored.**

I encourage you to challenge yourself, strengthen your abilities, and take advantage of the opportunities offered at Randall K. Cooper High School. Take chances, try new things, and push yourself to reach new levels. These experiences, along with good study habits and active participation in class, will allow you to identify interests, develop plans and attain skills. In turn, this growth will pave a road to success and build a foundation for a life of learning.

**Join me in making the 2015-2016 school year the best ever!**

Sincerely,

D. Michael Wilson

D. Michael Wilson

Principal
BOONE COUNTY BOARD OF EDUCATION NON-DISCRIMINATION POLICY STATEMENT

Students, their parents, and employees of the Boone County School system are hereby notified that this school district does not discriminate on the basis of race, color, national origin, age, religion, marital status, sex, or disability in employment programs, vocational programs, or activities as set forth in compliance with the Office of Civil Rights, Title VI, Title VII, Title IX, ADA and Section 504.

Any person having inquiries concerning Boone County Schools compliance with the Office of Civil Rights Law, Title VI, Title VII, Title IX, ADA and Section 504 is directed to contact Kathleen G. Reutman, Boone County Schools, 8330 U.S. 42, Florence, KY, Telephone (859)283-

CREDIT TRANSFER

• Credits transferring from a non-accredited school will be reflected as pass or fail on the student’s transcript and will not be used in the computation of class rank and grade point average. Transferring students may be required to demonstrate proficiency in course material before credit is applied toward graduation requirements.

• Credit transferring from an accredited school will be reflected on the student’s transcript. In calculating class rank, grade point average, graduation requirements, and grade placement, transfer credits cannot exceed the number of possible credits earned at the receiving school per year. The credits used in the calculation of class rank and grade point average must first satisfy graduation requirements. Electives will be determined by selecting the highest grade earned.

• The grading scale used to calculate GPA and class rank for transfer students is the Boone County District scale *See GPA calculation chart.

• Seniors of Cooper High School taking more than six courses may count only six courses towards the computation of class rank and GPA. Of the six courses, all required classes will be included plus electives with the highest scores.

• If only alpha grades (letter grades) are received; numeric value based upon the grading scale of Cooper High School will be assigned.

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The Principal of Cooper High School has the final authority regarding transfer of credit.

INDIVIDUAL LEARNING PLAN

Middle and high school students in Kentucky schools have an online education planning tool at their fingertips. The Individual Learning Plan (ILP) will help secondary students (grades 6-12) better focus their coursework on individual goals as they prepare for postsecondary studies and careers. The website is www.careercruising.com/ilp.

Our plan is for the web-enabled ILP to offer more opportunities for teachers, advisors, students and parents to help the students make their secondary educational experience the best it can be. Research shows that teachers can become better connected with student interests and can provide more individual attention or advice to students as needed when there is a process in place to give students individual attention. The ILP will be invaluable to high schools, middle schools and districts as they plan course offerings and staffing to meet the academic and career interests of students.

GPA Calculation Chart

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<thead>
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<th>Index</th>
<th>Academic</th>
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CAREER AND TECHNICAL PLANNING

Career Assessments utilized in the Individual Learning Plan.

EPAS-Educational Planning and Assessment System was developed in response to the need for all students to be prepared for high school and the transitions they make after graduation. The EPAS system provides a longitudinal, systematic approach to educational and career planning, assessment, instructional support, and evaluation. The system focuses on the integrated, higher-order thinking skills students develop in grades K-12 that are important for success both during and after high school.

EXPLORE – is an assessment administered in the eighth grade. Scores will be utilized for course selection in high school. This assessment allows students to match their job interest with 16 occupational groups, then match their interests with specific job requirements. Students then research job titles for educational planning and develop a high school education plan. This test predicts the PLAN score.

PLAN – is a career planner providing students with the opportunity to make a self-assessment of their interests and work skills. This assessment is administered in the tenth grade, during the fall as part of the state mandated assessment. This is a pre-test for the ACT and will predict ACT score. Some teachers use this to reinforce career exploration units during classroom instruction.

ACT – is a very important college admission exam. Subject tests are in English Math, Reading and Science. This assessment is administered to all eleventh graders in March as part of state assessment. ALL JUNIORS are highly encouraged to take the December ACT. Registration is done online at www.actstudent.org. The score on this exam not only determines admission, but also scholarship eligibility. It is recommended that college bound students take the ACT three times for optimal performance. **Special note: Students eligible for free/reduced lunch are eligible for two ACT fee waivers during high school to take the ACT for FREE.

PSAT – the pre SAT is given each October on the national test date. This test may qualify students for the National Merit Scholarship and commendation as well as qualifying for the Governor’s Scholar Program. This is an optional test and has a fee of around $18.00. It is recommended for college-bound students as practice for freshmen and sophomores and the qualifying score junior year.

ASVAB – the Armed Services Vocational Aptitude Battery is a career exploration instrument offered by the Department of Defense to over one million high school students yearly by contacting any local recruiting office. The ASVAB is offered to any upperclassmen each year. All students will follow-up their results with The Holland Self-Directed Search (SDS) which will serve as an individual guide to educational and vocational career planning.

KOSSA – Kentucky Occupational Skills Standards Assessments are used as a measure of technical skill attainment for federal Perkins accountability. KOSSA is now included as a component of Kentucky’s Unbridled Learning assessment and accountability system. KOSSA includes foundational academic, employability, and occupational specific skills as identified by business and industry.

DUAL CREDIT
There are several ways students can earn both high school credit and college credit while in high school. Cooper High collaborates with each of the post-secondary institutions (NKU, Thomas More, and Gateway). See more detailed information under “Ways to Earn College Credit at Cooper High School”.

JEFFERSON COUNTY E-SCHOOL
Jefferson County E School provides opportunities for students to meet their educational needs through online work. A variety of required and elective credits are available to assist students in eliminating deficiencies on high school transcripts, (to remediate failed courses or to complete electives needed for graduation) Guidance Counselor approval is required prior to registration. Students must have their own Internet Service Provider and pay $125 for ½ credit courses and $175 for full-credit courses. The maximum completion time for each course is one year. For seniors all course work must be completed by April 1st.

Schedule Changes
There will be no schedule changes for core-content courses granted once a student has submitted their course requests.

We build the master schedule and teacher assignments based on student requests. Schedule changes will be granted for required courses for graduation with priority given to seniors.

COOPER AP COURSES: SPECIAL NOTE
Advanced Placement courses offer students the opportunity to do college-level work while still in high school. Advanced Placement courses are developed by College Board. These rigorous courses are equivalent to college courses and college credit may be earned depending on the score on the AP exam and which college the student will be attending.

Students should expect to do homework regularly and have additional reading and writing compared to a non-AP course.

Students are strongly encouraged to take the corresponding AP exam in May. Students who take the AP exam will be exempt from the spring semester final for the course. Students not taking the exam will take an AP equivalent comprehensive final exam for the course and the score will be reflected on the permanent record.

Students who are eligible for free or reduced lunch may not need to pay for the exams. Please check with the Guidance Office. AP exam scores range from 1 to 5. Generally, colleges start awarding college credit for a score of 3. Check with individual colleges to verify the score they accept and hours awarded. Due to the difficulty level of the course, scores are indexed by 1.08 of the average.

Students who are academically prepared and willing to work hard are encouraged to take AP courses. In addition to the challenges provided and the potential to earn college credits through an AP course, students may experience long-range financial benefits. Please refer to the AP Savings Charts located at the end of each academic department for examples of potential savings.
NCAA ELIGIBILITY
*Information subject to change. Check the website listed for the most current up-to-date information.

Student-athletes who plan to participate in college athletics their freshman year must register with the NCAA Initial Eligibility Clearinghouse in the fall of their senior year. To register, go to www.ncaa.org, complete the required information, print the two transcript release authorizations, and take them to the school counselor. A copy of the transcript, along with the first release will be sent to the Clearinghouse. After reviewing your transcript, a final certification decision will be made according to the NCAA standards listed below.

CORE UNITS REQUIRED FOR NCAA CERTIFICATION

<table>
<thead>
<tr>
<th></th>
<th>Division I</th>
<th>Division 2</th>
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<tbody>
<tr>
<td>English Core</td>
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<td>3 years</td>
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<tr>
<td>Math Core</td>
<td>3 years</td>
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<tr>
<td>Science Core</td>
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<tr>
<td>S. S. Core</td>
<td>2 years</td>
<td>2 years</td>
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</tbody>
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Additionally:

From English, Math or Science

1 year

TOTAL CORE UNITS REQUIRED

16

14

Important Note: Division I requires three years of Math, beginning with Algebra I or higher.

In addition to the 16 core courses, students must meet the guidelines on a sliding scale combining a range of core-courses GPA's with corresponding ACT or SAT test results.

The following index applies to students enrolling as a college freshman and who wish to participate in Division I.

In addition, students must have a GPA of 2.3 in the 16 core-courses and must achieve a 68 (sum of scores on the four subtests) on the ACT or 820 on the SAT.

Division II

There is no sliding scale. The minimum core grade-point average is 2.000. The minimum SAT score is 820 and the minimum ACT sum score is 68.

NAIA ELIGIBILITY REQUIREMENTS FOR FIRST-TIME COLLEGE FRESHMEN
*Information subject to change.

Every incoming freshman must meet two of the following three entry-level requirements in order to be eligible for intercollegiate competition:

1) A score of 18 on the ACT or a combined 860 on the SAT: and
   Or:
2) An overall high school grade point average of 2.0 on a 4.0 scale: and
   Or
3) Graduation in the top half of the student’s high school graduating class.

NOTE: Effective August 1, 1994, eligibility for practice and competition in the freshman year of college will be certified by an initial-eligibility clearinghouse.

Website: http://naia.org
MINIMUM HIGH SCHOOL REQUIREMENTS

May not meet pre-college curriculum

English 4 credits
One English course must be taken each year while at Cooper High School.

Mathematics 4 credits
Algebra I, Geometry and Algebra II are required.
One math course must be taken each year while at Cooper High School.

Science 3 credits
Integrated Science, Biology, Chemistry or Physics

Social Studies 3 credits
Intro. To Social Studies, World Civilization & US History

2016 Graduates and beyond need 1 CTE credit

Arts & Humanities 1 Credit
Health ½ credit
Phys. Ed. ½ credit
Electives 5 credits

TOTAL=MINIMUM OF 22 CREDITS

Pre-College Curriculum

By successfully completing the Minimum High School Requirements all students at Cooper High School meet Pre-College Curriculum with the addition of 2 credits in the same World Language. The Pre-College Curriculum is required for students planning to attend a 4-year post-secondary institution.

Students meeting minimum requirements or precollege curriculum will earn a regular Cooper High School Diploma. RCHS students may also choose to earn one of the following:

Kentucky Scholars DIPLOMA

English I, II, III, IV 4 credits
One English course must be taken each year while at Cooper High School.

Mathematics 4 credits
Algebra I, Geometry, Algebra II, and Pre-Calculus are required.
One math course must be taken each year while at Cooper High School.

Science 3 credits
Biology, Chemistry and Physics are required.

Social Studies 3 credits
Intro. To Social Studies, US History or AP US History, and World Civ., or AP World History required.

Foreign Language 2 credits
2 credits in same language

Arts & Humanities 1 credit
Health ½ credit
Phys. Ed. ½ credit
Electives 4 credits

AP Scholars DIPLOMA

To earn the AP Scholars Diploma students must meet the Pre-College Curriculum plus:

• Have a minimum cumulative GPA of 2.75
• Earn at least 5 AP credits of any variety or earn 4 AP credits and one dual enrollment credit

Advanced Placement Magna Cum Laude DIPLOMA

To earn the Advanced Placement Magna Cum Laude Diploma students must meet the Pre-College Curriculum plus:

• Have a minimum cumulative GPA of 3.5
• Earn at least 8 AP credits of any variety or earn 7 AP credits and one dual enrollment credit.

Other Graduation Requirements for ALL students:

• A senior exit interview is a requirement which will be a Service-Learning project. The interview will consist of both written and presentation skill evaluated by a panel.
• Students in all graduation classes must complete eight semesters of coursework, based on a six-hour instructional day.
• An Individual Learning Plan (ILP) must be completed each year.
• Students will not be allowed to accelerate English classes. An English class must be obtained each year. A completed writing portfolio is a requirement of English 4.
• Students must take at least one math course per year.
• All students must complete 20 hours of community service.

Credits Needed for Promotion (Class of 2015, 2016 and 2017)

Senior - 16 credits
Junior - 10 credits
Sophomore - 5 credits

The grade level the students enter on the 1st day of school is the grade level for that student for the year.

Credits Needed for Promotion (Class of 2018)

Senior - 16 credits
Junior - 11 credits
Sophomore - 5 credits

The grade level the students enter on the 1st day of school is the grade level for that student for the year.
Required English Courses:

**English I**
Course #230107
Grade Level: 9
Credit: 1
Prerequisite: None

This course will focus on research-based reading and writing strategies. *Students will read nonfiction and fiction* to enhance fluency, vocabulary and comprehension. The course will also involve reading analysis and application to real world experiences. Students will also write to learn, write to demonstrate learning, and write for authentic purposes and audiences. Students’ vocabulary, grammar, and writing skills will be developed.

This course requires an End of Course assessment. This assessment is a state standardized test.

**English I Honors (Honors Weighted)**
Course # 230108
Grade Level: 9
Credit: 1
Prerequisite: A or B+ in 8th grade Language Arts recommended

This course continues to develop effective reading strategies through the use of the analysis of reading, using research-proven reading strategies. This course will cover material of English I, but in more depth, using essential reading skills as a foundation. Students will also write to learn, write to demonstrate learning, and write for authentic purposes and audiences. Students’ vocabulary, grammar, and writing skills will be developed.

This course requires an End of Course assessment. This assessment is a state standardized test.

**English II**
Course # 230110
Grade Level: 10
Credit: 1
Prerequisite: Eng. I

This required course will involve reading, listening and interpreting culturally diverse literary selections (poetry, novel, short stories, drama, and nonfiction) through focused readers’ responses. Students will also analyze literary and informational selections and write for authentic audiences. Students will evaluate and apply good writing skills in terms of purpose, content, organization and style through peer and individual reflective responses. Students’ vocabulary, grammar, and writing skills will continue to be developed.

This course requires students to complete an End of Course assessment, which counts for 20% of the student’s final grade. This assessment is a state standardized test.

**English II Honors (Honors Weighted)**
Course # 230111
Grade Level: 10
Credit: 1
Prerequisite: English I with 87% or higher recommended

This course continues to develop skills of reading, listening and interpreting culturally diverse literary selections but at a much faster rate with more in-depth focus on analyzing, composing and reflection. This course will also serve as an introduction to AP Language and Composition with an emphasis on rhetoric. Students’ vocabulary, grammar, and writing skills will continue to be developed.

This course requires students to complete an End of Course assessment which counts for 20% of the student’s final grade. This assessment is a state standardized test.
English III
Course # 230113
Grade Level: 11
Credit: 1
Prerequisite: Eng. II

Literature from a variety of genres will be studied. Students’ vocabulary, grammar, and writing skills will continue to be developed. The emphasis will be upon effective writing in a variety of modes and increasing competency in reading, analyzing, and interpreting different genres of literature. Students will work to improve career and college readiness skills.

English III Honors (Honors Weighted)
Course # 230114
Grade Level: 11
Credit: 1
Prerequisite: English II with 87% or higher recommended

This course will cover the topics in English III but in more depth and at a faster pace. This class will incorporate both reading and writing with a variety of genres.

AP English III Language and Composition (AP Weighted)
Course # 230166
Grade Level: 11
Credit: 1
Prerequisite: Plan score of 16 or higher in English and Reading, A/B+ in previous English course, honors preferred

This one year course engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and in becoming skilled writers who write for a variety of purposes. Students should expect this course to be similar to an introductory college writing course that focuses on expository writing, analytical writing, personal writing, persuasive and reflective writing. Students are strongly encouraged to take the AP test in May, for which they may earn college credit.

English IV
Course # 230116
Grade Level: 12
Credit: 1
Prerequisite: Eng. III

This required course will continue the development of writing skills needed for students to perform well in twenty-first century literacy skills. Vocabulary, grammar, and writing skills will be reinforced. Reading materials will be used as a basis for writing assignments including literature from a variety of genres. A research/multimedia project will be required.

English IV Honors (Honors Weighted)
Course # 230117
Grade Level: 12
Credit: 1
Prerequisite: Eng. III with 87% or higher recommended

This course will cover the topics in English IV but in more depth and at a faster pace. This class will incorporate both reading and writing within a variety of genres.

AP English IV Literature and Composition (AP Weighted)
Course # 230167
Grade Level: 12
Credit: 1
Prerequisite: ACT score of 19 or higher in English and Reading, A/B+ in previous English course, honors or AP preferred.

This year-long AP course in English Literature and Composition engages students in the careful reading and critical analysis of literature. The use of material from various genres will necessitate a variety of writing and speaking activities that should enhance students’ awareness of the resources of language. Students enrolled in this course must assume considerable responsibility for the amount of reading and writing required. Students are strongly encouraged to take the AP test in May, for which they may earn college credit.

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
**English Electives:**

### English Grammar, Usage, and Mechanics
- **Course #** 230194
- **Grade Level:** 10-12
- **Credit:** .5
- **Prerequisite:** Recommended PLAN benchmark of 15 in English or 18 on ACT

Grammar, usage, and mechanics will focus on reinforcing writing fundamentals at the high school level, including sentence structure, punctuation, capitalization, subject-verb agreement, paragraph structure, self-editing, and proofreading. The course teaches the basic building blocks of writing as well as the more advanced grammar, usage, and mechanical topics tested by ACT and SAT.

### Film Studies
- **Course #** 230125
- **Grade Level:** 9-12
- **Credit:** ½ (Arts and Humanities)
- **Prerequisite:** None

This course provides the students with the theoretical instruments that will enable them to analyze a wide array of films. Through readings, lectures and discussions, students will learn about the language of film. Five feature films (viewed by the students outside of class time), each one brilliantly illustrating a specific aspect of film narrative and style, will be closely studied in class. Technical aspects of film production will also be discussed.

### Mythology
- **Course #** 230140
- **Grade Level:** 9-12
- **Credit:** ½
- **Prerequisite:** None

This course is designed to acquaint students with a body of material that cultured people of the Western world have been familiar for millennia. Through readings and exposure to other works of art and cultural products, students will come to know some of the world’s most influential mythology in more thorough and meaningful ways.

### Creative Writing
- **Course #** 230599
- **Grade Level:** 9-12
- **Credit:** ½
- **Prerequisite:** None

This course provides an opportunity for students to discover and perfect their creative communication skills. Students learn to develop voice, tone, focus, form, and meaning in different writing styles. Students will learn peer conferencing skills and creative revision techniques.

### Yearbook Production I (by application only)
- **Course #** 239141
- **Grade Level:** 9-12
- **Credit:** 1
- **Prerequisite:** Yearbook advisor recommendation as part of the application process.

**Parts A and B**  
New staff members will learn the basics of publishing a yearbook that include: developing a theme, learning layout design, writing headlines, captions and body copy, successfully selling ads, and photographing and cropping digital pictures. Each student will finish four double page spreads by the end of the year.

### Yearbook Production II (by application only)
- **Course #** 239142
- **Grade Level:** 10-12
- **Credit:** 1
- **Prerequisite:** Yearbook I

**Parts A and B**  
Staff members will continue to enhance their journalistic, graphic, and photographic skills. Those wishing to assume leadership positions in their senior year will begin to learn those jobs in the third trimester. After school ends, the staff will finish the remaining few spreads. Students at this level may elect to join the advisor at yearbook camp for three days during the summer vacation.

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*Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.*
Yearbook Production III (by application only)
Course # 239143
Grade Level: 11-12
Credit: 1
Prerequisite: Yearbook II

Parts A and B
This course for veteran yearbook staff members is designed for those who want to become the editor-in-chief, the photo manager, the business manager, or one of the section editors. In one of these positions the student will not only continue to perform skills and tasks learned in Yearbook I and II, he/she will also assist the yearbook advisor in supervising the staff and critiquing the work in order to complete the yearbook. After school ends, these students will finish the remaining few spreads the week or two following graduation.

Journalism (by application only)
Course # 239111
Grade Level: 9-12
Credit: 1 (Arts and Humanities)
Prerequisite: Plan scores, English 15 and Reading 17, A or B+ in Previous English class plus teacher recommendation

As a member of the Journalism class, students will participate in the regular production of school periodicals. They will demonstrate an understanding of Journalism basics including story development, interviewing, copy writing, editing and photography. These skills will result in the publication of a regular online newspaper that will report the happenings in Cooper’s halls. Students will assume leadership positions as they become the voice of the student body.

Speech and Drama
Course #231010
Grade Level: 9-12
Credit: ½ (Arts and Humanities)
Prerequisite: None

Speech and Drama is designed to develop effective verbal and nonverbal communication skills. This course provides the experience needed to build self-confidence when speaking before an audience. Students will learn how to prepare and deliver short talks and more formal speeches. This course exposes students to the history and structure of drama, the fundamentals of acting, improvisation, character development, scene study, and technical theatre.

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
Cooper High School STEM Academy Course Framework for Class of 2018

The purpose of the College Preparatory Engineering Academy (CPEA) is to offer our students who have exceeded college readiness standards in mathematics, science, and reading a high school curriculum rich with AP and dual credit mathematics and science courses that will both challenge and prepare them for a post-secondary engineering education. For a student to be considered for special recognition at graduation for participating in the CPEA they must meet the following requirements:

- Successfully meet all graduation requirements set upon students by Cooper High School
- Complete the following courses:
  - Algebra 2 Honors
  - Geometry Honors
  - Advanced Pre-Calculus
  - AP Calculus BC
  - Calculus III
  - Linear Algebra
  - Chemistry Honors
  - AP Chemistry
  - AP Biology
  - AP Physics 1
  - AP Physics C (or 2)
  - AP Calculus BC
  - AP Physics 2 (or C)

- Hold an unweighted cumulative average of at least 92 (B+ average) in the above listed classes.
  - Students will be placed on academic probation after the first quarter of the school year if their cumulative GPA in their mathematics and science courses is below the following numbers:
    - Freshman Year: 87 (B Average)
    - Sophomore Year: 89 (B Average)
    - Junior Year: 89 (B Average)
    - Senior Year: 92 (B+ Average)
  - Students will have until the end of second quarter to raise their average to the above number to get off academic probation. Failure to do so will result in the student being removed from the academy.

Below is a basic framework for a CPEA student’s four year graduation plan. Please note that this is just a basic framework. **Students who wish to take four years of band, choir, or a foreign language can do so**, but in most cases at least one summer course must be taken. Because of this it is of utmost importance for all CPEA students to create their own personal four year plan upon entering the academy to make sure all graduation requirements are met.

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<tr>
<th>9th Grade</th>
<th>10th Grade</th>
<th>11th Grade</th>
<th>12th Grade</th>
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<tr>
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<td>Calculus III/Linear Algebra</td>
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<td>Advanced Pre-Calculus</td>
<td>AP Calculus BC</td>
<td>AP Physics 2 (or C)</td>
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<td>Chemistry Honors</td>
<td>AP Chemistry</td>
<td>AP Biology</td>
<td>Foreign Language</td>
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<td>Intro to Social Studies/ AP Human Geography</td>
<td>AP Physics C (or 1)</td>
<td>Foreign Language</td>
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With “open periods” students must make sure they meet all graduation and prerequisite requirements. These include the following:

1. 1 CTE Credit - May be taken during summer
2. .5 PE Credit - May be taken during summer
3. .5 Health Credit - May be taken online
4. 1 Fine Arts Credit - May be taken online/fourth year Foreign Language Course

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
Required Math Courses:

**Algebra I Extended**
Course # 9
Grade Level: 9
Credit: 2
Prerequisite: None

Test results such as the EXPLORE and Scantron scores will be considered to determine placement in this course. Students should NOT sign up for this course. Students will be recommended for this course; they will be placed into it.

This course is designed only for students who did not earn an Algebra I credit prior to high school.

This course is designed to develop the basic algebra skills with a focus on the various numbers and their operations, and solving equations as well as inequalities. This course prepares the student to solve real world problems and applications using various techniques. The course covers the same curriculum as Algebra 1 and guides the student to success by moving at a pace more conducive to the student’s needs. Students will spend one period building basic mathematics skills using an online program that targets specific student deficiencies. Students are progress monitored bi-weekly.

This course requires an End of Course assessment. This assessment is a state standardized test.

**Algebra I**
Course # 270304
Grade Level: 9
Credit: 1
Prerequisite: None

This course is designed to develop the basic algebra skills with a focus on the various numbers and their operations, and solving equations as well as inequalities. The first semester prepares the student to solve real world problems and applications using various techniques. Second semester’s topics include graphing equations of lines using slopes, exponents and polynomial. Using a graphing calculator will be introduced.

This course requires an End of Course assessment. This assessment is a state standardized test.

**Algebra II**
Course # 270311
Grade Level: 9-12
Credit: 1
Prerequisite or co-require: Geometry

Algebra II introduces the student to more complex concepts from algebra. This class introduces the students to the advanced algebraic concepts as they apply to real world circumstances as well as future math related courses with a special focus on rational expressions, polynomials, exponential, logarithmic and quadratic functions, mathematical patterns and probability. This course covers content from the ACT, and is necessary to keep from taking remedial math in college.

This course requires students to complete an End of Course assessment which counts for 20% of the student’s final grade. This assessment is a state standardized test.

**Algebra II Honors (Honors Weighted)**
Course # 270312
Grade Level: 9-11
Credit: 1
Prerequisite: Alg. I with A or B, freshmen wishing to double up in mathematics must score at least 19 on the mathematics section of the EXPLORE.

Algebra II introduces the student to more complex concepts from algebra. This class introduces the students to the advanced algebraic concepts as they apply to real world circumstances as well as future math related courses with a special focus on rational expressions, polynomials, exponential, logarithmic and quadratic functions, mathematical patterns and probability. This course covers content from the ACT, and is necessary to keep from taking remedial math in college.

This course requires students to complete an End of Course assessment which counts for 20% of the student’s final grade. This assessment is a state standardized test.

As an honors class, topics will be covered with the understanding the pace is faster and more in depth with additional math topics.

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
Geometry
Course # 270401
Grade Level: 9-12
Credit: 1
Prerequisite: Algebra 1

Emphasis is placed on discovery, proof, and application of geometric principles and relationships. Topics include points, lines, planes, angles, triangles, transformation, congruency, and parallel lines. The second semester of the course focuses on similar polygons, proof, quadrilaterals and other polygons, right triangle trigonometry, circles, volume, applications of geometric principles, relationships and formulas.

This course requires an End of Course assessment. This assessment is a state standardized test.

Geometry Honors (Honors Weighted)
Course # 270402
Grade Level: 9-11
Credit: 1
Prerequisite: Algebra I with A or B; Students scoring at or above a 17 on EXPLORE math and earning an A or B in Algebra 1 should consider signing up for this course. Freshmen wishing to double up in mathematics must score at least 19 on the mathematics section of the EXPLORE test.

Emphasis is placed on discovery, proof, and application of geometric principles and relationships. Topics include points, lines, planes, angles, triangles, transformation, congruency, and parallel lines. This course also focuses on similar polygons, proof, quadrilaterals and other polygons, right triangle trigonometry, circles, volume, applications of geometric principles, relationships and formulas.

As an honors class, topics will be covered with the understanding the pace is faster and more in depth with also additional math topics and a more in depth study of logic and proof.

This course requires and End of Course assessment. This assessment is a state standardized test.

Additional Math Courses:

Transitions Math
Course #270309
Grade Level: 12
Credit: 1
Prerequisite: Only Senior students below benchmark (19 in math) on the ACT

This course will help students meet benchmark in math by completing a college placement test (KYOTE or COMPASS) for math. This test ensures that students can enroll in a college credit-bearing mathematics course in the state of Kentucky. This class will also increase the likelihood for successful completion in college math classes. Students will review Algebra I, Algebra II and Geometry topics.

Advanced Topics in Math Honors (Honors Weighted)
Course # 270622
Grade Level: 10-12
Credit: 1
Prerequisite: Algebra I, Geometry & Alg. II

This course is recommended for the college bound student who will not take Calculus.

This course does NOT meet NCAA eligibility requirements

This course covers the KYOTE College Algebra Placement Standards to help ensure that students are college ready in mathematics and can enroll in a credit bearing mathematics course when they enter college.

This course includes further exploration of advanced Algebra skills including: functions, polynomials and rational, exponential, and logarithmic functions. The course focuses on linear, quadratic, and polynomial relationships and emphasizes their symbolic, numerical and graphical representation. This course includes further exploration of trigonometry, systems of equations, matrices and determinants, sequences and series and other topics as time permits. The course reviews some basic Geometry and statistics skills. A TI-84 graphing calculator is suggested for this course.

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
Pre-Calculus Honors (Honors Weighted)
Course # 270502
Grade Level: 10-12
Credit: 1
Prerequisite: Honors Geometry and Honors Algebra 2 with an A or B or Geometry and Algebra II with an A or Advanced Topics in Math with an A

This course covers trigonometric functions, identities, addition formulas, inverse trig functions, and trigonometric equations. The second semester focuses on functions and graphs, linear equations, exponential, logarithmic, and rational functions as well as other pre-calculus topics. These may be relationships and functions, conic sections, probability, and word problems. Introduction and use of graphing calculators will be included in this course. This course will also include an emphasis on ACT items for college readiness.

NOTE: In order to be proficient in trigonometry students must be proficient in ALL GEOMETRIC CONCEPTS: congruence, similarity, formulas for plane and solid figures, ratios and proportions, properties of the quadrilaterals, right triangle theorems, as well as the special right triangle ratios, and triangle relationships.
A TI-84 or higher graphing calculator is recommended for this course.

Accelerated Pre-Calculus Honors (Honors weighted)
Course # 270503
Grade Level 10-11
Credit: 1
Prerequisite: Algebra 2 Honors with and A AND Geometry Honors with an A AND Admittance to College Preparatory Engineering Academy or Teacher Permission

This course is designed for students who plan on taking AP Calculus BC. This course covers trigonometric functions, identities, addition formulas, inverse trig functions and trigonometric equations. The second semester focuses on functions and graphs, linear equations, exponential, logarithmic, and rational functions as well as polar functions, parametrically defined functions, and other pre-calculus topics. These may be relationships and functions, conic sections, probability, and word problems. Introduction and use of graphing calculators will be included in this course. This course will also include an emphasis on ACT items for college readiness.
A TI-84 or higher graphing calculator is recommended for this course.

AP Statistics (AP Weighted)
Course # 270604
Grade Level: 11-12
Credit: 1
Prerequisite: Algebra I, Geometry, Algebra II

The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students will study four broad themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students who successfully complete the course and exam may receive credit for a one-semester introductory college statistics course.

Research indicates students earning 21 or higher average on the PLAN test in Math and Science have a 50% change of earning a 3 or higher on the AP exam.

Probability and Statistics Honors (Honors Weighted)
Course # 270603
Grade Level: 12
Credit: 1
Prerequisite: Algebra I, Geometry and Algebra II

This course is recommended for the college bound student who will not take Calculus. Students who have not met college readiness will need to complete extra course work to prepare them for that benchmark.

Content items include measures of central tendency; graphs and their interpretations; measures of variability; normal curve distributions; charts and graphs; range and standard deviation; probability of simple events; sampling techniques; hypothesis testing; other review of math basics in preparation for the ACT/SAT. This course may not be a substitution for required core courses.

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
**Introduction to Engineering Design Honors** (Honors weighted)

Course # 219901
Grade Level: 9-11 (9th and 10th graders will be considered first for this course)
Credit: 1
Prerequisite: ACT Benchmark in Math - 19, Science - 21, Explore: Math - 17, Science - 18

This course is designed for the student interested in an engineering related field of study. The major focus of this course is to expose students to the design process, research and analysis, teamwork, various communication methods and applying math & science. Through hands-on projects, students learn about applying engineering standards and technical documentation. They work both individually and in teams to design solutions to a variety of problems using industry standard 3D modeling software. Students communicate solutions to peers and members of the professional community.

**ELECTIVE MATH CREDIT**: Students may use this course as a math elective for their year only if they have met Benchmark (19 or greater on the ACT or 18 or greater on the PLAN). No other grade may take this course as their only math credit.

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**Math for Business and Industry**

Course # 270641
Grade Level: 10-12
Credit: 1
Prerequisites: Algebra I, Algebra II, and Geometry

This course is designed as an interdisciplinary course that would be offered through the business strand of the career/technical education program. This course employs high school mathematics content with business emphasis. The first semester of the course will focus on preparing students for career and college readiness. The second semester of this course enables the student to apply skills in solving mathematical problems of consumers. Concepts of whole numbers, fractions, decimals and percent are applied through study and problem solving in the following areas: investment, wages, commissions, buying/renting a home, taxes, travel, banking, personal care and insurance. **This course will be mostly project based.**

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**AP Calculus AB [AP Weighted]**

Course # 270513
Grade Level: 11-12
Credit: 1
Prerequisite: Pre-Calculus

This course is intended for the student who has a thorough knowledge of college preparatory mathematics including: Algebra, axiomatic geometry, trigonometry, and analytic geometry. Topics include functions, limits, derivatives, integrals, and applications of derivatives and integrals. A student enrolled in AP Calculus AB cannot take AP Calculus BC at the same time.

Research indicates students earning 21 or higher average on the PLAN test in Math and Science have a 50% change of earning a 3 or higher on the AP exam.

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**AP Calculus BC [AP Weighted]**

Course # 270514
Grade Level: 11-12
Credit: 1
Prerequisite: Pre-Calculus

This course is intended for students who plan to major in math, a physical science, or engineering in college and have excelled in their previous math courses. No student should take both AB and BC at the same time. Topics include all those listed under AP Calculus AB as well as integration by parts, L'Hopital's Rule, sequences and series, and polar and parametric coordinates.

Research indicates students earning 21 or higher average on the PLAN test in Math and Science have a 50% change of earning a 3 or higher on the AP exam.

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**College Career and Readiness Math**

Course #270718
Grade Level: 11
Credit: 1
Prerequisite: Algebra 1, Algebra 2 and Geometry

This course is designed for Juniors who have not yet met the Career and College Readiness Benchmark in Mathematics (Mathematics PLAN score – Below 18 or Mathematics ACT score – below 19.) Students enrolled in this course will study ACT’s Career and College Readiness Standards with the goal of reaching benchmark by the time they complete their junior year.

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**Attention Students**: Check Cooper’s website for summer assignments required in some classes. **Schedule changes will not be made.**
**Java Programming I**  
Course # 110205  
Grade Level: 10-12  
Credit: 1  
Prerequisite: Completed or enrolled in Algebra II

This course introduces students to the automated processing of information. Students learn the basics to designing, constructing, and debugging complete computer programs, similar to those programs on any computer or technology device. Students will study data collection and storage, variable extraction and manipulation, conditional statements, and loops to design fully functioning programs.

**ELECTIVE MATH CREDIT:** Students may use this course as a math elective for their SENIOR year only if they have met Benchmark (19 or greater on the ACT or 18 or greater on the PLAN). No other grade may take this course as their only math credit.

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**Java Programming 2 Honors** (Honors Weighted)  
Course # 110206  
Grade Level: 12  
Credit: 1  
Prerequisite: AP Computer Science A

This course is a continuation of computer programming. This course is to be taken after AP Computer Science A. Students in this course will be working in greater detail with graphical user interfaces, inheritance, encapsulation, and other object-oriented programming techniques. Students in this course will work toward the Sun Certified Java Programmer certification.

**ELECTIVE MATH CREDIT:** Students may use this course as a math elective for their SENIOR year only if they have met Benchmark (19 or greater on the ACT or 18 or greater on the PLAN). No other grade may take this course as their only math credit.

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**AP Computer Science A** (AP Weighted)  
Course #110701  
Grade Level: 11-12  
Credit: 1  
Prerequisite: JAVA Programming 1 OR completed Algebra II with 87% or higher AND received teacher approval

This course emphasizes object-oriented programming methodology with a concentration on problem solving and algorithm development. It is meant to be the equivalent of a first-semester college-level course in Computer Science. It also includes the study of data structures, design, and abstraction. This course follows the curriculum established by the College Board and prepares students to take the Advance Placement examination in the AP Computer Science A.

**ELECTIVE MATH CREDIT:** Students may use this course as a math elective for their SENIOR year only if they have met Benchmark (19 or greater on the ACT or 18 or greater on the PLAN). No other grade may take this course as their only math credit.

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*Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.*
**Cooper High School AP Credit Hours and Savings Opportunities**

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<th>AP Class</th>
<th>Score</th>
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**Attention Students:** Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
Required Science Courses:

**Integrated Science**
Course # 303091
Grade Level: 9
Credit: 1
Prerequisite: None
Fee: $15.00

Students will develop a conceptual understanding of physical science, work on mastering the use of S.I. units, dimensional analysis, study and test-taking skills, and become proficient with building and analyzing charts, tables, and various types of graphs. The scientific inquiry approach utilized requires students to apply critical thinking skills. Topics that may be covered include, but are not limited to: ecology, geology, astronomy, meteorology, physics, and chemistry.

**Biology I**
Course # 302601
Grade Level: 9-10
Credit: 1
Prerequisite: Integrated Science
Fee: $15.00

This course covers the primary aspects of the discipline, including cells and their functions; introductory biochemistry; genetics; animals, plants, and the relationships among organisms; ecology; and evolution. In addition it explores the foundations and practices of science in general, teaches the basic processes of scientific inquiry, and emphasizes the importance of mathematics and measurement. Students will apply statistical methods to collect and analyze sets of data to determine trends and relationships among them. Students will be required to read and carry out other research while learning the language of scientific study. Students are required to write and speak formally and prepare well-written, organized, and complete lab reports. Written and verbal communication skills as well as organizational skills are stressed.

A brief summer assignment may be required. Please check the school website after June 5th for a description of this assignment.

This course requires students to complete an End of Course assessment which counts for 20% of the student’s final grade. This assessment is a state standardized test.

**Biology I Honors (Honors Weighted)**
Course # 302603
Grade Level: primarily 9th
Credit: 1
Prerequisite: A or B+ in 8th grade Science recommended and A or B+ in Algebra I
Fee: $15.00

This rigorous course is designed to address the same concepts as the regular biology course with a greater depth of knowledge and it covers the primary aspects of the discipline, including cells and their functions; introductory biochemistry; genetics; animals, plants, and the relationships among organisms; ecology; and evolution. In addition it explores the foundations and practices of science in general, teaches the basic processes of scientific inquiry, and emphasizes the importance of mathematics and measurement. Students will apply statistical methods to collect and analyze sets of data to determine trends and relationships among them. Students will be required to read and carry out other research while learning the language of scientific study. Students are required to write and speak formally and prepare well-written, organized, and complete lab reports. Written and verbal communication skills as well as organizational skills are stressed.

A brief summer assignment may be required. Please check the school website after June 5th for a description of this assignment.

This course requires students to complete an End of Course assessment which counts for 20% of the student’s final grade. This assessment is a state standardized test.

Research indicates students earning an 18 or higher on the 8th grade EXPLORE test have a solid foundation in scientific concepts and should enter the science honors program beginning with Honors Biology. The course is designed for students who plan to complete the science honors sequence and prepare for advanced placement science as well as a post-secondary education. A minimum of 20 minutes a night should be devoted to study and course work. This course recommended if student plans to take AP Biology.

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**Attention Students:** Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
**Chemistry**
Course # 304521  
Grade Level: 10-11  
Credit: 1  
Prerequisite: Biology  
Fee: $15.00

This course is designed to familiarize students with the science processes, skills, and understandings related to a wide range of topics in chemistry. In this course, students will gain knowledge of the periodic table, chemical bonding and chemical reactions as well as the composition of matter and the chemical changes it undergoes. Additional topics may include concepts such as conservation of energy and increase in disorder, and interactions of energy and matter as well as ecology, geology, astronomy, meteorology, and nuclear physics. Scientific inquiry approaches require students to apply critical-thinking skills. Emphasized areas of skill development will include: laboratory, quantitative, communication and independent thinking. Strong mathematical skills are required. This course will prepare students for the End of Course Assessment in Chemistry.

This course requires an End of Course assessment. This assessment is a state standardized test.

**Chemistry Honors [Honors Weighted]**
Course # 304527  
Grade Level: 10-11  
Credit: 1  
Prerequisite: 87% or higher in Honors Biology recommended.  
Prerequisite/Co requisite: Alg. II with 87% or higher recommended.  
Fee: $15.00

This course is designed to familiarize students with the science processes, skills, and understandings related to a wide range of topics in chemistry. In this course, students will gain knowledge of the periodic table, chemical bonding and chemical reactions as well as the composition of matter and the chemical changes it undergoes. Additional topics may include concepts such as conservation of energy and increase in disorder, and interactions of energy and matter as well as ecology, geology, astronomy, meteorology, and nuclear physics. Scientific inquiry approaches require students to apply critical-thinking skills. Emphasized areas of skill development will include: laboratory, quantitative, communication and independent thinking. Strong mathematical skills are required. This course recommended if student plans to take AP Chemistry or if they plan on pursuing science in college.

This course requires an End of Course assessment. This assessment is a state standardized test.

The course is designed for students who plan to complete the science honors sequence and prepare for advanced placement science as well as a post-secondary education. A minimum of 20 minutes a night should be devoted to study and course work. This course is recommended for students planning to take AP Chemistry.

**Science Electives:**

**Advanced Topics in Science Honors [Honors Weighted]**
Course # 302649  
Grade Level: 10-12  
Credit: 1  
Prerequisite: 87% or higher in Honors Biology and 87% or higher in Honors Chemistry recommended.  
Fee: $15.00

This science course is for the honors level student. An assortment of topics determined by the instructor will be presented and may include, but not limited to, binomial nomenclature, field identification of species, botany, ornithology, ecology and environmental issues. Field work is emphasized in this course and may involve learning in an outdoor setting with exposure to the local flora and fauna. An emphasis will be placed on applying these subjects to the real world and analyzing data in graphs and charts in preparation for the ACT. In addition this class explores the foundations and practices of science in general, teaches the basic processes of scientific inquiry, and emphasizes the importance of mathematics and measurement. Students will apply statistical and observational methods to identify, collect and analyze sets of data or collections of specimens to determine trends and relationships among them. Students will be required to read and carry out other research while learning the language of scientific study. Students are required to write and speak formally and prepare well-written, organized, and complete lab reports. Written and verbal communication skills as well as organizational skills are stressed.

A minimum of 20 minutes a night should be devoted to study and course work.

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Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
**AP Physics 1 (AP Weighted)**
Course # 304829  
Grade Level: 9-12  
Credit: 1  
Prerequisite: 87% in Geometry and currently taking or have completed Algebra II. No prior coursework in physics is necessary. A minimum EXPLORE score of 21 or PLAN score of 23 recommended  
Fee: $15

This course is the equivalent to a first-semester college course in algebra-based physics. Hands-on explorations of physics content and inquiry labs will be emphasized. The course covers Newtonian mechanics (inertia, linear and projectile motion, forces, acceleration, angular momentum, and rotational dynamics), momentum, energy, work, power, mechanical waves, sounds, and electric circuits. Students must have a firm grasp of algebra to succeed. This course will require ½ hour of independent study each night and is designed to prepare students for the AP exam in May.

**AP Physics C Mechanics (AP weighted)**
Course #304825  
Grade Level: 10-12  
Credit: 1  
Co-requisite: Calculus AB or BC. Very high performing math and science students may be allowed to enroll in this course concurrently with trigonometry with approval form AP Physics C mechanics instructor.

This course is the equivalent to a first-semester college course in calculus-based physics. Engineers, physicists, and other physical science majors require calculus-based physics to obtain college credit. Students will learn about kinematics, Newton’s laws of motion, work, energy, power, momentum, circular motion, rotation, oscillations, and gravitation. Approximately 20% of time will be spent doing lab activities. Students must have a firm grasp of mathematical concepts to succeed. Calculus concepts will be reviewed or learned as needed. This course will require ½ hour of independent study each night and is designed to prepare students for the AP exam in May.

**AP Biology (AP Weighted)**
Course # 302646  
Grade Level: 11-12  
Credit: 1.5  
Prerequisite: 87% or higher in Honors Biology and 87% or higher in Honors Chemistry recommended  
An average mathematics and Science PLAN score of 23 or higher recommended.  
Fee: $15.00

The AP Program in Biology is a one year college level course that examines the molecular/cellular aspects of biology as well as the organism and population levels. Through intensive study, labs, and coursework, students will analyze data, propose hypotheses, apply concepts, acquire and integrate new knowledge to their science base, and cross discipline boundaries to infuse biology into every aspect of their lives. Students will develop critical thinking and reading skills, and will develop writing skills appropriate for college level classes. **Students signing up for this course should expect a rigorous workload, homework over long breaks, and summer work that will be collected the first day of class.** Students will need to be able to devote at least one hour of independent study per school night. This class is designed to prepare students for the AP exam given in May in which students could earn possible college credit.

Due to this class being 1.5 credits, additional time will be required beyond the school day. This will vary year to year, but could require students to come to school early, stay late, OR stay in class during their lunch and/or JAM time.

Research indicates students earning a 23 or higher average on the PLAN test in Math and Science have a 50% chance of earning a 3 or higher on the AP exam.

**AP Chemistry (AP Weighted)**
Course # 304526  
Grade Level: 10-12  
Credit: 1.5  
Prerequisite: 87% or higher in Honors Chemistry  
An average mathematics and Science PLAN score of 23 or higher recommended.  
Fee: $15.00

The AP Program in Chemistry is a one year college level course that will encompass a broad range of topics such as atomic theory and structure, chemical bonding, gases, liquids, and solids, solutions, various types of reactions, stoichiometry, equilibrium, kinetics, and thermodynamics. This course will also include laboratory activities as a major part of the course. Students signing up for this course should expect a rigorous workload, and **summer work that will be collected the first day of class.** The summer assignment will take approximately 8 hours to complete and will require a computer with internet access. Students will need to devote at least one hour of independent study per school night. This class is designed to prepare students for the AP exam given in May in which students could earn possible college credit.

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**Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.**
Due to this class being 1.5 credits, additional time will be required within the school day. This will involve the use of student JAM time or the use of some of lunch period.

Research indicates students earning a 23 or higher average on the PLAN test in Math and Science have a 50% chance of earning a 3 or higher on the AP exam.

**Anatomy/Physiology Honors (Honors Weighted)**
Course # 302632
Grade Level: 11-12
Credit: 1
Prerequisite: 87% or higher in Honors Biology and Honors Chemistry recommended.
Fee: $15.00

This is an introductory course in human anatomy and physiology stresses the fundamental principles of the body systems. It is a fast paced course that covers the entire human body. An extensive study of the human systems through dissections is required. This course is geared toward students who are interested in healthcare careers, including nursing.

**Earth/Space**
Course # 304611
Grade Level: 11-12
Credit: 1
Prerequisite: Biology and Chemistry
Fee: $15

This course is a hands-on exploration of Earth/Space topics that meet a graduation requirement (in addition to the biology and chemistry that are required) and focuses on: Earth chemistry, minerals, rocks, rock record, plate tectonics, deformation of crust, volcanoes, earthquakes, weathering and erosion, river systems, groundwater, glaciers, erosion, oceans, meteorology, planets, asteroids, comets, meteors, sun, stars, galaxies, and the universe. Students will use evidence to evaluate and analyze theories related to many of the components of the universe, including those listed above. Students will be able to apply concepts to real-world situations through inquiry and student-centered labs.

**Forensic Science I**
Course # 302616
Grade Level: 11-12
Credit: ½
Prerequisite: Integrated Science I, Biology,
Prerequisite or Co requisite: Chemistry
Fee: $15.00

This elective science course will introduce you to the application of science to the criminal and civil laws that are enforced by police agencies in a criminal justice system. 85% of the class will be based on labs with lab write-ups and researching various aspects of forensics. 15% of class will be based on lecture and notes. This course is intended to be interactive and experimental. You will be using experimental evidence, assessing crime scenes, and solving “crimes” using inquiry based learning. In this course you will untangle the evidence and solve the crime using inquiry based investigations. Careers including Blood Pattern Analyst, Medical Examiner, and Forensic entomologist, coroner, and surgeon autopsies will be investigated. The decomposition of an animal will be studied first-hand in this section. Due to the high volume of lab work, written and verbal communication skills as well as organizational skills are stressed.

**Forensic Science II**
Course # 302617
Grade Level: 11-12
Credit: ½
Prerequisite: Integrated Science I, Biology
Prerequisite or Co requisite: Chemistry (FORENSIC SCIENCE I IS NOT REQUIRED TO TAKE THIS COURSE)
Fee: $15.00

This elective course will continue to expose you to the application of science to the criminal and civil laws that are enforced by police agencies in a criminal justice system. Labs are the primary focus of this course including an autopsy of a victim pig will be performed in this section. It is intended to be experimental and interactive. You will be using experimental evidence, assessing crime scenes, and solving “crimes” using inquiry based learning. **This can be taken without taking Forensics I.**

Due to the high volume of lab work, written and verbal communication skills as well as organizational skills are stressed. Several projects will be required, including an autopsy of a pig by student groups.
**Science Lab Assistant**

Course # 304903  
Grade Level: 11-12  
Credit: ½  
Prerequisite: Teacher signature and all science requirements completed. Students must complete an application prior to registration.  
Fee: None  

The purpose of the Lab Assistant Program is to extend the capabilities and resources of the teachers, to maintain an orderly inventory of supplies, to maintain the readiness of equipment and materials; and in so doing, provide the student with experience and knowledge of the necessary supportive activities of the science teaching program and provide a sense of self-worth and accomplishment through successful service to other people.

*Attention Students: Check Cooper's website for summer assignments required in some classes. Schedule changes will not be made.*
## Cooper High School AP Credit Hours and Savings Opportunities

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**Attention Students:** Check Cooper's website for summer assignments required in some classes. Schedule changes will not be made.
### Required History Classes:

**AP Human Geography** *(AP Weighted)*

- **Course #**: 450712
- **Credit**: 1
- **Grade Level**: 9
- **Prerequisite**: Teacher Recommendation/Explore Score of 15 or higher in Reading
- **Recommended**: A/B+ in Social Studies and English

AP Human Geography is a one year college level course that will allow students to develop critical thinking skills through the understanding, application and analysis of the fundamental concepts of Geography. In AP Human Geography students are introduced to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth’s surface. Students will also study the political and economic institutions in the major countries of the world. Students will prepare for the AP examination in May which will give them the opportunity to earn college credit.

**Introduction to Social Studies**

- **Course #**: 459801
- **Credit**: 1
- **Grade level**: 9
- **Prerequisite**: none

This class helps students relate distant places and culture to their own lives. Each unit addresses physical geography, human geography, economics and government. Major issues of today are addressed as students study specific regions of the world.

*Students may take AP Human Geography in place of Introduction to Social Studies.*

**AP European History** *(AP Weighted)*

- **Course #**: 450844
- **Grade Level**: 10, 12
- **Credit**: 1
- **Prerequisite**: A/B+ in Introduction to Social Studies or in AP Human Geography. Students must have Honor’s English and an Explorer Reading Score of 15 or higher.

AP European History is a one year college level course that examines varied political, intellectual, religious and socio economic themes. The course of study is designed to familiarize students with the inter-relationships of these themes from the Renaissance to the present day. Students will develop critical thinking, reading and writing skills appropriate for college level classes. This class is designed to prepare students for the AP exam taken in May from which college credit may be earned.

**World Civilization**

- **Course #**: 450835
- **Grade Level**: 10
- **Credit**: 1
- **Prerequisite**: Introduction to Social Studies or AP Human Geography.

This course will focus on European History from 1500 to the Cold War. This class will help students develop note taking and critical reading skills, and will show them how to analyze primary source documents.

**AP US History** *(AP Weighted)*

- **Course #**: 450814
- **Grade Level**: 11-12
- **Credit**: 1
- **Prerequisite**: A/B+ average in World Civilization, or A/ B in AP European History /Plan score of 17 or higher in reading
- **Recommendation**: A/B+ in Honors English

The AP Program in U.S. History is a college level course designed to provide students with the analytical skills, factual knowledge and writing ability necessary to deal critically with the problems and materials presented in this course. Students will study political institutions, social and cultural developments, diplomacy and economic trends. Students will receive extensive instruction in analysis and interpretation of a wide variety of primary sources. The AP United States History exam in May is comprehensive, covering all material from colonial times to the present. Students may earn college credit.

This course requires students to complete an End of Course assessment which counts for 20% of the student’s final grade. This is a state standardized test.

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*Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.*
U.S. History
Course # 450809
Grade Level: 11
Credit: 1
Prerequisite: World Civ. or AP European History

United States History will emphasize the history of the U.S. from the colonies to the present day. This course will analyze topics such as the United States’ role as a world power, investigation of the industrial revolution, and cultural advances of the U.S.

This course requires students to complete and End of Course assessment which counts for 20% of the student’s final grade. This is a state standardized test.

History Electives:

American Pop Culture
Course # 450885
Grade Level: 9-12
Credit: ½
Prerequisite: None

This course examines American culture by the decade, from the 1940’s to the 1990’s, through some of its most popular cultural forms - film, music, magazines, television, and sports. This class will make history come alive as students explore the pop culture that defines each decade.

America’s Modern Wars
Course # 450886
Grade Level: 10-12
Credit: ½
Prerequisite: Intro. to Social Studies or AP Human Geography

This course will study America’s involvement in conflicts beginning with the aftermath of World War II, and will cover the Korean War, Vietnam, through the Persian Gulf War and the War on Terror. In studying the conflicts, emphasis will be placed on foreign policy, military strategy, and the history behind these wars. This class will use group discussions and projects, personal research, and film to cover this material. Students will leave the class having a better understanding of how and why conflicts have shaped America’s history.

Introduction to Criminal Law
Course # 451040
Grade Level: 10-12
Credit: ½
Prerequisite: None

This comprehensive course is a study of criminal and constitutional law. Students will first examine the need for rules and regulations, interpretations of the Constitution, Supreme Court decisions, and criminal law. Students will apply concepts by conducting a mock trial. Students will argue and present a real case – from investigation through sentencing. Students will work with local attorneys and present their case in front of an actual judge and jury.

AP Psychology [AP Weighted]
Course # 459902
Grade Level: 11-12
Credit: 1
Prerequisite: A/B in Biology or last Science course/Honors English/Plan score of 17 or higher in Reading

The purpose of this college level course is to introduce students to a more in-depth systematic and scientific study of the behavior and mental processes of human beings. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major sub fields within psychology. Students also learn about the methods psychologists use in their science and practice. The aim of the A.P. course is to provide the student with a learning experience equivalent to that obtained in most college introductory courses, and to prepare them for the AP test given in May from which students may earn college level credit.

Psychology I
Course # 459901
Grade Level: 11-12
Credit: ½
Prerequisite: None

This course introduces Psychology as the study of human behavior and mental processes. The topics addressed include the following: psychology’s philosophical origins, the workings of the mind and body, human development, state of consciousness, sensation and perception. These topics will be explored through personal surveys and questionnaires, videos, class demonstrations and more. Students will gain a basic understanding of psychology for future study and/or personal interest.

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
Psychology II
Course # 459906
Grade level: 11-12
Credit: ½
Prerequisite: None, but recommend Psychology I

This course is a continuation of Psychology I and designed for student involvement. The topics addressed include the following: learning and the cognitive process, thinking and language, motivation and emotions. This course also focuses on defining Abnormal Behavior and its basic issues in order to introduce psychological disorders. Students will gain an understanding of anxiety disorders, mood disorders, personality disorders and more. This course is also designed to help students confront teenage issues such as suicide, acquaintance rape, and eating and substance related disorders. As a result, students will gain a better sense of themselves.

Sociology
Course # 451121
Grade Level: 11-12
Credit: ½
Prerequisite: None

This course is a student-driven social science class that focuses on the study of the interaction of groups in society. The students will select topics such as: social norms, group development and interaction, sports activities and groups, and crime and punishment. Students will gain a better understanding about the “hows and whys” of the society in which they live in.

AP US Government & Politics (AP Weighted)
Course #451030
Grade Level: 12
Credit: 1
Prerequisite: US History

This course is an intensive study of the formal and informal structures of the government and the processes of the American political systems, with an emphasis on policy-making and implementation. This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U. S. government and politics. Students will become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes in government and politics. The concepts and specific topics examined in this course are those that may appear on the AP exam. Students may earn college credit.

The following course is a college credit bearing course. Students can earn 3 college credit hours in addition to high school credit. Prerequisites established by NKU and acceptance into the program (through an application process) are required. Tuition for each 3 credit hour course is equivalent to the one credit hour price established by NKU each May.

REL 200 World Religions and Cultures (AP Weighted)
Course #000111
Grade Level: 11-12
Credit: ½
Prerequisite: Established by NKU

This course is to introduce students to one or more of the following religions: Indigenous Sacred Ways, Hinduism, Jainism, Sikhism, Buddhism, Confucianism, Taoism, Shintoism, Islam, Judaism, and Christianity. The historical development of the religions studies, the major beliefs and the interactions within and between cultures will be considered.
# Cooper High School AP Credit Hours and Savings Opportunities

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|--------------------------------|-------|--------|--------|-------|--------|--------|-------|--------|--------|-------|--------|--------|-------|--------|--------|-------|--------|--------|-------|--------|--------|-------|--------|--------|-------|--------|--------|
| AP U.S. History                | 3-5   | 6      | 114, 115 | 3-5   | 6      | 202, 220 | 4-5   | 4      | 1164    | 3-5   | 3-6    | 102, 103 | 3-5   | 3-6    | elective |
| AP U.S. Gov't.                 | 3-5   | 3      | 205    | 3-5   | 3      | 141    | 4-5   | 4      | 1014    | 3-5   | 3      | 100    | 3-5   | 3      | 110    |
| AP Euro. History               | 3-5   | 6      | 203, 204 | 3-5   | 3      | 201    | 4-5   | 4      | 1024    | 3-5   | 3-6    | 100, 101 | 3-5   | 3-6    | elective |
| AP Human Geography             | 3-5   | 3      | elective | 3-5   | 3      | 100    | 4-5   | 4      | 1044    | 3-5   | 3      | 100    | 3-5   | 3      | 216    |
| AP Psychology                  | 3-5   | 3      | 105    | 3-5   | 3      | 154    | 4-5   | 4      | 1004    | 3-5   | 3      | 100    | 3-5   | 3      | 100    |
| Cost Per Credit Hour           |       | $590   |        |       | $320   |         |       | $750   |         |       | $337   |         |       | $363   |         |
| AP Savings                     |       | $12,390 |        |       | $5,760 |         |       | $15,000 |         |       | $7,077 |         |       | $7,623 |         |
| Credit Hrs. Earned             |       | 21     |        |       | 18     |         |       | 20     |        |       | 21     |         |       | 21     |         |

*Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.*
Fine Arts Requirement

The courses in the Fine Arts Department provide the student with a variety of elective and required courses. These courses instruct in the areas of visual arts, instrumental and vocal music, foreign languages, dance and drama. Each student at Cooper will be required to complete an arts course for high school graduation. Components of Arts and Humanities will be embedded in world language, including Spanish, French and German, as well as World Civilization and PE 1. In addition to embedded components, students must earn a credit through one of the options below.

Each student at Cooper High School must earn one credit with a visual or performing arts component or a historical review of the arts. Several choices will allow students the freedom to pursue an area of particular interest in the arts and to also tailor their high school schedule to meet their overall needs.

Each student must complete one of the following in order to fulfill the Arts and Humanities graduation requirement.

A full-credit or combination of ½ credits, in one of the fine arts areas:

- **Music:** Band – Full Year, Choir – Full Year, History of Rock and Roll
- **Art:** Art I, Graphic Arts, Art 3, AP Art, Photography, Ceramics, Art Appreciation, Studio Art
- **Drama:** Speech and Drama
- **Humanities:** Film Studies, Journalism, 3rd and/or 4th year of World Language, World Religion
- **Dance:** Foundations of Dance

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Art

**Fine Arts Appreciation**
Course # 500111  
Grade Level: 9-12  
Credit: 1  
Prerequisite: None

This course meets the History and Appreciation of Visual and Performing Arts requirement for graduation from high school. It is the study of the humanities through the arts (dance, drama, music, and visual art). Also, it addresses the structures, humanities, purposes, creative processes and interrelationships of the visual and performing arts.

**Visual Arts I**
Course # 500711  
Grade Level: 9-12  
Credit: ½ (Arts and Humanities)  
Prerequisite: Approved art portfolio or teacher approval  
Fee: $15.00

This course provides studies in both two-dimensional (design, painting, printmaking) and three-dimensional (ceramics, sculpture) artistic media. Students will study basic art concepts, such as the elements and principles of design, compositional theories, color theory, perspective drawing, and proportion. Students will engage in art history, aesthetic, and art analysis activities.

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Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
**AP Art Studio Portfolio (AP Weighted)**
Course # 500716
Grade Level: 11-12
Credit: 1
Prerequisite: Grade of B or better in another Visual Arts course and/or Instructor approved art portfolio. Co Requisite: Studio Art-1507
Fee: $15.00 & Student-Provided Portfolio cost

This course is an advanced level course and is designed for highly motivated students who are seriously interested in the study of art at the college level. A high level of effort is expected and students will need to work diligently both inside and outside of the classroom. The course is based on suggested Advanced Placement guidelines from the National College Board Association. Emphasis is placed on direct observation, application of design elements and principles, and the development of a body of work that is based on student choice. The focus of the course is to build a portfolio of work which demonstrates breadth, concentration, and quality. This portfolio will be submitted in May to the College Board for review and assessment. AP credit will be awarded once the AP Portfolio has been submitted to the College Board. Students who successfully complete the requirements can request credit from the college or university they will attend.

**Visual Arts III Honors (Honors Weighted)**
Course # 500749
Grade Level: 10-12
Credit: 1
Prerequisite: Prior art class (es) and permission of instructor
Fee: $15.00

This course will provide the foundation for taking AP Studio Art. Students will develop a high-quality portfolio based on the AP Studio Art requirements of Breadth, Concentration, and Quality. Students may select to work on the 2-D Portfolio (graphic and digital art), Drawing Portfolio (fine art), or 3-D Portfolio (sculptural).

**Photography**
Course # 500611
Grade: 9-12
Credit: ½ (Arts and Humanities)
Prerequisite: Approved art portfolio or teacher approval
Fee: $15.00

Students will learn fundamental photographic skills including digital capture, manipulation, and output. For the processing and enhancement of digital photographs, students will learn the basics of Adobe Photoshop and Adobe Illustrator. These digital skills and tools for the making of photographs will be taught within the context of the aesthetics of photography. (Students must have their own digital cameras as a requirement for this course).

**Photography II**
Course #500620
Grade: 10-12
Credit: ½
Prerequisite: Photography I with final grade of A or B average and teacher approval
Fee: $15.00

With the guidance of the instructor, students will refine and extend skills and knowledge of photography with advanced topics, lessons and processes based on their prior experiences in the Photography I course. Apart from just capturing and manipulating images, advanced students will explore alternative image development techniques that differ from basic digital photography. Students will also learn the history and development of photographic technology while exploring its importance in the careers of journalism, advertising, commercial and fine art. Students will experiment with large format and studio photography as a part of this course. (Students must have their own digital camera as a requirement for this course).

**Ceramics/Pottery**
Course # 500212
Grade Level: 10-12
Credit: ½ (Arts and Humanities)
Prerequisite: One prior Visual Art class or Approved art portfolio
Fee: $15.00

Emphasis is upon students acquiring an understanding of the historical development of ceramics enabling them to identify outstanding ceramics of the past, basic ceramic art and ceramists from various countries; and several outstanding contemporary American ceramists. Other objectives are for students to master a working knowledge of clay preparation and handling, clay forming, decorating, glazing and firing. Students will learn and be able to adapt the essential building methods of pinch, coil, slab, and wheel throwing to create a range of projects in clay.

**Attention Students:** Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
Ceramics II
Course # 500216
Grade: 10-12
Credit: 1/2
Prerequisite: Art I or Portfolio and teacher recommendation
Fee: $15

In this advanced class students may choose a clay forming technique (pinch, coil, slab, or the wheel) to explore in-depth as they refine the skills and techniques introduced in Ceramics. Individual research of historical and contemporary ceramic art will inspire work. Advanced ceramics students will develop their portfolio in Breadth (variety of ceramic or other 3D media approaches) or Concentration (theme for a body of work) as part of this class. Portfolio development is applicable to the student’s future AP 3D Design Portfolio.

Sculpture I
Course #500713
Grade: 10-12
Credit: ½
Prerequisite: Art I or Portfolio and teacher recommendation
Fee: $15

This is a survey course for three-dimensional media. A variety of construction techniques and materials will be employed to explore “form”. Historical and contemporary three-dimensional art will be discussed to inspire student work. Materials used may include: wood, metal, plaster, plastics, paper products, fibers, and a variety of clays.

Drawing/Painting
Course # 500712
Grade Level: 9-12
Credit: ½
Prerequisite: One prior Visual Art class or Approved art portfolio
Fee: $15.00

Through the act of drawing we learn to see and interpret the world around us. This practical drawing course is designed to develop observational skills and a personal visual language to enable the analysis, interpretation and communication of visual ideas and experiences. The concepts that are covered in this course provide a foundation for drawing itself, and will also benefit other visual art disciplines. The course will cover a range of techniques and media and include still life, portraiture, landscape, architectural drawing, life drawing, and conceptual drawing. Media included are charcoal, pencil, ink, colored pencil, pastel, watercolor, and others. The primary goals are to learn to judge proportion and to depict those observations in drawings that demonstrate an understanding of depth, form and space. Verbal skills are developed through critique and class discussion.

Graphic Design
Course # 500720
Grade: 9-12
Credit: ½
Prerequisite: One prior Visual Art class or Approved art portfolio
Fee: $15.00

This course introduces students to graphic design as a form of visual communication through the use of type, image, form, and color. Focus will be upon the study of design, layout, and conceptual elements. A variety of 2-dimensional media will be addressed including printmaking, drawing, and computer design software. Projects will include posters, photography, advertisements, and logos. Software will include Adobe Photoshop and Illustrator.

Chorus
Men’s Choir
Course # 500963
Grade Level: 9-12
Credit: 1
Prerequisite: none

This course is designed for men in grades 9-12 who wish to participate in choir at Cooper. In a relaxed, no-stress environment, the men of Cooper will develop choral and vocal technique and music literacy through high quality choral repertoire from a variety of genres and gain experience in the thrill of performance. The Men’s Ensemble will participate in a number of performances throughout the year, both as a stand-alone group and coupled with the Advanced Women’s Ensemble. Grades will be based on daily rehearsal technique, theory lessons, quizzes, mandatory attendance at all performances and a final exam.

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
**Treble Choir**
Course # 500948  
Grade Level: 9-12  
Credit: 1  
Prerequisite: none

This is a beginning level choir intended as an introduction to choral singing at Cooper High School. Students will study music from a variety of time periods and cultures and will perform at least four concerts throughout the year. Students will develop vocal technique, sight reading, ensemble, and audiation skills that will prepare them to move into the upper level choirs. ALL ladies who are freshmen or have not auditioned should sign up for this introductory course.

**Women's Choir**
Course # 500951  
Grade Level: 9-12  
Credit: 1  
Prerequisite: audition

This Women's Choir is open to 10th-12th grade girls by audition. In this course students will develop vocal technique, music reading ability, and aural skills through the preparation and performance of a variety of music. This course is intended as the next step from the introductory level choir. Music theory, literature, history, appreciation, and vocal technique are taught at an intermediate level. Grades will be based on daily rehearsal technique, theory lessons, quizzes, mandatory attendance at all performances and a final exam.

**Chamber Choir**
Course # 500961  
Grade Level: 10-12  
Credit: 1  
Prerequisite: audition

This is an advanced, auditioned choir designed for 10th - 12th grade ladies who have been in the choral program for at least one year. Members will be chosen by audition for participation in this group. In this course students will develop vocal technique, audiation and music literacy at a more advanced level. Performance opportunities will be numerous and will occur as a stand-alone ensemble and coupled with the Men's Ensemble. Grades will be based on daily rehearsal technique, theory lessons, quizzes, mandatory attendance at all performances, and final exam.

**History of Rock-N-Roll**
Course # 500945  
Grade Level: 9-12  
Credit: ½ (Arts and Humanities)  
Prerequisite: None

This course explores the development of Rock-N-Roll from its Rhythm and Blues roots to its evolution throughout the second half of the 20th Century. Many styles of rock will be presented, discussed and analyzed. Students registering for this course must be open to performing these musical styles on instruments in the classroom as this will be an important component of the course.

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**Attention Students:** Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
Band

**Concert Band**
Course # 500984  
Grade Level: 9-12  
Credit: 1  
Prerequisite: Audition

This class involves music theory, music history, and the correlation of music to art. Students will perform on their instruments. Grades will be based on daily rehearsal technique, mandatory attendance at all performances, and periodic assessments including a final exam. Students must have the recommendation of their Middle School Director or may be admitted by audition only with the High School Band Director.

**Wind Ensemble II Honors**
Course # 500977  
Grade Level: 10-12  
Credit: 1  
Prerequisite: Audition

This rigorous course involves music theory, music history, and the correlation of music to art. Students will perform on their instruments at a more advanced level. Grades will be based on daily rehearsal technique, mandatory attendance at all performances, and periodic assessments including a final exam. This ensemble is by audition only.

**Percussion Ensemble**
Course # 500982  
Grade: 9-12  
Credit: 1  
Prerequisite: Audition

This course will offer students the opportunity to develop their skills in all areas of percussion including rudimental drumming, pitched and non-pitched concert percussion, and ethnic instruments. The students will perform various types of percussion ensemble literature as well as perform with the Concert Band and Wind Ensemble. Practice outside of the classroom is essential in order to be successful. Students must have the recommendation of their Middle School Director or may be admitted by audition only with the High School Band Director.

**AP Music Theory (AP Weighted)**
Course # 500929  
Grade Level: 11-12  
Credit: 1  
Prerequisite: At least one year in a performing ensemble at Cooper OR course instructor recommendation.

AP Music Theory is an advanced level course designed to engage students in learning activities that will help them to achieve the outcomes assessed by the College Board’s Advanced Placement Music Theory Examination. The AP Music Theory course is designed to develop a student’s ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. These abilities will be developed through various listening, performance, written, creative, and analytical exercises. Although this course focuses on music of the Common Practice Period (1600-1900), materials and processes found in other styles and genres are also studied.

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
All students who plan to attend a four year college are required to take at least **two credits of the same world language** to meet the precollege curriculum. Before enrolling in a world language class, students must have earned a B average or higher in English or achieve Junior status. This will assure the average English student of more confidence and greater success in world language study.

**World Languages**

**French I**
Course # 160408  
Grade Level: 9-12  
Credit: 1  
Prerequisite: B average in English or junior status.

The beginning course of French integrates the five national standards of the American Council of the Teaching of Foreign Languages (ACTFL) in communication, cultures, connections, comparisons, and communities to encourage the students to actively participate in simulated real-life situations. The goal of this course is to inspire the student to use the skills he/she acquires to participate in real communication in France and Francophone countries.

**French II**
Course # 160409  
Grade Level: 10-12  
Credit: 1  
Prerequisite: French 1

This is a continuation of the French 1 course. The content will shift from basic language patterns to more complex grammatical structures. The five ACTFL national standards (communication, cultures, connections, comparisons and communities) will be advanced in this course as well.

**French III Honors (Honors Weighted)**
Course # 160414  
Grade Level: 11-12  
Credit: 1  
Prerequisite: B average in French 2

This course is an extension of the French 2 course and taps into the prior knowledge gained in French 2. This course focuses on communication in the target language through the three modes of communication: Interpretive, Interpersonal and Presentational. Students will gain a better understanding of the culture, history and geography of France and Francophone countries.

**AP French Language (AP Weighted)**
Course # 160430  
Grade level: 11-12  
Credit: 1  
Prerequisite: French 3 and Teacher recommendation

The AP French Language and Culture course is a college-level course designed to promote proficiency in French and to enable students to explore culture in contemporary and historical contexts. The course **focuses on communication** through the three modes of communication: Interpretive, Interpersonal and Presentational.

**Attention Students:** Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
German

German I
Course # 160508
Grade Level: 9-12
Credit: 1
Prerequisite: B average in English or junior status.

The beginning course of German integrates the four language skills in reading, writing, listening, and speaking with the German culture to encourage the student to actively participate in simulated real-life situations. The goal of this course is to inspire the student to use the skills he/she acquires to participate in real communication from the outset. Recommendation from previous language arts teacher is required.

German II
Course # 160509
Grade Level: 10-12
Credit: 1
Prerequisite: German I

This is a continuation of the German I course. The content will shift from basic language patterns to complex structures. The five essential skills (vocabulary, speaking, listening, writing, and reading) for any language will be advanced in this course as well.

German III Honors (Honors Weighted)
Course # 160514
Grade Level: 11-12
Credit: 1
Prerequisite: B average or higher in German 2

This course is an extension of the German 2 course and taps into the prior knowledge gained in German 2. There is an emphasis on reading and discussion in the context of the language. Students will gain a better understanding of the culture, history and geography of Germany.

AP German Language (AP Weighted)
Course # 160530
Grade Level: 11-12
Credit: 1
Prerequisite: German 3 and teacher recommendation

The focus of this year long, college level course is to enable the student to develop his or her communicative ability in German. The purpose of this course is to revise, expand, and synthesize in order that the student attains greater grammatical accuracy. It requires active, involved participation in real communication with the instructor and fellow students. A strong desire to communicate combined with knowledge of the basic skills is needed to guarantee success in this challenging course. This course will cover the grammar portion that is required for AP German.

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
**Spanish**

**Exploratory Spanish**  
Course # 161126  
Grade Level: 10  
Credit: 1  
Prerequisite: Students considered for this course will be identified in 9th grade year.

This class will prepare students to fulfill their world language requirement while remediating to assist them in meeting benchmark. Students will spend the first year learning Spanish and English grammar and Spanish vocabulary. This will then prepare them to take (and be successful in) Spanish 1 and Spanish 2. This class will count as a general elective but will not count towards the fulfillment of the World Languages requirement.

**Spanish I**  
Course # 161108  
Grade Level: 9-12  
Credit: 1  
Prerequisite: B average in English or junior status

The beginning course of Spanish integrates the five goals of the national standards—communication, cultures, connections, comparisons and communities. Students will engage in interpersonal, interpretive and presentational activities within cultural contexts. Students will also create products to demonstrate essential knowledge and skills in Spanish.

**Spanish II**  
Course # 161109  
Grade Level: 9-12  
Credit: 1  
Prerequisite: Spanish 1

This course continues to challenge and motivate the foreign language learner with opportunities to learn more about Hispanic culture, and make connections to other subject areas. In addition, students will acquire a deeper understanding of the language and be able to better express one’s self in the target language. The emphasis will be on authentic written and oral proficiency.

**Spanish II Honors (Honors Weighted)**  
Course # 161114  
Grade Level: 9-12  
Credit: 1  
Prerequisite: 87% or higher in Spanish 1 and/or teacher recommendation

This course is similar to Spanish 2 but moves at a much faster pace with an emphasis on proficiency in speaking and listening. This course will be taught according to the Pre-AP curriculum and is recommended for students planning to continue their study of Spanish.

**Spanish III Honors (Honors Weighted)**  
Course # 161115  
Grade Level: 10-12  
Credit: 1  
Prerequisite: B average or higher in Spanish 2

This course is an extension of the Spanish 2 course at a much more in depth level. Advanced grammar and verb tenses are emphasized as well as Hispanic History and Culture. Heavy emphasis is placed on communication in the target language through the three modes of communication: Interpretive, Interpersonal and Presentational.

**Spanish IV Honors (Honors Weighted)**  
Course # 161116  
Grade Level: 11-12  
Credit: 1  
Prerequisite: Spanish III

This class will further develop students’ listening, reading, writing, and speaking skills and will prepare students to take Spanish in college. Significant emphasis will be place upon refining these skills in a culturally appropriate content.

*Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.*
The following 4 courses are college credit bearing courses. In each class students can earn 3 college credit hours in addition to high school credit. Prerequisites established by NKU, placement test and acceptance into the program (through an application process) is required. Tuition for each 3 credit hour course is equivalent to the one credit hour price established by NKU each May.

**NKU Spanish 101 (AP weighted)**
Course # 002153  
Grade Level: 11-12  
Credit: 1  
Prerequisite: Spanish II at RCHS and fulfillment of NKU DE requirements  
This class is a review and extension of basic language skills learned in Spanish 1 and 2 at Cooper. Emphasis will be placed on the development of skills in conversation, pronunciation, grammar, reading, and writing.

**NKU Spanish 102 (AP weighted)**
Course # 002154  
Grade Level: 11-12  
Credit: 1  
Prerequisite: Spanish 101; additional prerequisites established by NKU.  
This class is a continuation of basic language skills learned in Spanish 101. Additional emphasis will be placed on the development of skills in conversation, pronunciation, grammar, reading, and writing.

**NKU Spanish 201 (AP Weighted)**
Course #000109  
Grade Level: 11-12  
Credit: ½  
Prerequisite: Spanish III or Spanish 102; additional prerequisites established by NKU.  
This class is a review and extension of basic language skills learned in Spanish I, II and III at Cooper. Emphasis on reading and discussion of cultural, linguistic and literary subjects will be stressed.

**NKU Spanish 202 (AP Weighted)**
Course #000110  
Grade Level: 11-12  
Credit: ½  
Prerequisite: Spanish 201; additional prerequisites established by NKU.  
This is a continuation of grammar review and enhancement of language skills learned in Spanish 201. Additional emphasis will be placed on cultural and literary subjects.

**Attention Students:** Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
**Cooper High School AP Credit Hours and Savings Opportunities**

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<th>AP Class</th>
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**Attention Students:** Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
### Contemporary Health Issues
Course # 340135  
Grade Level: Primarily 9th  
Credit: ½  
Prerequisite: None

This course emphasizes the use of health values in decision making. The course content includes, but is not limited to alcoholism, drug abuse, personal hygiene, accident prevention, family living, sex education, environmental health, and nutrition, consumer health. This course will cover the state curriculum of practical living.

### Physical Education I
Course # 340216  
Grade Level: Primarily 9th  
Credit: ½  
Prerequisite: None

A variety of activities will be utilized in stressing the development of components of physical fitness. Basic skills, strategies, teamwork and general knowledge of team sports will also be included. Activities will include but not limited to weight training, speed ball, pickle ball, dance, basketball, soccer, and volleyball. Students will learn elements of dance and experience fundamental principles of movement.

### Physical Education II
Course # 340219  
Grade Level: 10-12  
Credit: ½  
Prerequisite: Physical Education I

This program is structured for students who are interested in the fundamentals of team and individual/dual sports. Physical fitness will be stressed through warm-up exercises, physical and written testing, and strength training (free weights). This is an advanced physical education class, so students should be knowledgeable in skills and concepts of PE I.

### Physical Education III
Course # 340220  
Grade Level: 10-12  
Credit: ½  
Prerequisite: Physical Education I

The emphasis is on the progression of skill level and knowledge of rules, terms, strategies of games, and participant sports. Instruction is given in organized competition in team, individual, and dual sports. Physical fitness work and physical and written testing are included.

### Physical Education IV
Course # 340230  
Grade Level: 10-12  
Credit: ½  
Prerequisite: Physical Education I

A continuum of skills, knowledge, competitiveness, and fitness learned in levels I, II and III. Physical and written tests are included.

### Strength/Conditioning
Course # 340217  
Grade Level: 10-12  
Credit: ½  
Prerequisite: Physical Education I

This course is designed for students who want to increase athleticism. Activities are designed to improve strength, cardiovascular endurance, and flexibility. Students should expect to work hard every day and be willing to push themselves to become their best. **Daily active participation is a requirement.** This is not a traditional physical education class in which sports and games are taught. Students will be weight training as well as participating in cardiovascular exercises. Class will also include learning basic physiology and energy systems training, as well as how to design individual programs.

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**Attention Students:** Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
Wellness
Course # 340136
Grade level: 10-12
Credit: ½
Prerequisite: Health

The first part of this course will provide students the opportunity to gain skills that may one day save a life. Students will be instructed using the American Red Cross curriculum for training in Adult, Child and Infant CPR, and First Aid. Successful completion of the course may result in an American Red Cross certification. The course will also cover making healthy decisions regarding lifestyle behaviors. Students will be presented with wellness information (multidimensional) that will help students prepare for co-op, job interviews, the workplace and the building of healthy lifelong relationships.

Dance Foundations
Course # 500316
Grade Level: 9-12
Credit: ½ (Arts and Humanities)

Dance Foundations is an introductory class that is designed to provide dance experiences that lead to knowledge and performance of fundamental principles of movement in folk, square dance, social dance, aerobic dance, ballet, jazz, creative movement, and choreography. Students will become literate in dance, rhythmically moving with proper body mechanics through space and time with focused and directed energy. The importance of maintaining a healthy lifestyle and physically fit body will be stressed throughout this course.

Aerobics
Course # 340215
Grade Level: 10-12
Credit: ½
Prerequisite: PE I

This course is designed to give students the opportunity to learn aerobic dance routines and training techniques used for achieving optimal physical fitness. Students will benefit from comprehensive strength training and cardio-respiratory endurance activities. Students will learn basic aerobic steps as well as simple and complex aerobic dance combinations. Course includes both lecture and activity sessions.

Attention Students: Check Cooper's website for summer assignments required in some classes. Schedule changes will not be made.
The Career and Technical Education Department is comprised of the following departments: business education/information technology, family and consumer science, and agricultural science. Beginning with the class of 2016, Randall K. Cooper High School graduates are required to have a minimum of one career and technical credit. Students will learn skills that will enable them to transition from high school to college AND from high school to the workplace.

**Agriculture**

Agriculture Education is designed to provide career exploration, orientation, and preparation for any student who has an interest in any aspect of agriculture, horticulture, or the environment. The program is open to all students regardless of background or prior experience in the field. The only requirement for enrollment is an interest in the subject area. Though it has changed dramatically, agriculture and its related industries still comprise over 22% of America’s workforce.

The National FFA Organization is the agriculture student organization offering all students the opportunity to develop leadership skills and self-confidence. Students in FFA are required to be enrolled in an agriculture class or program of study. FFA offers its members the chance to participate in competitions on the local, regional, state, and national levels, many field trips, leadership camps, conferences, as well as organized recreational activities.

**AGRICULTURE EDUCATION CAREER MAJORS**
**TAKE AG CLASSES – EARN COLLEGE CREDIT**

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<tr>
<th>Horticulture &amp; Plant Science Systems</th>
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<td><strong>Recommended Courses</strong></td>
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<td>Small Animal Technology</td>
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<td>Greenhouse Technology</td>
<td>Animal Science</td>
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<td>Equine Science</td>
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<td>Landscaping/Turf Mgmt</td>
<td>Veterinary Science</td>
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<td>Contemporary Issues (Capstone)</td>
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Students who complete a career major within agriculture by taking at least 4 full agriculture credits (3 credits within an approved career area/major) can earn 3 hours of college credit to any of the five major public universities in Kentucky by passing the Kentucky Occupational Skills Standards Assessment (KOSA) during the spring of their senior year. Even though you may not want to complete a career major, feel free to explore different class offerings in the agriculture department.

“Bolded” courses are the “primary recommended courses” for this career major. At least 3 of the 4 courses used to earn the career major should come from this group of courses. See the suggested sequencing in the back of the CTE section.

**Attention Students:** Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
Equine Science
Course # 020261
Grade Level: 10-12
Credit: 1
Prerequisite: None
Fee: none
Career Area: Animal Science

Equine Science develops knowledge and skill pertaining to breed identification and selection, anatomy, physiology, nutrition, genetics and reproductive management, training principles, grooming, health disease, parasite control and sanitation practices. Content may be enhanced with appropriate computer applications. Leadership development will be provided through FFA. Each student will be expected to have an agricultural experience program. This course is recommended for the Animal Science Career Pathway.

Floriculture and Floral Design
Course # 010621
Grade Level: 10-12
Credit: ½
Prerequisite: None
Career Area: Horticulture
Fee: $15

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 florist business as well as identification, production and cultural maintenance practices of plants used in floral design and interior landscaping. This course is recommended for the Horticulture and Plant Systems Career Pathway.

Greenhouse Technology
Course #010641
Grade Level: 10-12
Credit: 1
Prerequisite: Principles of Agriculture (preferred)

This course 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 will be included. This course is recommended for the Horticulture and Plant Systems Career Pathway.

Introduction to Horticulture
Course # 010652
Grade Level: 10-12
Credit: ½
Prerequisite: None
Career Area: Horticulture

This course introduces you to the horticulture industry. Horticulture encompasses nearly all plants, specifically focusing on decorative species and vegetable production. This course will focus on the production of greenhouse and nursery plants, fruits and vegetables, and the use of decorative plants. Students interested in home gardening no matter how big or small an area can benefit from this course. This course is recommended for the Horticulture and Plant Systems Career Pathway.

Landscaping and Turf Management (Fall)
Course # 010631
Grade Level: 10-12
Credit: ½
Prerequisite: none
Fee: $10.00ea course fall & spring
Career Area: Horticulture

These courses combine landscaping and turf management curriculum. The material 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. Selection, culture and management of turf species used for lawns, golf courses, athletic fields and erosion control may also be included. Content may be enhanced by utilizing appropriate technology. Leadership development will be provided through FFA. Sign up for both Fall and Spring courses to receive a full credit in Horticulture. This course is recommended for the Horticulture and Plant Systems Career Pathway.

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
Landscaping and Turf Management II (Spring)
Course # 010629
Grade Level: 10-12
Credit: ½
Prerequisite: none
Fee: $10.00ea course fall & spring
Career Area: Horticulture

These courses combine landscaping and turf management curriculum. The material 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. Selection, culture and management of turf species used for lawns, golf courses, athletic fields and erosion control may also be included. Content may be enhanced by utilizing appropriate technology. Leadership development will be provided through FFA. Sign up for both Fall and Spring courses to receive a full credit in Horticulture. This course is recommended for the Horticulture and Plant Systems Career Pathway.

Principles of Ag. Science and Tech.
Course # 030715
Grade Level: 9-10
Credit: 1
Prerequisite: None
Fee: $10.00
Career Area: All

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. Leadership development will be provided through FFA. Students will receive personal guidance and counseling with preparatory instructional program selection. This course is recommended for all agriculture career pathways.

Veterinary Science
Course # 020511
Grade Level: 10-12
Credit: 1
Prerequisite: None
Fee: 
Career Area: Animal Science

This course introduces students to the field of veterinary. 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. Leadership development will be provided through FFA. Each student will be expected to have an agricultural experience program. This course is recommended for the Animal Science Career Pathway.

Dual Enrollment Courses

The following classes are college credit bearing courses. Students can earn 3 college credit hours for each class in addition to high school credit. Prerequisites established by Murray State University and acceptance into the program (through an application process) are required. Tuition for each 3 credit hour course is equivalent to the one credit hour price established by Murray each May.

Contemporary Issues in Agriculture (AP Weighted)
Course #030725
Grade Level: 12
Credit: 1 (Dual Enrollment – Murray State- 3 hrs)
Fee: $30 application and $150 course fee to Murray State University
Prerequisite: Student must be preparatory in an agriculture career pathway/major

This course is designed to increase the understanding, awareness, and critical analysis of contemporary agricultural issues and their effect upon the social, political, economic and cultural aspects of society. Topics will include environmental, biotechnology, animal, crop, career, economy and trade, agricultural policy, food quality, safety and international agriculture issues. This course can serve as a capstone for any of the agriculture career majors and can be completed as an independent study and can serve as a capstone for all agricultural career pathways.

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.

Introduction to Agriculture Education & Leadership (AP Weighted)

Course #: 030727
Grade Level: 11-12
Credit: 1 (Dual Enrollment – Murray State – 3 hrs)
Fee: $30 application and $150 course fee to Murray State University
Prerequisite: Application Required; Recommended Principles of Agriculture or Previous Ag Coursework

This course is intended to serve as a bridge class between high school agriculture education programs and collegiate level teacher education courses for students interested in pursuing teacher education as a career. This course will be completed as an independent study for students interested in a career in education. Students must complete an application to enroll in this course.

Business & Information Technology

As technology advances, it is crucial that Cooper students know and understand the many software programs they will use in college and/or the workplace. With our curriculum, students are offered the opportunity to have hands-on experience in word processing, database, spreadsheets, programming, graphics, web development, video production, and presentation software.

Classes in this program provide students the opportunity to learn many valuable skills which will increase their marketability as they enter college and/or the workplace. In addition, many colleges and universities count Microsoft Certified Office Specialist Certifications for college credit. We offer a preparation class and testing through our curriculum.

The majority of current and future jobs require some level of technical skills; therefore, students need to participate in career and technical education while in school. Students may receive a specialized certification if they complete four classes in one major. These sequences are for certification only. Students choosing not to complete a career pathway sequence may choose to take a variety of business and technology courses. Below is a list of the business/technology career pathways. Students who complete any of these career pathways will be required to participate in the Kentucky Occupational Skill Standards Assessment (KOSSA). The successful completion of this assessment is recognized by colleges/universities, business and industry as certifications in these fields.

Any student who enrolls in a business or information technology class has the opportunity to join FBLA (Future Business Leaders of America). This is a co-curricular organization that provides students with an opportunity to develop leadership skills. Our chapter participates in several community service activities and competitions. We encourage all students to get involved.

BUSINESS/TECHNOLOGY PATHWAYS

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NOTE: Students must earn four career-related credits to complete a career pathway | See the suggested sequencing at the end of the CTE section.

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
**Accounting and Finance Foundation**
Course # 060122  
Grade Level: 10-12  
Credit: 1  
Prerequisite: Algebra II recommended  
Fee: $30 cost of workbook

Students who plan on pursuing any degree in the business finance, accounting, or a leadership field should take this course in high school. This class will prepare students who plan on operating their own business, working in the banking field or preparing taxes. College level accounting is a strenuous course. Mastering fundamentals in high school will help students become successful in the college world. This course gives students an introduction to the accounting cycle through journalizing business transactions and following the necessary steps in creating financial statements. Students will use automated accounting and on-line activities to enhance concepts. These skills will prepare students for the workplace, continuing into post-secondary education, and providing students a solid foundation in life skills. Leadership development is provided through FBLA. This course is recommended for the career pathways of Administrative Support, Business Management, Business Technology, and Sports Marketing.

**Advanced Multimedia Publishing Honors (Honors Weighted)**  
Course: # 060762  
Grade Level: 10-12  
Credit: 1  
Prerequisite: Digital Literacy or Computer Literacy, with at least an 87% average

Students learn the skills of publishing and presentation concepts through the development of sophisticated business documents and projects. These documents may include brochures, programs, flyers, posters, newsletters, web pages, onscreen presentations, and video/audio productions. Equipment utilized may include: scanners, digital cameras, video cameras, colored printers, multimedia projectors, and digital imaging equipment. Students will develop competency in programs such as Adobe Illustrator, FLASH, Dreamweaver, and Final Cut Pro. This is an excellent course to prepare students for the technical world. Students will develop communication skills, cooperative learning, and interpersonal skills. Strong reading and problem solving skills are recommended. Leadership development will be provided through STLP. Projects in this course may be used for the senior exit interview. The End-of-Course Exam for this class will be an Adobe ACA exam which will cost each student $45 (a discounted rate). This course is recommended for the career pathways of Administrative Support, Business Management, Business Technology, and Sports Marketing.

**AP Computer Science A (AP Weighted)**  
Course #110701  
Grade Level: 11-12  
Credit: 1  
Prerequisite: JAVA Programming 1 OR completed Algebra II with 87% or higher AND received teacher approval

This course emphasizes object-oriented programming methodology with a concentration on problem solving and algorithm development. It is meant to be the equivalent of a first-semester college-level course in Computer Science. It also includes the study of data structures, design, and abstraction. This course follows the curriculum established by the College Board and prepares students to take the Advanced Placement examination in the AP Computer Science A.

**ELECTIVE MATH CREDIT:** Students may use this course as a math elective for their SENIOR year only if they have met Benchmark (19 or greater on the ACT or 18 or greater on the PLAN). No other grade may take this course as their only math credit. This course is recommended for the career pathway of Computer Programming.

**Business Law I**  
Course # 060121  
Grade Level: 11-12  
Credit: 1  
Prerequisite: None

This course develops an understanding of legal rights and responsibilities of individuals in personal and business law. Application activities are applied to everyday roles as consumers, citizens, and workers. Students will develop an understanding of the American legal system, court procedures, family law, criminal justice system, torts, contracts and the civil justice system. Course content will emphasize current court cases at the local, state and national level via video presentations and current news media. Careers relating to the area of law will be investigated. Students will be expected to participate in a mock trial. This course is recommended for the career pathways of Administrative Support, Business Management, Business Technology, and Sports Marketing.

**Attention Students:** Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
**Business Management**
Course # 060411  
Grade Level: 11-12  
Credit: 1  
Prerequisites: None

This course emphasizes the skills needed for managing a business that involves the selection and supervision of employees including efficient use of time, personnel, facilities, and financial resources. Students will explore forms of business ownership; typical business organizational structure; product or service promotion in business; effective communications; human relations skills required in dealing with employees; and effective management strategies used in personnel, finance, production, marketing, and information processing. Leadership development will be provided through FBLA. **This course is recommended for the career pathways of Administrative Support, Business Management, Business Technology, and Sports Marketing.**

**Business Principles and Applications**
Course # 060111  
Credit: 1  
Grade Level: 9-10  
Prerequisite: None

This course establishes basic foundations for further study in business and marketing courses and provides essential information for making financial and economic decisions. All the functions of business management are covered extensively, including the use of technology and communication as tools of business, using money wisely, effective use of credit, insurance, and developing an effective organization. This course is recommended for students who are interested in taking future business courses or those wanting to pursue a career in the business world. **This course is recommended for the career pathways of Business Technology and Sports Marketing.**

**Computer Literacy/Computational Thinking Honors** (Honors weighted)
Course # 110111 and 110255  
Grade Level: 9-11  
Credit: 2  
Prerequisites: Recommendation of completion or enrolled in Algebra II

This fast-paced, advanced full-year course introduces students to the main components of computer literacy including Computer Fundamentals, MS Office Applications and Living Online; provides an introduction to the computer and the convergence of technology as used in today’s global environment. It will introduce topics including computer hardware and software, file management, the Internet, e-mail, the social web, green computing, security and computer ethics. It will also present basic use of application, programming, systems and utility software. Computational thinking will focus on logical thinking, algorithmic thinking, efficient solutions, scientific and innovative thinking. Performance-based and written assessments will be embedded in this course. Basic keyboarding skills are strongly recommended. **IMPORTANT NOTE: Even though the class takes place in one period, you must sign up for BOTH courses and enter BOTH course codes to enroll in this honors class.** **This course is recommended for the career pathway of Computer Programming.**

**Digital Literacy**
Course # 060112  
Grade Level: 9-12  
Credit: 1  
Prerequisite: Students must have basic keyboarding skills

This course is highly recommended for **ALL** students. This course will place an emphasis on creating/formatting documents. This is an essential skill for students interested in a business career, pursuing college or personal use. Course content will also include understanding of hardware, software, and operating systems. Students will develop competency in programs such as Microsoft Word, PowerPoint, Excel, Access, and Publisher as they complete units of study in word processing, presentation, database and spreadsheets. Internet research is incorporated into the course, as well as basic business concepts with an emphasis on computer terminology/functions and career/employment opportunities. This course is a prerequisite for other technology courses including the Microsoft Office (MOS) course where students gain Microsoft Certification, Web design, Multimedia Publishing in which students earn Adobe Certified Associate certification. **This course is recommended for the career pathways of Administrative Support, Information Processing, Business Management, Business Multimedia, and Business Technology.**

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**Attention Students:** Check Cooper’s website for summer assignments required in some classes. **Schedule changes will not be made.**
**Introduction to Engineering Design Honors** (Honors weighted)
Course #219901
Grade Level: 9-10
Credit: 1
Prerequisite: 24 or higher on ACT (or comparable Explore score)

Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. Students work both individually and in teams to design solutions to a variety of problems using 3D modeling software, and use an engineering notebook to document their work. The course included an introduction of Computer Aided Drafting and Engineering Design Principles. Students explore various technological systems, design optimization, and problem solving. Students utilize CAD and physical and virtual modeling concepts to construct, test, collect and report data.

**ELECTIVE MATH CREDIT:** Students may use this course as a math elective for their SENIOR year only if they have met Benchmark (19 or greater on the ACT or 18 or greater on the PLAN). No other grade may take this course as their only math credit.

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**International Business**
Course # 060188
Grade Level: 11-12
Credit: 1
Prerequisite: one other business class

This course is designed to provide students with basic knowledge and skills related to international economic activities and global business transactions. Students will examine the relationship of nations, companies, and individuals in their roles as workers, consumers and citizens; and will examine economic, cultural, geographic, historic and technological influences on global business activities, management principles, human relation theories, information systems, and production, marketing and finance activities. **This course is recommended for the career pathway of Business Management.**

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**JAVA Programming 1**
Course # 110201
Grade Level: 10-12
Credit: 1
Prerequisite: Completed or enrolled in Algebra II

This course introduces students to the automated processing of information. Students learn the basics to designing, constructing, and debugging complete computer programs, similar to those programs on any computer or technology device. Students will study data collection and storage, variable extraction and manipulation, conditional statements, and loops to design fully functioning programs.

**ELECTIVE MATH CREDIT:** Students may use this course as a math elective for their SENIOR year only if they have met Benchmark (19 or greater on the ACT or 18 or greater on the PLAN). Students not meeting Benchmark may take this course in conjunction with another math course. **This course is recommended for the career pathway of Computer Programming.**

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**JAVA Programming 2 Honors** (Honors Weighted)
Course # 110206
Grade Level: 12
Credit: 1
Prerequisite: AP Computer Science A

This course is a continuation of computer programming. This course is to be taken after AP Computer Science A. Students in this course will be working in greater detail with graphical user interfaces, inheritance, encapsulation, and other object-oriented programming techniques. Students in this course will work toward the Sun Certified Java Programmer certification.

**ELECTIVE MATH CREDIT:** Students may use this course as a math elective for their SENIOR year only if they have met Benchmark (19 or greater on the ACT or 18 or greater on the PLAN). No other grade may take this course as their only math credit. **This course is recommended for the career pathway of Computer Programming.**

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Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
Micro Office Honors [MOS/MCAS][Honors Weighted]
Course # 070751
Grade Level: 10-12
Credit: 1
Prerequisite: B average or higher in Digital Literacy

As an extension of Digital Literacy class, students will have the opportunity to increase their computer skills and become Microsoft Certified; advanced functions and integration of Microsoft Word, Excel, Access, and PowerPoint will be taught. Students will work toward MCAS Certification in one or more of these Microsoft areas. In addition, students will utilize Internet access to complete various projects. In today’s work environment, it is a necessity that students acquire strong computer skills. With the in-depth knowledge learned in this course, students will possess varied marketable skills. Students earning MCAS certification(s) may be eligible for college credits at many colleges/universities and possess qualities for entry level workplace positions. Students will be given ample opportunity to practice test taking skills and sample tests before they take the Microsoft exam. These exams can be taken during college for a fee of $90 or in class for a fee of $35. Many college classes require certification. For example, UK’s 2nd year accounting course requires Excel certification for entrance into class. Careers also may require certification. This course is recommended for the career pathway of Information Processing.

Promotional Apps and Media [COOPER NOW Media Team]
Course # 081512
Grade Level: 10-12
Credit 1 (can be repeated for credit, just not in same year)
Prerequisite: Student must fill out course application and receive teacher recommendation

This course is designed to provide students with hands-on experience of running a school-based industry simulated experience. Students will actively plan, write, and perform stages of video production. Students will contribute as a team member, as they perform all functions of broadcasting procedures. They will produce a broadcast for the closed circuit system within the school. In addition, student will apply basic fundamentals of advertising using digital and print media. Outside work is required for events that occur outside normal school hours. This course is based on the business and marketing core that includes communication skills, economics, financial analysis, product/service management and promotion (a school-based enterprise). Class size is limited due to space limitations and requires an approved application, teacher recommendations, and 2.0 GPA. This course is recommended for the career pathways of Business Multimedia, Information Processing, and Sports Marketing.

Retail Marketing (School Store)
Course # 081411
Grade Level: 11-12
Credit: 1 (can be repeated)
Prerequisite: Job application to be completed before scheduling and teacher recommendation

This course is designed to provide an overview of the marketing responsibilities of individuals employed in the retail industry. This course is based on the business and marketing core that includes communication skills, operations, distribution, marketing-information management, pricing, product/service management, promotion and selling. This course provides students with realistic experience in a retail environment. Students receive hands-on training by working in the school spirit store, The Great RC, during 4th period class. In addition, students may complete special assignments in the study of consumerism, supply and demand, retail markup, profit percentages, inventory management, and purchasing. Students must be willing to follow a “work schedule” which includes selling school spirit store items at after school events. Leadership development will be provided through FBLA. This course is recommended for the career pathways of Administrative and Sports Marketing.

Senior Internship
Course # 003002
Grade Level: 12 by application only
Credit(s): 1-2
Prerequisite: Interview with business teacher, good attendance and discipline. Must be able to drive and have proof of car insurance, can only be requested as alternate on scheduling contract.

This class will provide senior students with an opportunity to investigate possible career options. Students will spend time at a non-paid worksite (depending on career major). Student must be placed in a field aligned with their career pathway choice in accordance with the recommended Capstone Course. Class activities may include – but are not limited to – completing employment credentials, maintaining a work log, developing effective communications skills, using technology in the workplace, discussing/applying good work ethics and appropriate attire for the workplace, etc.

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
Sports & Event Marketing
Course # 081121
Grade Level: 10-12
Credit: 1
Prerequisite: None

In this course, you will gain knowledge in one of the most rapidly expanding fields of management and marketing in today's job market. The general principles of management and marketing will be presented in connection with the popular fields of the sports and entertainment industry. Sample topics discussed include sponsorships, licensing, endorsements, internships and promotions. This course will explore the intriguing world of sports and entertainment from the management and marketing perspective. This is a rapidly growing major offered by many universities. This course is recommended for the career pathways of Administrative Support and Sports Marketing.

Web Page Design
Course # 060199
Grade Level: 10-12
Credit: 1
Prerequisite: Digital Literacy or Computer Literacy/Computational Thinking

This course explores the basics of the World Wide Web and focuses on the fundamentals of Hypertext Markup Language. Students will utilize computer and application software including Adobe DreamWeaver, Photoshop, Flash, Internet, e-mail, digital cameras and scanners to prepare web pages. Students are assessed through performance and written forms as well as constructing technology projects. Strong reading and problem solving skills are recommended. The End-of-Course Exam for this class will be an Adobe ACA exam which will cost each student $45 (a discounted rate). This course is recommended for the career pathways of Business Multimedia, Business Technology, and Information Processing.

Dual Enrollment Courses(*)

The following classes are college credit bearing courses. Students can earn 3 college credit hours for each class in addition to high school credit. Prerequisites established by NKU and acceptance into the program (through an application process) are required. Tuition for each 3 credit hour course is equivalent to the one credit hour price established by NKU each May. It is recommended that the following classes, EMB100 and INF101 are taken together in the same year (1 class fall, 1 class spring) in which students are eligible to earn 6 college credits.

*EMB100  Media Literacy (1 semester class)
Course# 002114
Grade Level: 11-12
Credit: ½ for high school and 3 college credits
Prerequisite: Established by NKU

This course will cast a critical eye on the media that we interact with each day: radio, television, newspapers, magazines, books, films, and the Internet. Throughout this semester, we will examine the influences and effects that media has on us individually and our collective culture and we will dissect media’s history and its vast reach into our daily lives. Finally, we will create a final research project with these perspectives and realities in mind. The ultimate goal of this course is to stimulate your critical thinking concerning media and its effects, both historically and culturally, and to make you as a student and consumer more aware of the power and influence that media has.

*INF101  Informatics (1 semester class)
Course # 002190
Grade Level: 11-12
Credit: ½ for high school and 3 college credits
Prerequisite: Established by NKU

This course helps students understand basic concepts of information in a context including, but not limited to computer technology; examination of hardware and software; the impact computers have on society including employment, privacy, ethics and security; and, working with information as a resource. The course includes computer laboratory exercises in Microsoft Office 2013 (Word, Excel, PowerPoint, Access) and Internet technology applications.

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
OTHER COURSES

**Help Desk (this course does not meet the CTE graduation requirement)**
Course #110102
Grade Level: 11-12
Credit: ½ or 1
Prerequisites: Application and interview to be completed before scheduling and teacher recommendation required; Credit in Computer and Technology Applications; GPA, attendance, and discipline records will be checked

Students will learn networking concepts, computer support services and general troubleshooting of networking, computer applications, printing, etc. Students must be able to work independently.

**Library Media Center Aide (this course does not meet the CTE graduation requirement)**
Course #903012
Grade Level: 12
Credit: 1
Prerequisite: Application and interview to be completed before scheduling and teacher recommendation required

Students will assist Mrs. David in the media center. Daily tasks include: overseeing student check-in/check-out at the desk, shelving books, straightening bookcases, library tables and computer area, helping check books in/out, making copies, laminating, etc.

**Office Assistant (this course does not meet the CTE graduation requirement)**
Course # 003000
Grade Level: 12 only (can only be requested as an alternate course on scheduling contract)
Credit: ½
Prerequisite: Application and Interview

Students will be trained to work in a professional environment within the school setting. Work assignments may include getting students from classrooms, taking detention notices to students, answering phone calls and taking messages, filing /making file folders, operating all office equipment as needed, and working with administrators and staff. Students are required to maintain confidentiality at all times. Students must also be a positive role model to all students (cannot be a discipline problem), maintain good attendance (including minimal tardies), and may write a portfolio piece assigned by the administrator. To be eligible, students must submit an application and will have an interview. Also, students may not have failed more than one class during their high school career. Students may not take Peer Tutoring or Library Assistant in the same semester.

**Peer Tutoring (this course does not meet the CTE graduation requirement)**
Course # 906020
Grade Level: 12
Credit: ½
Prerequisite: Must complete application, interview with instructor, be in good standing and with excellent attendance. (Can only be requested as an alternate on the scheduling contract)

Peer Tutoring is open to seniors only. Students taking this course will work directly with students having special needs to accomplish academic goals. The following subject areas are available: Autism, Multiple Disabilities, math and science. Students in Peer Tutoring may not take Office Aid or Library Assistant in the same semester.

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
Family and Consumer Sciences

Family and Consumer Sciences Education prepares students for family life, careers, and community service. Opportunities are provided to develop knowledge and skills that focus on career majors/clusters. These include Fashion and Interior Design, Child Development, and Consumer and Family Management.

Family, Career, and Community Leaders of America (FCCLA) is the official student organization for Family and Consumer Science students and is an integral part of the instructional program. Students are encouraged to join the local chapter and fully benefit from the citizenship training, personal achievement, and leadership development at the local, regional and state levels. Dues are $15.00 per year.

Below is a list of career pathways for which students may receive specialized certification. It is recommended that students take a variety of FACS courses within the cluster. Students choosing not to complete a cluster sequence may choose to take a variety of Family and Consumer Science courses.

### FAMILY & CONSUMER SCIENCES CAREER PATHWAYS

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<td>Leadership Dynamics</td>
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NOTE: Students must earn four career-related credits to complete a career pathway
- 3 from recommended list
- 1 from elective list

See the suggested sequencing at the end of the CTE section.

**Culinary Arts I**
Course #200411
Grade Level: 11-12
Credit: 1
Prerequisite: Food & Nutrition

This advanced course allows students to increase competencies in a variety of food preparation techniques. Emphasis will be placed on food presentation, garnishing, menus planning and the skills necessary to prepare for a career in the culinary arts profession. Leadership development will be provided through the Family, Career and Community Leaders of America. This course is recommended for a Career Pathway in Culinary Arts.

**Early Lifespan Development (Child/Human Development)**
Course #: 200223
Grade level: 10-12
Credit: ½
Prerequisite: None

This course addresses the practical problems related to understanding the types and stages of human growth and development, recognizing effects of heredity and environment on human growth and development, meeting the needs of exceptional children, promoting optimum growth and development in the infancy, toddler, and preschool stages. Careers in child/human development are explored. This course is recommended for Career Pathway in Fundamentals of Teaching.

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
**FACS Essentials (Life Skills)**
Course # 200113  
Grade Level: 9-10  
Credit: 1  
Prerequisite: None

This course includes core competencies in the following areas of family living: consumer economics, family management, food management, relationships, housing, environments, clothing, textiles and human development. It provides opportunity for learning basic living skills including communication skills, conflict resolution, decision making, study skills, and basic fitness, as well as some focus on relationships within and outside the family, and prevention of family violence. **This course is recommended for Career Pathways in Consumer & Family Management and Fashion & Interior Design.**

**Fashion and Interior Design I**
Course # 200821  
Grade level: 10-12  
Credit: 1  
Prerequisite: None

This course enables students to study practical problems related to acquiring housing, conserving energy, maintaining a home, equipping and furnishing a home, designing/redesigning in the home. The second part of this class emphasizes the responsibility of individuals in coordinating, selecting and caring for apparel. Wardrobe, planning, budgeting and purchasing, as well as alterations and repairs will be explored. Class size is limited to twenty due to availability of equipment. **This course is recommended for a Career Pathway in Fashion & Interior Design.**  
*At least one sewing project will be constructed. Actual project material will be the responsibility of the individual student. (Approximate cost: $30)*

**Fashion and Interior Design II**
Course # 200825  
Grade level: 11-12  
Credit: 1  
Prerequisite: Fashion and Interior Design I

This course provides opportunities for students to develop career competencies in the fashion and/or interiors industry. Practical problems include advanced textile construction techniques and/or creation of floor plans using technological resources. Entrepreneurial opportunities will be explored. Class size is limited to twenty due to availability of equipment. **This course is recommended for a Career Pathway in Fashion & Interior Design.**  
*Actual project materials will be the responsibility of the individual student. (Approximate cost: $80 throughout the year)*

**Foods & Nutrition**
Course # 200441  
Grade Level: 10-12  
Credit: 1  
Prerequisite: FACS Essentials can be taken during the same year.

This course is designed to assist students in making critical decisions about food, which contributes to health and well-being. Laboratory instruction is included as an application process. Practical problems addressed relate to attitudes toward food, nutrition facts, special health concerns and diets, management of food resources, preparation skills, food safety, sanitation and careers in nutrition and food service. **This course is recommended for Career Pathways in Consumer & Family Management and Culinary & Food Services.**

**Leadership Dynamics**
Course # 170199  
Grade Level: 9-12  
Credit: 1  
Prerequisite: Student must be actively involved in a club or organization

This course is designed to assist students with developing skills needed to be successful leaders and responsible members of society. This student will develop personal attributes and social skills. Emphasis will be placed on interpersonal skills, team building, communication, personal development and leadership. This course will include opportunities for students to apply their knowledge. **This course is recommended for the Consumer & Family Management Career Pathway.**

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**Attention Students:** Check Cooper's website for summer assignments required in some classes. Schedule changes will not be made.
Middle to Late Lifespan Development (Advanced Child/Human Development)
Course # 200226
Grade Level: 11-12
Credit: ½
Prerequisite: Early Lifespan Development

This course addresses the practical problems related to understanding the types and stages of human growth and development, recognizing effects of heredity and environment on the life stages, meeting the needs of exceptional children, promoting optimum growth and development in the middle childhood, adolescent, and adulthood stages. Careers in child/human development and adult care services are explored. This course is recommended for Career Pathway in Fundamentals of Teaching.

Money Skills
Course # 201010
Grade level: 11-12
Credit: 1
Prerequisite: Algebra I recommended

This course is designed to prepare students to understand and use sound financial management skills and practices contributing to financial stability, improving the quality of life for individuals and family. Students will analyze lifestyle conditions which affect their financial situations throughout the life cycle. They will also learn how to manage checking and savings accounts, budgets and financial investments; identify wise credit practices; and understand the credit rating system. This course is recommended for Career Pathways in Consumer & Family Management, Fashion & Interior Design, and Culinary & Food Services.

Parenting
Course # 200173
Grade Level: 10-12
Credit: ½
Prerequisite: None

The purpose of this course is to relate a realistic idea of what effective parenting involves. We teach competencies needed in the preparation for parenthood. The “Baby Think it Over” infant simulators provide students with the experience of parenting a young infant. It involves the study of human reproduction, prenatal development, postpartum care, care of the infant, and managing the responsibilities of a parent, as well as changes in the family’s lifestyle. This course is recommended for Career Majors in Family and Consumer Science Education, Child Care and other related careers in the Human Services Career Cluster. This course is recommended for Career Pathways in Consumer & Family Management.

Principles of Teaching
Course #320210
Grade Level: 11-12
Credit: 1
Prerequisite: Child/Human Development, Digital Literacy, or Principles of Agriculture

This course provides opportunities for students with an interest in teaching to develop skills, strategies, and techniques used for instruction at various grade levels. 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. Students will gain work experience in classrooms with certified teachers as part of their course work. Other components include the development of a four-year post-secondary plan, salaries and benefits of a teacher, job security, and future projections of the job market. Note: This class can be taken as a peer tutoring practicum class for students who are interested in the teaching pathway and have taken the prerequisite classes. This course is recommended for Career Pathway in Fundamentals of Teaching

Relationships
Course # 200171
Grade Level: 11-12
Credit: ½
Prerequisite: None

This course focuses on the relationships among individual and family units. It includes: single adulthood, dating patterns, marriage expectations, marriage adjustments, conflicts, and planning for children. Major family crisis such as separation, divorce, illness, death, and the elderly are explored. This course is recommended for Career Majors in Family and Consumer Science Education, Child Care, and other related careers in the Human Services Career Cluster. This course is recommended for Career Pathways in Consumer & Family Management.

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
Agriculture

Animal Science Pathway**

Principles of Agriculture → Small Animal or Equine Science → Veterinary or Animal Science → Capstone Course: Contemporary Issues in Ag.* or other Agriculture Course

This pathway prepares students for careers in:
- Agribusiness Management
- Animal Production/Management
- Animal Behavior Management
- Biological Sciences (Lab Tech)
- Biotechnology (Animal Genetics)
- Equine/Animal Therapy
- Extension Education
- Marketing/Sales (Equipment, Feed, Livestock)
- Small Animal Industries
- Veterinary Services

*These are dual credit courses through Murray State University’s Racer Academy
**Students completing a career major and passing the state KOSSA examination earn 3 hours of elective college credit to KY ag schools

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.

Principles of Agriculture

Landscaping or Floral Design

Plant Science or Greenhouse

Capstone Course: Contemporary Issues in Ag.* or other Agriculture Course

Plant Science Pathway**

This pathway prepares students for careers in:

- Agribusiness
- Biological Sciences (Botany, Crops)
- Biotechnology (Plant Genetics)
- Extension Education
- Floral design
- Greenhouse Management
- Home Gardening
- Landscape Architecture/Design/Technical Services
- Nursery Management
- Plant Breeder

*This is a dual credit course through Murray State University’s Racer Academy
**students completing a career major and passing the state KOSSA examination earn 3 hours of elective college credit to KY ag schools
Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.

*indicates course that is dual credit through Murray State University Racer Academy

**students completing a career major and passing the state KOSSA examination earn 3 hours of elective college credit to KY ag schools
Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.

*This course offers opportunities for students to obtain industry-based certification which is regarded highly in the workplace.

These classes prepare students for the careers in planning, organizing, directing and evaluating business functions essential to efficient and productive business operations.

*Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.*
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These classes prepare students for the careers in planning, organizing, directing and evaluating business functions essential to efficient and productive business operations.
Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.

*These courses offer opportunities for students to obtain industry-based certification which is regarded highly in the workplace.
These classes prepare students for the careers in designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.

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These classes prepare students for the careers in designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
*These courses offer opportunities for students to obtain industry-based certification which is regarded highly in the workplace. These classes prepare students for entry level IT careers related to design, development, support and management of hardware, software, multimedia and systems integration services.

Attention Students: Check Cooper's website for summer assignments required in some classes. Schedule changes will not be made.
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*This course offers opportunities for students to obtain industry-based certification which is regarded highly in the workplace. These classes prepare students for IT careers in information support and services, network administration, programming, web development/administration, informatics, GIS, and engineering.

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**Business & Information Technology**

**Computer Programming Pathway**

- **Computer Literacy/Computational Thinking**
- **JAVA Programming 1**
- **AP Computer Science**

Plus, pick one:
- **JAVA Programming 2**
- **Web Design*”

---
These courses offer opportunities for students to obtain industry-based certification which is regarded highly in the workplace.

These classes prepare students for entry level IT careers related to design, development, support and management of hardware, software, multimedia and systems integration services.

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
Business & Information Technology

Sports Marketing Pathway


Plus, pick one:
- Retail Mktg.
- Promotional Apps & Media
- Business Management
- Accounting

These classes prepare students for the careers in planning, managing, and performing marketing activities to reach organizational objectives such as brand management, professional sales, merchandising, marketing communications and market research.

Attention Students: Check Cooper's website for summer assignments required in some classes. Schedule changes will not be made.
Attention Students: Check Cooper's website for summer assignments required in some classes. Schedule changes will not be made.

This pathway prepares students for careers in:

- Executive Chef
- Private Chef
- Pastry Chef
- Caterer
- Restaurant Owner
- Dietitian Technician
- Nutritionist
- Restaurant Manager

Family & Consumer Sciences

FACS Essentials
(Recommended but not required)

Foods & Nutrition

Culinary I

Culinary II
(Coming 2016-2017)
Family & Consumer Sciences

Fashion & Interior Design Pathway

FACS Essentials → Fashion & Interior Design I → Fashion & Interior Design II → Money Skills

This pathway prepares students for careers in:

- Interior Designer
- Architect
- Retail Sales – Interiors
- Real Estate Consultant
- Buyer
- Fashion Designer
- Visual Merchandising
- Apparel Manufacturing
- Retail Management

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
Family & Consumer Sciences

Consumer & Family Management Pathway

This is a suggested sequence. These classes can be taken at any time (check grade level requirements).

FACS Essentials → Relationships AND Money Skills → Foods & Nutrition → Parenting

OR

Middle to Late Lifespan Development

This pathway prepares students for various careers and provides a solid foundation for life.

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.

Family & Consumer Sciences

Fundamentals of Teaching Pathway

- Early Life Span Development
- Middle to Late Life Span Development
- Principles of Teaching
  - FACS Essentials
  - Leadership Dynamics
  - Relationships

This pathway prepares students for various careers in education.
Summer Gardening
Register Now

Would you like to grow your own food?
Do you prefer hands-on learning?
Do you struggle to fit an agriculture class into your schedule?

This course is designed for students who desire a hands-on approach to learning about agriculture. You will be responsible for maintaining a specific plot in our school garden for the summer. Course participants will meet weekly for work in the garden.

If you desire to take an agriculture course but aren’t able to fit it into your schedule because of v-school or AP courses, or you’re simply interested in learning more about maintaining a summer garden, talk to Mr. White soon. Class enrollment will be limited!
The Area Technology Center (ATC) offers seven (6) programs of study. Students who are accepted into the program will attend the ATC for three (3) periods a day. Please utilize your 4-year plan worksheet in preparation for taking a program at the ATC. For students wanting precollege curriculum, world language will need to be taken 9th and 10th grade. Students must fulfill their requirements for graduation and have availability in their schedule for three (3) periods during their junior and senior year.

ATC PROGRAMS

AUTO TECHNOLOGY

ELECTRICAL TECHNOLOGY

PRE-NURSING PATHWAY

MACHINE TOOL TECHNOLOGY

DIESEL TECHNOLOGY

METAL FABRICATION TECHNOLOGY

WELDING TECHNOLOGY
WAYS TO EARN COLLEGE CREDIT AT COOPER HIGH SCHOOL

There are multiple ways to earn college credit at a free or discounted rate while attending Cooper High School. (See each section in course guide for additional details) Those additional ways include:

**Option 1: AP Courses**
Taking Advanced Placement Classes and passing the AP exam (see AP courses offered in each subject area)

**Option 2: Dual Credit through Early Admission:**

**NKU**
- Courses taken on the Highland Heights Campus
- School Based Scholars courses are dual enrollment classes taught by an NKU Professor at RCHS during 1st Period.
- Courses with credentialed Cooper High School Teacher are offered at Cooper HS (Currently 6 credit hours of Spanish and 3 credit hours of World Religions)

**THOMAS MORE**
Courses taken on Thomas More Campus

**GATEWAY REGIONAL ACADEMY**
Courses taken on Gateway Regional Academy Campus

**Option 3: Industry Certification**
Students earning industry certification(s) may be eligible for college credits at many colleges/universities. MCAS (Microsoft Certified Application Specialist) Certification is offered through the CTE Department (see CTE section of handbook).

**Option 4: Articulated Credit**
Articulated Dual Credit (ATC only) in conjunction with Gateway. ATC students are taught by an ATC instructor in an ATC course approved by the Gateway Provost. Students can earn Gateway credit if grade requirements are met for the equivalent Gateway course.

**Option 5: KOSSA (Kentucky Occupational Skill Standards Assessment)** Students who complete a CTE career pathway can earn college credit at any of the five major public universities in Kentucky by passing the KOSSA Assessment during the spring of their senior year. Please check with a CTE teacher for more information.
## DUAL CREDIT INFORMATION SHEET

<table>
<thead>
<tr>
<th>Questions?</th>
<th>Gateway Regional Academy</th>
<th>NKU</th>
<th>Thomas More</th>
</tr>
</thead>
</table>
| What does dual credit look like?               | High School Option: ~An Area Technology Center student  
College Campus Option: ~Eligible students can take any class on the Gateway Campus for which they meet the pre-requisites.                                                                                           | High School Option: NKU faculty teach college courses at the high school campus, bringing the college culture and contact time.  
College Campus Option: Eligible students can take any class on the Highland Heights campus for which they meet the pre-requisites. | College Campus Option: ~Eligible to seniors  
~College may add special sections  
~Fill open seats in regularly scheduled courses                                                                                          |
| What is the criteria?                          | College Campus Option: ~Any student 16 or older  
~ ACT or Compass minimum requirement  
~Completed application packet                                                                                                                        | ~Completed sophomore year  
~ACT/PLAN score of 20/SAT of 940  
~High school GPA of 3.25  
~Completed application packet                                                                                                                   | Completed the following HS units: ~3 in English, 2 in Science, 2 in Math, 2 in Social Studies  
~3.5 GPA in above units  
~Provisional admittance through Academic Dean                                                                                                 |
| What classes are offered at the high schools?  | Courses offered on Gateway’s Campus.                                                                                                                                                                                   | Examples but not limited to: Speech, History, Political Science, Fine Arts, World Religions, and Criminal Justice.  | Examples but not limited to: Biology, Chemistry, Computer Science, English, History, and Psychology                                                        |
| What are the costs?                            | College Campus Option: ~$220.50  
~Textbook                                                                                                                                                  | High School Option  
~Cost of one credit hour  
College Campus Option: ~$225  
Other Costs ~One-time Application fee of $40  
~Textbook                                                                                      | College Campus Option: ~$280 per course                                                                                                                |
| Will these college credits transfer to other colleges? | Gateway is a regionally accredited institution whose credits are accepted by most major colleges and universities. Students should consult with the college of their choice as to how their Gateway credits would apply.                  | NKU is a regionally accredited institution whose credits are accepted by most major colleges and universities. Students should consult with the college of their choice as to how their NKU credits would apply. | Thomas More College is regionally accredited by the Southern Association of Colleges and Schools, which greatly eases transferability of credit. Thomas More College will guarantee that all the high school credit earned while enrolled in the Thomas More Dual credit program will be accepted and applied toward graduation at Thomas More. |
| Who do I contact for more information?         | ~See Guidance Office                                                                                                                                                                                                | ~James Catchen, (859) 392-2401                                                                                                                  | ~See Guidance Office                                                                                                                                         |
# COURSES OFFERED AT RANDALL K COOPER HIGH SCHOOL

<table>
<thead>
<tr>
<th>COURSE TITLES</th>
<th>COURSE #</th>
<th>CREDITS</th>
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<th>COURSE #</th>
<th>CREDITS</th>
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- DUAL ENROLLMENT COURSES:
  - Rel. 200-World Religions & Cultures
  - Spanish 101
  - Spanish 102
  - Spanish 201
  - Spanish 202
  - Contemporary Issues in Ag.
  - Intro. To Ag. Educ. & Leadership
  - EMB 101 Media Literacy
  - INF 101 Informatics
  - NKU Offered Courses (Varies)
  - Advanced Multimedia Publishing
  - Microsoft Office Honors (MOS/MCAS)
English

General Curriculum

English I → English II → English III → English IV

Accelerated Curriculum

English I Honors → English II Honors

English III Honors

Students may choose either of the following:

English IV Honors or AP English IV

AP English III
Mathematics

General Curriculum

Algebra I → Geometry → Algebra II

Students Earning Alg. 1 as 8th graders

Geometry → Algebra II

Accelerated Curriculum

Algebra I → Geometry Honors → Algebra II Honors → Java I

Intro. to Engineering Honors (May double up)

Students may choose from the following:
- Transitions Math
- Probability and Statistics Honors
- Advanced Topics in Mathematics Honors
- Math for Business and Industry
- Java Programming I
- AP Computer Science A

Students may choose from the following:
- College and Career Readiness Math
- Math for Business and Industry
- Java Programming I
- AP Computer Science
- Advanced Topics in Math Honors

Pre-Calculus Honors

Acc. Pre-Calculus Honors

Advanced Topics in Math Honors

Java I

Students may choose from the following:
- AP Calculus AB or BC
- AP Statistics
- AP Calculus BC
- AP Computer Science A
- Pre-Calculus Honors
- AP Computer Science A

Students may choose from the following:
- AP Statistics
- Probability and Statistics Honors
- Pre-Calculus Honors
- AP Computer Science A

* For more information on Applied Engineering courses see pg. 77. An Applied Engineering course may count as your senior year math course. You may double up an Engineering course with any math course.

* For more information on Computer Science courses see pg. 77. A computer science course may count as your senior year math course. You may double up a Computer Science course with any math course, Algebra 2 or higher.
Mathematics, Cont.

Applied Engineering Curriculum

- Intro. to Engineering Design Honors
- Principles of Engineering (course to be added at later date)
- Engineering Design & Development (course to be added at later date)

Students must meet the following Benchmarks - ACT: Math - 19, Science - 21, EXPLORE: Math - 17, Science - 18
- Students may take Engineering courses in conjunction with other math courses.
- An Engineering course taken in the senior year may count as the student’s senior math credit.

Computer Science Curriculum

- JAVA 1
- AP Computer Science A
- JAVA 2 Honors

- JAVA I must be taken after having completed or while enrolled in Algebra 2
- Students may only take a Computer Science class as their only math course in their senior year if they have met benchmark on the ACT.
- Computer Science may count as a student’s 4th math credit.
Science

General Curriculum

Integrated Science

Biology or Biology Honors

Chemistry or Chemistry Honors

Accelerated Curriculum

Biology Honors

Chemistry or Chemistry Honors

Students may choose from the following:

- Earth/Space Science
- Advanced Topics Honors
- Anatomy Honors
- AP Biology
- AP Chemistry
- AP Physics 1
- AP Physics C Mechanics
- Forensics

Students may choose from the following:

- Earth/Space Science
- Advanced Topics Honors
- Anatomy Honors
- AP Biology
- AP Chemistry
- AP Physics 1
- AP Physics C Mechanics
- Forensics

AP Physics 1 can be taken at any grade level. Prerequisite: 87% in Algebra. A minimum EXPLORE score of 21 or PLAN score of 23 is recommended.
Social Studies

General Curriculum
- Intro to Social Studies
- World Civilization
- US History

Accelerated Curriculum
- AP Human Geography
- AP European History
- AP US History
This is a tentative plan to give you and your parents some direction as you progress through your high school career at Cooper High School. We want students to be able to take advantage of all Cooper has to offer. This will require some pre-planning on your part. You may have to “double up” in a content area to be able to reach the capstone class. We also offer dual enrollment and interning options which will require you to plan ahead. We do not want you to miss out on opportunities at Cooper High School! Please contact your JAM teacher, guidance counselor, or administration if you have any questions. It’s a team effort and everyone is here to help you Aspire, Achieve, and Excel!

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<tr>
<td>Electives</td>
<td>6-8</td>
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<tr>
<td>Other</td>
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<td>Total</td>
<td>24 credits possible</td>
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<table>
<thead>
<tr>
<th>Class Status</th>
<th>Credits Needed (Class of 2015-2017)</th>
<th>Credits Needed (Class of 2018 and beyond)</th>
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<tr>
<td>Sophomore</td>
<td>5</td>
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<td>Junior</td>
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<td>11</td>
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<td>Senior</td>
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<td>Minimum To Graduate</td>
<td>22</td>
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</table>
Contract for Requesting Courses

Student Name__________________________________________ Date: ___ /___ /____

Career Interest__________________________________________ Current Grade ____________

Please carefully review the current RCHS course guide to make informed decisions regarding course selections for next school year. Consider career interests, personal interests and obligations, parental input, recommendations from current teachers and JAM mentor to create an appropriately challenging yet balanced schedule. Reflect on how this schedule will fit with your four year graduation plan and your ILP. Please choose wisely since these course selections are final, and there will be NO schedule changes. The box below should contain 6 credits:

<table>
<thead>
<tr>
<th>Course Number:</th>
<th>Course Title:</th>
<th>Credit</th>
<th>Teacher Approval:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1._________</td>
<td>1.____________</td>
<td>1.____</td>
<td>1.________________</td>
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<tr>
<td>2._________</td>
<td>2.____________</td>
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<td>2.________________</td>
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<tr>
<td>3._________</td>
<td>3.____________</td>
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<td>4._________</td>
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<tr>
<td>6._________</td>
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<tr>
<td>7._________</td>
<td>7.____________</td>
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<td>8._________</td>
<td>8.____________</td>
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<tr>
<td>9._________</td>
<td>9.____________</td>
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<tr>
<td>10._________</td>
<td>10.__________</td>
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<td>10.________________</td>
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</tbody>
</table>

Number of Requested Credits **(should be 6)**

---

**CAUTION**

Do not leave blank! Alternate courses are essential.

<table>
<thead>
<tr>
<th>Alternate Courses:</th>
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</thead>
<tbody>
<tr>
<td>Course #:</td>
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<tr>
<td>1._________</td>
</tr>
<tr>
<td>2._________</td>
</tr>
<tr>
<td>3._________</td>
</tr>
</tbody>
</table>

| Teacher’s Initials | Course #: | Course Title: |
|--------------------| 4.______ | 4.____________ |
| 5.______ | 5.____________ |
| 6.______ | 6.____________ |

Your signature below indicates you have carefully reviewed your selections, have reviewed any summer assignments required for the courses and are agreeing to take the above courses. The signatures below indicate you understand THESE COURSES ARE FINAL AND NO SCHEDULE CHANGES WILL BE MADE.

_________________________       __________________________
JAM Teacher Signature       Student Signature

_________________________
Parent Signature
WE ARE COOPER
SCHOOL CREST DEFINED

TORCH - Achievement through education

SCROLL - Passing of knowledge

GLOBE - The feeling of preparedness for no matter where one may travel, His education stands him in good stead

KEY - Unlocking of the doorway to education, to culture friendships, to unlock prejudices

TRIANGLE W/EYE - Intellect in action working toward goals

LEAVES - Achievement