Magnet Cove High School

“Panther Pride Runs Deeps”

Course Catalog
2018-2019

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MCMS Principal: Candiss Bennett
MCES Principal/Asst. Supt.: Whitney McCutcheon
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TO ALL HIGH SCHOOL STUDENTS AND PARENTS:

All high school students will make many decisions concerning their education. Among the most important of these decisions is the selection of courses to be studied. Whether you plan to attend college, go to a vocational-technical school, or enter the work force, these are extremely important decisions.

Course selections should be made carefully, considering both the student’s future goals and graduation requirements. College-bound students should immediately map out a course of study that consists of smart core courses. Students should seek the advice of parents, counselors, teachers, mentors and administrators. A close relationship among these groups can help ensure appropriate choices.

The high school master schedules are developed after students make course choices. As a direct result of these decisions, the number of sections available is determined by the choices made by students during their course selection process. Although some conflicts will arise, every effort will be made to enroll students in the courses that they select. Please register accurately and give careful consideration to the selections made.

Graduates who have gone on to postsecondary schools always advise students to take more smart core courses, work harder, and develop a rigorous schedule. Such a plan is likely to improve the student’s ACT/SAT scores, reduce the need for remedial (non-credit) courses in college, and generally make more options available to the student upon graduation. Do not underestimate the seriousness of choosing these courses.

Please review the high school graduation policy. Graduation from Magnet Cove High School is the responsibility of the student and parent. The school’s staff can and will give advice about the courses which are offered, but ultimately, the student is accountable for his/her own success in high school. No student may participate in graduation ceremonies if he/she lacks any unit of completing the graduation requirements.

Elective courses listed in the booklet, which do not attract enough students during pre-registration, will not be offered.

Students and parents need to be aware that the choices made on the pre-registration form are binding because faculty is hired and scheduling is based on these pre-registration choices. Both students and parents must sign the pre-registration form. A change will be made only when it is required to correct a clerical error, to balance class loads, or to meet graduation requirements.

Best wishes for success.

Jeffrey Eskola
Principal
Magnet Cove High School

Candiss Bennett
Principal
Magnet Cove Middle School

Whitney McCutcheon
Principal
Magnet Cove Elementary School

Carrie Smith
Counselor
Magnet Cove High School / Middle School

Disclaimer: Every effort has been made to ensure that information provided in this course catalog is current and accurate at the time of publication.
CLASSIFICATION POLICIES AND PROCEDURES

Classification Requirements:

<table>
<thead>
<tr>
<th>Class</th>
<th>Units</th>
</tr>
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<tbody>
<tr>
<td>Sophomore</td>
<td>5</td>
</tr>
<tr>
<td>Junior</td>
<td>10</td>
</tr>
<tr>
<td>Senior</td>
<td>15</td>
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<tr>
<td>Graduate</td>
<td>22</td>
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Any student who fails an English course must repeat the course through course recovery at Magnet Cove or take the course the following year before the student will be allowed to take the next level of English. All students must be enrolled in the appropriate English course.

All schedule changes must be made by the beginning of the first week of each semester. Students dropping a class after four weeks will receive a failing mark in that class. Students may repeat a failed course but the failing mark will remain on the student’s transcript. Students in grades 7-12 are required to be enrolled in no fewer than 360 minutes of planned instructional time each day. Exceptions may be made by the board for seniors experiencing financial hardship. A financial hardship means that harm or suffering is caused by the student’s inability to obtain or provide basic life necessities of food, clothing, and shelter for the student or the student’s family.

Students may be enrolled in no more than one class each day for organized extracurricular classes to be included as planned instructional time.

GRADUATION REQUIREMENTS

Students are responsible for making sure they have completed all graduation requirements. Students are encouraged to seek advice from the counselor, principal, and teachers/advisors to be sure requirements are met.

**Students who fail to complete all of the requirements for graduation will not be allowed to participate in the graduation ceremonies.**

Students who complete the requirements for graduation early will be permitted to participate in the graduation ceremonies.

In order to earn credit for a course, a student must fulfill all unit requirements. A high school diploma will not be awarded to any student having less than 22 units of credit.

**General Diploma: 22 credits and meet all Smart Core requirements**

**Requirements for general (college prep) diploma:**

- 4 units of English
- ½ unit oral communication
- ½ unit health
- ½ unit PE
- ½ unit fine art
- 3 units of social studies (American History, World History, and Civics)
- 3 units of science (a physical science, Biology, and Chemistry are required)
- 4 units of math Algebra I, Algebra II, Geometry, and one advanced math are required
- 6 units of electives-career focus (Athletics will not count toward graduation requirements)
- ½ unit of economics

Any student not completing Smart Core requirements must have a signed waiver on file in their permanent record.

**Honors Diploma: 24 credits total – A student must have two AP courses from the four offered and 8 units must be taken from the courses listed below.**
**AP Courses:** AP Calculus (Virtual Arkansas), AP Biology, AP American History, AP Language/Composition I, AP Literature/Composition II, AP Chemistry

**Electives for Honors Diploma:**

- Pre-AP English 10
- Trig/Pre-Calculus
- Pre-AP English 9
- College Algebra/Trig
- Concurrent Credit Classes

- Pre-AP Biology
- Pre-AP Algebra II
- Pre-AP Chemistry
- Physics (Virtual Arkansas)

Honor Graduates will be chosen from the honors diploma group. Requirements for honor graduates will be a weighted 3.5 GPA or the upper 10% of the class. The Valedictorian and Salutatorian will be selected from this group. Honors classes will be weighted for the purpose of determining GPA for class rank. A student with all A’s will not be penalized for taking more courses. In this instance, the un-weighted GPA may be considered.

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**The Advanced Placement Program, Courses, and Examinations/Virtual Arkansas**

The Advanced Placement Program, sponsored by the College Board, is a program of college-level courses and examinations that provides high school students with an opportunity to earn advanced placement, college credit, or both while still in secondary school. The AP Program offers students challenge, study of subjects in greater depth, accelerated learning opportunities, a sense of accomplishment, strength in a college application, development of college-level study, analytical skills, and a head start for college credit.

Advanced Placement examinations are given in May. More than 3,000 U.S. colleges and universities accept AP grades. While each college decides which AP Exam grades it will accept for credit and/or advanced placement, generally, institutions accept scores of 3 and above to award credit for an equivalent course. Students seeking credit through the AP Program should obtain the college’s AP Policy in writing or refer to the institution’s catalog. Currently the State of Arkansas pays testing fees for all students completing AP courses.

Magnet Cove offers Pre-AP courses in preparation for AP courses.

**Participation in Pre-AP/AP and Virtual Arkansas courses requires a commitment contract signed by the student and parent(s).**
Magnet Cove High School
Pre-AP/AP Commitment Contract

Pre-AP/AP Commitment Contract 2018-2019 School Year

Certain skills, attitudes, and behaviors are essential to good learning. Both Pre-AP and AP are challenging elective courses. Pre-AP courses prepare students for the challenges of AP courses. Students in an AP class have the opportunity for advanced quality points, as well as college credit through the AP test. In both Pre-AP and AP courses, students are expected to exhibit a higher level of learning behaviors. The following are behaviors expected of all students selecting Pre-AP or AP classes.

1. Self-control and maturity: being able to discuss relevant topics in a mature way, being able to accept feedback, being trustworthy and responsible, knowing the rules, coming to class with all necessary materials.

2. Critical thinking: being accurate and seeking accuracy; being clear and seeking clarity; being open-minded; restraining impulsivity; taking a position when the situation warrants it; being sensitive to others’ feelings and level of knowledge.

3. Creative thinking: engaging intensely in tasks even when answers or solutions are not immediately apparent.

4. Leadership and cooperation: establishing a relationship with teachers and peers, accepting team roles as assigned, adding to the order of the classroom, sharing responsibility for class leadership.

5. Positive attitude: trying to find value and relevance when they are not immediately apparent, giving top effort in unfamiliar tasks, giving others the benefit of the doubt.

6. Strong work ethic: devoting extensive time and energy to the completion of homework assignments, projects, daily work, tests, quizzes, readings, writings; occasional extra time commitments; and near-perfect attendance to class.

7. Honor: Students are expected to follow the same honor code that many colleges have. Plagiarism or cheating in any form is unacceptable. Students are expected to discuss with teachers any knowledge of students participating in any dishonorable activities.

A student unwilling or unable to practice these behaviors should not select Pre-AP or AP courses.

Students will not be allowed to drop a Pre-AP or AP course.

Pre-AP / AP Courses Selected:

____________________________         ____________________________          ____________________________

____________________________         ____________________________          ____________________________

____________________________________________  ____________________________

____________________________________________  ____________________________

Student Signature                      Date

Parent/Guardian Signature               Date

Magnet Cove High School
Virtual Arkansas Commitment Contract

Virtual Arkansas Commitment Contract 2018-2019 School Year

Certain skills, attitudes, and behaviors are essential to good learning. Virtual Arkansas classes are challenging core and elective courses. Virtual Arkansas courses prepare students for the challenges of digital learning. In Virtual Arkansas courses, students are expected to exhibit a higher level of learning behaviors. The following are behaviors expected of all students selecting Virtual Arkansas classes.

1. Self-control and maturity: being able to discuss relevant topics in a mature way, being able to accept feedback, being trustworthy and responsible, knowing the rules, coming to class with all necessary materials.

2. Critical thinking: being accurate and seeking accuracy; being clear and seeking clarity; being open-minded; restraining impulsivity; taking a position when the situation warrants it; being sensitive to others’ feelings and level of knowledge.

3. Creative thinking: engaging intensely in tasks even when answers or solutions are not immediately apparent.

4. Leadership and cooperation: establishing a relationship with teachers and peers, accepting team roles as assigned, adding to the order of the classroom, sharing responsibility for class leadership.

5. Positive attitude: trying to find value and relevance when they are not immediately apparent, giving top effort in unfamiliar tasks, giving others the benefit of the doubt.

6. Strong work ethic: devoting extensive time and energy to the completion of homework assignments, projects, daily work, tests, quizzes, readings, writings; occasional extra time commitments; and near-perfect attendance to class.

7. Honor: Students are expected to follow the same honor code that many colleges have. Plagiarism or cheating in any form is unacceptable. Students are expected to discuss with teachers any knowledge of students participating in any dishonorable activities.

8. Understanding: Students must understand all Virtual Arkansas courses are taught by an Arkansas state licensed teacher who is not a member of the Magnet Cove High School teaching staff. Students will be required to work independently and must be highly self-motivated to honor course commitments, time schedules and participate in an on-line class scenario.

A student unwilling or unable to practice these behaviors should not select Virtual Arkansas Courses.

Students will not be allowed to drop a Virtual Arkansas.

Virtual Arkansas Courses Selected:

________________________________________________________________________

________________________________________________________________________

Student Signature                                           Date

Parent/Guardian Signature                                  Date

CAPS Teacher Signature                                     Date
To Whom It May Concern:

As the school's official College Recruiting Coordinator, it is my job to ensure that each student-athlete at Magnet Cove that wishes to pursue athletics at the next level has the opportunity. There are new requirements from the NCAA regarding courses completed, GPA, and ACT scores for both Division I and Division II schools. In order to ensure that your child is academically eligible to participate in NCAA sanctioned activities, we must all work together when selecting the classes they will take each year at Magnet Cove High School. Please check the appropriate box below.

___ My son/daughter wishes to pursue athletics at the collegiate level

___ My son/daughter **DOES NOT** wish to pursue athletics at the collegiate level

*Please note that by checking the NO box, Magnet Cove High School cannot be held responsible for any discrepancies with the NCAA Eligibility center regarding your child's transcript. If you choose no, our only focus will become meeting the requirements for graduation laid out by the Arkansas Department of Education, which in some cases, differ from the requirements laid out by the NCAA.*

If you chose to put your child on the plan to reach NCAA eligibility, please look at the attached documents. These pages lay out the requirements from the NCAA to become eligible at both Division I and Division II schools. It is IMPERATIVE that your son/daughter begins taking the ACT as soon as possible, and takes it as many times as possible. Please make sure that each year when you plan out your schedule, that either myself, or one of your son/daughter's coaches is your child’s academic advisor, to best ensure that your son/daughter is being placed in the proper classes.

By signing below, you acknowledge that you and your son/daughter have either agreed to put your child on the path to NCAA eligibility, or that you have chosen not to pursue college athletic and waive MCSD of any responsibilities related to the NCAA.

________________________________________  ________________
Parent/Guardian                                      Date

________________________________________  ________________
Student Athlete                                      Date
ENGLISH 9 (410000)
Course Length: one year
Grade: 9
Credit: 1 credit

Students in English 9 will learn multiple reading comprehension strategies and then apply them in interpreting a variety of print and non-print texts. Composition will be taught using the writing process model; students will have ample opportunity to plan, draft, revise, and edit their writing. Vocabulary will include, but not be limited to, the study of literary and rhetorical terms. Grammar and usage will be taught using the ACT format.

PRE-AP ENGLISH 9 (41000H)
Course length: one year
Grade: 9
Credit: 1 credit
Prerequisite: Recommendation from 8th grade English teacher and B or better in 8th grade English

This advanced class, which lays the foundation for the AP program, requires extra time and commitment. Students will learn multiple reading, comprehension strategies and then apply them in interpreting a variety of print and non-print texts. Composition will be taught using the writing process model; students will have ample opportunity to plan, draft, revise, and edit their writing. Vocabulary will include, but not be limited to, the study of literary and rhetorical terms. Grammar and usage will be taught using the ACT format.

ENGLISH 10 (411000)
Course length: one year
Grade: 10
Credit: 1 credit

English 10 concentrates primarily on rhetorical strategies, reading comprehension, and vocabulary application skills. Students will write and revise several writing samples and be required to read a high volume of reading in and out of class. English 10 generally focuses on World Literature, such as Greek Tragedy and Holocaust literature.

PRE-AP ENGLISH 10 (41100P)
Course length: one year
Grade: 10
Credit: 1 credit
Prerequisite: Pre-AP English 9

This course is designed to prepare students for AP English Language and Composition. In this course, students are engaged in becoming more skilled readers of a variety of prose types and writers. Students are introduced to rhetorical contexts and strategies. Students are engaged in composition for a variety of purposes.

ENGLISH 11 (412000)
Course length: one year
Grade: 11
Credit: 1 credit

English 11 students are expected to possess background knowledge of basic grammar and writing format. Students will draft and revise several writing samples, primarily literary analysis. Emphasis is placed on advancing the use of intended vocabulary, voice, sentence variety, etc.
AP LANGUAGE/COMPOSITION I (517030)
Course length: one year
Grade: 11
Credit: 1 credit
Prerequisite: Pre-AP English 10, *Must take the AP exam at the end of the year to receive the extra quality point.*
Students may obtain credit and/or appropriate placement at participating colleges upon successful scores on the AP exam. Each college requires a different score, please check with individual colleges.

This course engages students in becoming skilled readers and writers. Students will analyze the interactions among a writer’s purpose, audience, expectations, and subjects. Students will also analyze the conventions and the resources of language that contribute to effective writing.

AP LITATURE/COMPOSITION II (517040)
Course Length: one year
Grade: 12
Credit: 1 credit
Prerequisite: *Must take the AP exam at the end of the year to receive the extra quality point.* Students may obtain credit and/or appropriate placement at participating colleges upon successful scores on the AP exam. Each college requires a different score, please check with individual colleges.

This course focuses on reading, analyzing, and writing about imaginative literature (fiction, poetry, drama) from various periods. The course engages students in the close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work’s structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works.

ENGLISH 12 (413000)
Course length: one year
Grade: 12
Credit: 1 credit

English 12 is designed to increase proficiency in analysis, reading and writing skills, and to build an appreciation for reading. Literary and rhetorical analysis is emphasized in reading and writing. A review of grammar concepts and an enhancement of student vocabulary will take place throughout the year. Finally, the student will learn to critically weigh evidence and engage in reasoned argumentation after synthesizing various sources and perspectives.

COMPOSITION I (519940)
Course length: one semester
Grade: 12
Credit: 1 credit
Prerequisite: *Must have a 19 in English and Reading on the ACT to take the course.*

This course is designed primarily to develop in the student’s ability to think coherently and to write clearly and effectively, to increase knowledge of the structure of language, and to read with understanding and appreciation. This course includes the study of modes of discourse and application of those modes in the short essay. Three hours of college credit is given from College of the Ouachita’s when the student earns a C or better.
COMPOSITION II (519900)
Course length: one semester
Grade: 12
Credit: 1 credit
Prerequisite: Must have a C or better in Composition I

This course is designed to refine the ability to think logically and coherently, to write clearly and effectively, to gain further knowledge of the structure of the language, and to read with understanding, critical acumen, and appreciation. Furthermore, the class will help students understand audience and work toward developing a fully-documented research paper in MLA format that demonstrates mastery of thesis statement, organization, quotes, summarizing, paraphrasing, and editing of the written work. The study of short stories, poetry, drama, and essays provides topical ideas for more lengthy and scholarly essays (500-1000 words) using accepted documentation formats. Three hours of college credit is given from College of the Ouachita’s when the student earns a C or better.

RESOURCE HIGH SCHOOL ENGLISH (972100)
Course length: one year
Grade: 9, 10, 11, 12
Credit: 1 credit

JOURNALISM I, II, III & IV (415000)
Course length: one year
Grades: 9, 10, 11, 12
Credit: 1 credit

Journalism is an elective introductory course that provides an overview of the basic aspects of journalism. This is a course for students who are already proficient at reading and writing. The successful completion of the course is a prerequisite for applying for production classes in yearbook and/or newspaper. The aim of the class is for students to become better consumers of all types of news sources, as well as to become qualified to work on the school newspaper and/or yearbook. This course is designed to teach students the importance of accuracy, responsibility, and fairness in the media. Students study the importance of a free but responsible press in a democracy. Students become more perceptive viewers, readers, listeners, and writers of news. Students receive guided instruction in the major types of journalistic writing: news, feature, editorials, sports, columns, and reviews. They learn to conduct interviews and improve note taking skills. They learn to write headlines and captions. Students learn the basics of photo composition and yearbook production and design mock yearbook pages. Students learn the importance of editing and revising their writing for both style and structure. Emphasis is placed on the importance of careful editing for conventions, especially in word usage, spelling, punctuation and grammar. These skills emphasize the school goal of improving writing across the curriculum.

YEARBOOK I (51503Y)
Course length: one year
Grade: 10, 11, 12
Prerequisite: Journalism I with a B average

Yearbook is an elective course that provides students with marketable experience in print media publishing. This course solely works toward the completion and sales of a large, finished product, known as the “Magnet Cove Lodestone.” This class is different from most courses taught at school, because we are an operational business, maintaining a bank account that must balance out at the end of the year. Students will be composing, constructing and editing all elements of computerized text layout, graphic art and digital photography. You will learn clerical operations, design announcements, maintain signs, conduct student polls and assist our contracted photographer. Students are responsible for creativity, making deadlines, taking care of equipment, selling and designing advertisements, and working until it is complete.

YEARBOOK II (51504Y)
Course length: one year
Grades: 11, 12
Prerequisite: Yearbook I

Yearbook II is an elective course that provides students with marketable experience in print media publishing. This course solely works toward the completion and sales of a large, finished product, known as the “Magnet Cove Lodestone.” This class is different from most courses taught at school, because we are an operational business, maintaining a bank account
that must balance out at the end of the year. Students will be composing, constructing and editing all elements of computerized text layout, graphic art and digital photography. You will learn clerical operations, design announcements, maintain signs, conduct student polls and assist our contracted photographer. Students are responsible for creativity, making deadlines, taking care of equipment, selling and designing advertisements, and working until it is complete.

**YEARBOOK III (51505Y)**
Course length: one year
Grades: 12
Prerequisite: **Yearbook II**

Yearbook III is an elective course that provides students with marketable experience in print media publishing. This course solely works toward the completion and sales of a large, finished product, known as the “Magnet Cove Lodestone.” This class is different from most courses taught at school, because we are an operational business, maintaining a bank account that must balance out at the end of the year. Students will be composing, constructing and editing all elements of computerized text layout, graphic art and digital photography. You will learn clerical operations, design announcements, maintain signs, conduct student polls and assist our contracted photographer. Students are responsible for creativity, making deadlines, taking care of equipment, selling and designing advertisements, and working until it is complete.

**ORAL COMMUNICATIONS (414010)**
Course length: one semester or one year
Grade: 9, 10, 11, 12
Credit: ½ or 1 credit

The two-semester Oral Communication course will provide students with an understanding of the dynamics of effective communication when speaking, listening, and responding. Students will express ideas and present information in a variety of communication tasks including small group discussion, democratic decision-making, formal and informal presentations, oral interpretation of literature, and argumentation. Students will develop basic communication competencies including ethical practices in communication; recognition of communication barriers; and effective use of interpersonal communication, listening, verbal and nonverbal messages, and use of digital media. Emphasis will be placed on research skills as students prepare for formal presentations and argumentation. The two-semester course of Oral Communication fulfills the ½ unit of Oral Communication for graduation.

**FINE ARTS**

**ART I (450000)**
Course length: one year
Grade: 9-12
Credit: 1 credit

Art I is a two-semester course designed to teach students to apply the elements of art and principles of design to the creative process. Art I students are expected to use a variety of media, techniques, processes, and tools to compose original works of art that demonstrate understanding of the elements of art and principles of design, awareness of aesthetic concerns, and the ability to communicate ideas through artwork. Students will critique and reflect on their artwork and the art of others. Students will exhibit artwork and will assemble portfolios that demonstrate successful completion of Art I student learning expectations.

**ART II (450030)**
Course length: one year
Grade: 10-12
Credit: 1 credit
Prerequisite: **Art I**

Art II is a two-semester course designed for students who have successfully completed Art I. Art II students shall further expand their knowledge of the elements of art and principles of design through the research, production, and criticism of
visual art. Students are expected to use a broad variety of media, techniques, processes, and tools to create original, complex compositions that reflect personal growth, solve visual art problems, and communicate ideas. Students will critique artwork and reflect on the impact of art upon society as well as societal influences on art. Students will exhibit artwork and will assemble portfolios that reflect personal growth and demonstrate successful completion of Art II student learning expectations. Art I is a prerequisite for this course.

**ART III (450040)**
Course length: one year
Grade: 11-12
Credit: 1 credit
**Prerequisite:** Art I & II

Art III is a two-semester course designed for students who have successfully completed Art II. Art III students will create artworks that demonstrate increasing ability to apply knowledge of the elements of art and principles of design in the research, production, and criticism of visual art. Students are expected to use a broad variety of media, techniques, processes, and tools to create original, complex compositions that are more expressive, to demonstrate internalization of art foundations, and to solve more complex art problems throughout the creative process. Students will critique artwork to gain a deeper understanding of the impact of art upon society as well as societal influences on art. Students will exhibit artwork and will assemble portfolios that reflect personal growth across a breadth of media, demonstrating successful completion of Art III student learning expectations.

**ART IV (450050)**
Course length: one year
Grade: 12
Credit: 1 credit
**Prerequisite:** Art I, II & III

Art IV is a two-semester course designed for students who have successfully completed Art III. Art IV Art IV is an independent study course whereby the student is able to plan and implement art projects of his/her choice

**Survey of Art 2D (450080)**
Course length: one semester
Grade: 10, 11, 12
Credit: ½ credit
**Prerequisite:** Art I

Studio Art 2-D is a one-semester course designed for students who have successfully completed Art I. Studio Art 2-D is a course in which students further explore, apply, and move toward mastery of the elements of art and principles of design in specific areas of art, such as painting, drawing, printmaking, digital art, photography, mixed media, surface design, or other 2-D media. Student art will demonstrate evidence of complex problem-solving skills, higher order thinking, risk taking, imagination, and innovation. Students will exhibit art and will assemble portfolios that reflect personal growth in media, techniques, processes, and tools used to create complex 2-D compositions. Student compositions will cover a breadth of media and subject matter and will demonstrate successful completion of Studio Art 2-D student learning expectations.

**Survey of Art 3D (450090)**
Course length: one semester
Grade: 10, 11, 12
Credit: ½ credit
**Prerequisite:** Art I

Studio Art 3-D is a one-semester course designed for students who have successfully completed Art I. Studio Art 3-D is a course in which students further explore, apply, and move toward mastery of the elements of art and principles of design in specific areas of art, such as ceramics, jewelry, mosaics, fiber arts, sculptures, mixed media, altered books, or other 3-D media. Student art will demonstrate evidence of complex problem-solving skills, higher order thinking, risk taking, imagination, and innovation. Students will exhibit art and will assemble
portfolios that reflect personal growth in the media, techniques, process, and tools used to create complex 3-D compositions. Student compositions will cover a breadth of media and subject matter and will demonstrate successful completion of Studio Art 3-D student learning expectations.

**BAND I (451000)**
Course length: one year
Grade: 9
Credit: 1 credit

Band I is a two-semester course designed to teach students music fundamentals and instrumental techniques pertaining to brass, woodwind, percussion, and/or string instruments. Band I students are expected to develop beginning performance techniques in solo, small group, and large group settings, with emphasis on reading and performing using appropriate articulation, dynamics, and interpretive skills. Students will perform instrumental music in a variety of settings including, but not limited to, concerts, solo and ensemble performances, and festivals. Students will critique and reflect on their own performances and the performances of others. Students will make connections between music traditions and other arts, disciplines, and cultures. Students will apply rudiments of music and fundamentals of creative expression to performance and will demonstrate successful completion of Band I student learning expectations.

**BAND II (451040)**
Course length: one year
Grade: 10-12
Credit: 1 credit

*Prerequisite:* Band I

Band II is a two-semester course designed for students who have successfully completed Band I. Band II students shall further expand their knowledge of music fundamentals and instrumental techniques pertaining to brass, woodwind, percussion, and/or string instruments. Students are expected to develop advanced performance techniques in solo, small group, and large group settings, with greater emphasis on reading and performing using appropriate articulation, dynamics, and interpretive skills. Band II students will critique instrumental music performances and reflect upon the instrumental music upon society as well as societal influences on instrumental music. Students will regularly perform instrumental music in a variety of settings including, but not limited to, concerts, solo and ensemble performances, and festivals and will demonstrate successful completion of Band II student learning expectations.

**BAND III (451050)**
Course length: one year
Grade: 11-12
Credit: 1 credit

*Prerequisite:* Band I & II

Band III is a two-semester course designed for students who have successfully completed Band II. Band III students will demonstrate an ability to apply music fundamentals and instrumental techniques pertaining to brass, woodwind, percussion, and/or string instruments in the research, production, performance, and criticism of instrumental music. Students are expected to apply sight-reading skills, improvisational skills, and advanced performance techniques in solo, small group, and large group settings. Band III students will critique instrumental music performances and deeply reflect upon the impact of instrumental music upon society as well as societal influences on instrumental music. Students will regularly perform instrumental music in a variety of settings including, but not limited to, concerts, solo and ensemble performances, and festivals and will demonstrate successful completion of Band III student learning expectations.

**BAND IV (451060)**
Course length: one year
Grade: 12
Credit: 1 credit

*Prerequisite:* Band I, II &III

Band IV is a two-semester course designed for students who have successfully completed Band III. Band IV students will internalize music fundamentals and instrumental techniques pertaining to brass, woodwind, percussion, and/or string instruments in the research, production, performance, and criticism of instrumental music. Students are expected to further develop sight-reading and improvisational skills and to apply advanced performance techniques in solo, small group, and
large group settings. Band IV students will critique instrumental music performances to a degree that an understanding of the interdependence between instrumental music and society is demonstrated. Band IV students will regularly perform instrumental music in a variety of settings including, but not limited to, concerts, solo and ensemble performances, and festivals and will demonstrate successful completion of Band IV student learning expectations.

**CHOIR I (452000)**
Course length: one year  
Grade: 9-12  
Credit: 1 credit

Choir I is a two-semester course designed to teach students music fundamentals and vocal music techniques. Choir I students are expected to develop beginning performance techniques in solo, small group, and large group settings, with emphasis on reading and performing vocally using appropriate articulation, dynamics, and interpretive skills. Students will critique and reflect on their own performances and the performances of others. Students will perform vocal music in a variety of settings including, but not limited to, concerts, solo and ensemble performances, and festivals. Students will make connections between music traditions and other arts, disciplines, and cultures. Students will apply rudiments of vocal music and fundamentals of creative expression to performance and will demonstrate successful completion of Choir I student learning expectations.

**CHOIR II (452040)**
Course length: one year  
Grade: 10-12  
Credit: 1 credit  
**Prerequisite:** Choir I

Choir II is a two-semester course designed for students who have successfully completed Choir I. Choir II students shall further expand their knowledge of music fundamentals and vocal techniques. Students are expected to develop advanced performance techniques in solo, small group, and large group settings with greater emphasis on reading and performing vocally using appropriate articulation, dynamics, and interpretative skills. Choir II students will critique vocal music performances and reflect upon the impact of vocal music upon society as well as societal influences on vocal music. Students will regularly perform vocally in a variety of settings including, but not limited to, concerts, solo and ensemble performances, and festivals and will demonstrate successful completion of Choir II student learning expectations.

**CHOIR III (452050)**
Course length: one year  
Grade: 10-12  
Credit: 1 credit  
**Prerequisite:** Choir I & II

Choir III is a two-semester course designed for students who have successfully completed Choir II. Choir III students will demonstrate an ability to apply music fundamentals and vocal techniques in the research, production, performance, and criticism of vocal music. Students are expected to apply sight-reading skills, improvisational skills, and advanced performance techniques in solo, small group, and large group settings. Choir III students will critique vocal music performances and deeply reflect upon the impact of vocal music upon society as well as societal influences on vocal music. Students will regularly perform vocally in a variety of settings including, but not limited to, concerts, solo and ensemble performances, and festivals and will demonstrate successful completion of Choir III student learning expectations.

**CHOIR IV (452060)**
Course length: one year  
Grade: 12  
Credit: 1 credit  
**Prerequisite:** Choir I, II &III

Choir IV is a two-semester course designed for students who have successfully completed Choir III. Choir IV students will demonstrate an ability to apply music fundamentals and vocal techniques in the research, production, performance, and criticism of vocal music. Students are expected to apply sight-reading and improvisational skills, and to apply advanced performance techniques in solo, small group, and large group settings with greater depth. Choir IV students will critique
vocal music performances to a degree that an understanding of the interdependence between vocal music and society is demonstrated. Students will regularly perform vocally in a variety of settings including, but not limited to, concerts, solo and ensemble performances, and festivals and will demonstrate successful completion of Choir IV student learning expectations.

**MATHEMATICS**

**ALGEBRA I (430000)**
Course length: one year
Grade: 9
Credit: 1 credit

Students should be able to describe and translate among graphic, algebraic, numeric, tabular, and verbal representations of relations and use those representations to solve problems. The process of collecting and analyzing data should be embedded throughout this course. Appropriate technology and manipulatives should be used regularly for instruction and assessment. Students should be able to judge the meaning, utility, and reasonableness of the results of symbol manipulations, including those carried out by technology.

**ALGEBRA II (432000)**
Course length: one year
Grade: 11, 12
Credit: 1 credit
*Prerequisite*: Algebra I

Algebra II is designed for students who have successfully completed Algebra I (or its equivalent). Algebra II will build on the basic concepts presented in Algebra I to encourage higher order thinking. Algebra II students will represent and analyze mathematical situations. The students will analyze and apply a variety of methods to model and graph linear and nonlinear equations and inequalities. Students will also use algebraic, graphical, and numerical methods for analysis of quadratic equations and functions and polynomials and rational functions. Exponential functions, logarithmic functions, data analysis, and probability will be explored in Algebra II.

**PRE-AP ALGEBRA II (43200H)**
Course length: one year
Grade: 10
Credit: 1 credit
*Prerequisite*: Algebra I in the 8th grade

Pre-AP Algebra II is for students who had Algebra I in the 8th grade. This course will represent and analyze mathematical situations. Students will go a faster pace and will analyze and apply a variety of methods to model and graph linear and nonlinear equations an inequalities. Students will also use algebraic, graphical, and numerical methods for analysis of quadratic equations and functions and polynomials and rational functions. Exponential functions, logarithmic functions, data analysis, and probability will be explored in Algebra II.

**BRIDGE TO ALGEBRA II (435000)**
Course length: one year
Grade: 11, 12
Credit: 1 credit
*Prerequisite*: Students must have successfully completed coursework for Algebra I, but not Algebra II. Students may enroll concurrently with Geometry but not concurrently with Algebra II.

Bridge to Algebra II was developed with the intent to provide students who have completed Algebra I, under the 2004, amended 2006, Arkansas Mathematics Curriculum Framework (AMCF), with the additional math foundation they need to be successful in a Common Core State Standards for Mathematics (CCSS-M) Algebra II course. Each student’s learning expectation for Bridge to Algebra II is intended to: reinforce linear concepts that were previously included in the Algebra I Course; master quadratics and exponential concepts not included within the Arkansas Department of Education Algebra I Curriculum Framework through modeling functions and summarizing, representing, and interpreting data; or Introduce higher order concepts to prepare students for success in CCSS-M Algebra II.
GEOMETRY (431000)
Course length: one year
Grade: 10, 11
Credit: 1 credit
Prerequisite: Algebra I

Geometry is a course that follows Algebra I. Students study the basic geometric figures while developing an understanding of the formal structure and proof of geometry. This course helps students develop skills in logical thinking needed in higher mathematics.

PRE-AP GEOMETRY (43100P)
Course length: one year
Grade: 9
Credit: 1 credit
Prerequisite: Algebra I in 8th Grade

The student studies the basic geometric figures while developing an understanding of the formal structure of mathematics. This course helps students develop the skills in logical thinking which are needed in higher mathematics. Pre-AP Geometry is recommended for college bound students. This course is required for honor graduate status.

PRE-CALCULUS (433000)
Course length: one year
Grade: 11, 12
Credit: 1 credit
Prerequisite: Algebra I, Geometry and Algebra II

Pre-Calculus including trigonometry is designed for students who have successfully completed Algebra II and Geometry. Students will use symbolic reasoning and analytical methods to represent mathematical situations, to express generalizations, and to study mathematical concepts and the relationships among them. Students will use functions and equations as tools for expressing generalizations. This course will emphasize a study of trigonometric functions and identities as well as applications of right triangle trigonometry and circular functions. Students will be introduced to polar coordinates in this class. Arkansas teachers will be responsible for integrating appropriate technology in the Pre-Calculus curriculum.

AP CALCULUS AB (534040) - Offered through Virtual Arkansas Only
Course length: one year
Grade: 11, 12
Credit: 1 credit
Prerequisite: Pre-Calculus * Must take the AP exam at the end of the year to receive the extra quality point.

Students may obtain credit and/or appropriate placement at participating colleges upon successful scores on the AP exam. Each college requires a different score, please check with that college.

Calculus is a two-semester course designed to provide students with experience in the methods and applications of calculus and to develop an understanding of its concepts. This course emphasizes a multi-representational approach to Calculus, with concepts, results, and problems being expressed graphically, numerically, symbolically, analytically, and verbally through the use of unifying themes of derivatives, integrals, limits, application and modeling, and approximation. This course is a study of limits, the derivative and its applications, anti-differentiation, the integral and its applications, and the Fundamental Theorem of Calculus. AP Calculus is recommended for college bound students and the pace of the course will require commitment to personal achievement, academic independence and self-motivation.

RESOURCE HIGH SCHOOL MATH (972300)
Course length: one year
Grade: 9, 10, 11, 12
Credit: 1 credit
ALGEBRA III (439070)
Course length: one year
Grade: 11, 12
Credit: 1 credit
Prerequisite: Algebra I, Geometry and Algebra II

This course will enhance the higher level thinking skills developed in Algebra II through a more in-depth study of those concepts and exploration of some pre-calculus concepts. Students in Algebra III will be challenged to increase understanding of algebraic, graphical, and numerical methods to analyze, translate and solve polynomial, rational, exponential, and logarithmic functions. Modeling real world situations is an important part of this course. Sequences and series will be used to represent and analyze real world problems and mathematical situations. Algebra III will also include a study of matrices and conics.

TRANSITIONAL MATH 11 OR 12 (439110) - Offered through Virtual Arkansas Only
Course length: one year
Grade: 11, 12
Credit: 1 credit

Transitional Math Ready focuses on the key readiness standards from the Common Core State Standards as well as the eight Standards of Mathematical Practice. The course addresses some of the essential college- and career-readiness standards from Algebra I, Geometry, and Algebra II. Schools offering Transitional Math Ready must fully instruct students in the following Southern Regional Educational Board (SREB) Math Ready Modules using the SREB curriculum:

- Unit 1: Algebraic Expressions
- Unit 2: Equations
- Unit 3: Measurement and Proportional Reasoning
- Unit 4: Linear Functions
- Unit 5: Linear Systems of Equations
- Unit 6: Quadratic Functions
- Unit 7: Exponential Functions

Students who enroll in this course must be in grade 11 or 12 and have successfully completed Algebra II or be currently enrolled in Algebra II. Students successfully completing Transitional Math Ready shall receive a fourth mathematics credit that meets the Smart Core requirement of a math beyond Algebra II.

SCIENCES

PHYSICAL SCIENCE (423000)
Course length: one year
Grade: 9
Credit: 1 credit

Physical science should begin the study of higher-level physics and chemistry and continue educating the student in the nature of science. A student who masters these Student Learning Expectations should transition smoothly into other science courses. Students should be expected to use suitable mathematics and collect and analyze data. Instruction and assessment should include both appropriate technology and the safe use of laboratory equipment. Students should be engaged in hands-on laboratory experiences at least 20% of the instructional time.

BIOLOGY (420000)
Course length: one year
Grade: 10
Credit: 1 credit

Biology should investigate the chemistry and role of cells in life processes, genetics, evolution and the diversity of life. Students should learn about the world through the study of behavioral relationships, ecology, and the global impact of
ecological issues. Biology should continue to educate the student in the nature of science. Students should be expected to spend time viewing and classifying life forms. Field studies should be an integral part of the course as well as the process of collecting and analyzing data. Instruction and assessment should include both appropriate technology and the safe use of laboratory equipment. Students should be engaged in hands-on laboratory experiences at least 20% of the instructional time.

PRE-AP BIOLOGY (42000P)
Course length: one year
Grade: 10
Credit: 1 credit
Prerequisite: Honors Track and B or better in Physical Science

This course is designed to broaden the students’ understanding of the methods of science, the fundamental processes of life, to gain a foundation for the critical examination and evaluation of biological problems and the impact of new technologies on humans and their environment, and to develop the students’ learning skills which will be invaluable in both the sciences and other courses of study. This course is recommended for students who plan to take AP biology and to attend a post-secondary school. Topics include: ecology, chemistry/biochemistry, cell structure, function and reproduction, genetics, DNA, evolution, classification, survey of plants and animals, and human anatomy and physiology. Instruction and assessment should include both appropriate technology and the safe use of laboratory equipment. Students should be engaged in hands-on laboratory experiences at least 20% of the instructional time. Students will cover concepts at a greater pace and emphasis on critical thinking and reasoning are necessary.

CHEMISTRY (421000)
Course length: one year
Grade: 11, 12
Credit: 1 credit
Prerequisite: Algebra II or in Algebra II

Chemistry should explore the composition of matter through its properties, its atomic structure, and the manner in which it bonds and reacts with other substances. Students should be expected to use suitable mathematics and collect and analyze data. Instruction and assessment should include both appropriate technology and the safe use of laboratory equipment. Students should be engaged in hands-on laboratory experiences at least 20% of the instructional time.

PRE-AP CHEMISTRY (42100H)
Course length: one year
Grade: 11, 12
Credit: 1 credit
Prerequisite: Algebra II and B average in Physical Science must have 10 or more for the class to make.

Chemistry should explore the composition of matter through its properties, its atomic structure, and the manner in which it bonds and reacts with other substances. Students should be expected to use suitable mathematics and collect and analyze data. Instruction and assessment should include both appropriate technology and the safe use of laboratory equipment. Students should be engaged in hands-on laboratory experiences at least 20% of the instructional time. Students will cover concepts at a greater pace and emphasis on critical thinking and reasoning are necessary.

AP CHEMISTRY (521030)
Course length: one year
Grade: 11, 12
Credit: 1 credit
Prerequisite: * Must take the AP exam at the end of the year to receive the extra quality point. Students may obtain credit and/or appropriate placement at participating colleges upon successful scores on the AP exam. Each college requires a different score, please check with individual colleges.

This course engages students in the close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work’s structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing
Assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works.

**PHYSICS (422000) Offered through Virtual Arkansas Only**
Course length: one year  
Grade: 11, 12  
Credit: 1 credit  
**Prerequisite:** Must have had Algebra II

Physics should ground students in the five traditional areas of Physics (Newtonian mechanics, thermodynamics, optics, electricity and magnetism, and quantum mechanics) as well as the nature of science. It should provide the knowledge base needed for many college programs. Students should be expected to use higher-level mathematics and collect and analyze data. Instruction and assessment should include both appropriate technology and the safe use of laboratory equipment. Students should be engaged in hands-on laboratory experiences at least 20% of the instructional times.

**ENVIRONMENTAL SCIENCE (424010) Offered through Virtual Arkansas Only**
Course length: one year  
Grade: 11, 12  
Credit: 1 credit

Environmental science will examine the physical and biological dynamics of Earth. Students will analyze the impact of human activities on the environment. Field studies, as well as the collection and analysis of data, will be integral part of the course. Instruction and assessment will include both appropriate technology and the safe use of laboratory equipment. Instruction and assessment should include both appropriate technology and the safe use of laboratory equipment. Students should be engaged in hands-on laboratory experiences at least 20% of the instructional time.

**AP BIOLOGY (520030)**
Course length: one year  
Grade: 11, 12  
Credit: 1 credit  
**Prerequisite:** Pre-AP Biology and C or better in Chemistry  
* Must take the AP exam at the end of the year to receive the extra quality point

Students may obtain credit and/or appropriate placement at participating colleges upon successful scores on the AP exam. Each college requires a different score, please check with that college. This is a college level course based on the AP syllabus. It is divided into three areas: molecular biology and cells, organisms and population, and heredity and evolution. All major topics are accompanied by laboratory experiments. Students must be highly motivated and self-directed. This is a challenging, in-depth study of the concepts and principles of biology. The relationship of structure, function, and biochemistry of living organisms is integrated to develop the biological knowledge pertinent to the individual’s well-being and to the pursuit of science. Emphasis is placed on laboratory investigations and the use of problem-solving skills. Instruction and assessment should include both appropriate technology and the safe use of laboratory equipment. Students should be engaged in hands-on laboratory experiences at least 20% of the instructional time. Students will cover concepts at a greater pace and emphasis on critical thinking and reasoning are necessary.

**ANATOMY & PHYSIOLOGY (424030)**
Course length: one year  
Grade: 11, 12  
Credit: 1 credit

This advanced course concentrates on human anatomy and physiology. As the structures and functions of the body systems are covered in class discussion, detailed dissection of an advanced animal is included. This course is for students interested in a medical field or planning to study advanced biological sciences in college.
ASTRONOMY & GEOLOGY (525010)
Course length: one year
Grade: 11,12
Credit: 1 credit

Astronomy is a one semester course that acquaints students with astronomy concepts including basis facts about the Earth, moon and stars. Also included for study are galaxies, cosmology and space exploration. Lab time will include but not be limited to the planetarium. Geology is a one semester course that includes the study of the formation of the Earth, the rocks and minerals which compose it, the processes which are constantly changing it, the concepts of relative and absolute time, the risks associated with geologic hazards and the role of geology in shaping man’s environment.

HISTORY

WORLD HISTORY (471000)
Course length: one year
Grade: 10
Credit: 1 credit

World History is a course designed to develop greater understanding of the evolution of global processes, contacts, and interaction with different types of human societies. World History provides a study of the history of human society from early civilization to the contemporary period, examining major themes and relationships between major civilizations throughout the world. These themes include the impact of interaction among major societies through political, economic, social, religious, military, scientific, and cultural developments. Students will analyze and interpret a variety of historical resources using primary and secondary sources, maps, and pictorial and graphic evidence of historical events. This course stresses application, problem-solving, higher-order thinking skills, and use of classroom performance-based/open-ended assessments with rubrics.

AMERICAN HISTORY (470000)
Course length: one year
Grade: 11
Credit: 1 credit

American History (United States History) examines time periods from the first European explorations of the Americas to present day. Political, military, scientific, economic, and social developments are covered in the historical overview. Students will analyze and interpret a variety of historical resources and use primary and secondary sources, maps, and pictorial and graphic evidence of historical events. This course stresses application, problem-solving, higher-order thinking skills, and use of classroom performance-based/open-ended assessments with rubrics.

AP UNITED STATES HISTORY (570020)
Course length: one year
Grade: 11, 12
Credit: 1 credit

Prerequisite: * Must take the AP exam at the end of the year to receive the extra quality point. Students may obtain credit and/or appropriate placement at participating colleges upon successful scores on the AP exam. Each college requires a different score, please check with individual colleges.

In AP U.S. History students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; making historical comparisons; utilizing reasoning about contextualization, causation, and continuity and change over time; and developing historical arguments. The course also provides seven themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; migration and settlement; politics and power; work, exchange, and technology; America in the world; geography and the environment; and culture and society.
CIVICS (472000)
Course length: one semester
Grade: 9, 10, 11, 12
Credit: ½ credit
NOTE: This Course now REQUIRES the passing of the U.S. Naturalization Test for graduation starting with the Class of 2019

Civics/American Government provides a study of the structure and functions of the United States government, the government of Arkansas, and political institutions. Civics/American Government examines constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, and the importance of civic participation in the democratic process. This course stresses application, problem-solving, higher-order thinking skills, and the use of classroom performance-based/open-ended assessments with rubrics.

ECONOMICS (474300)
Course length: one semester
Grade: 9, 10, 11, 12
Credit: ½ credit

Economics is a one-semester course that emphasizes economic fundamentals, microeconomics, macroeconomics, and personal financial management. Students will explore the interrelationships among the roles played by consumers, producers, capital, land, and labor as well as the interrelationships among economic, political, and social lives. Additionally, students will examine the relationship between individual choices and the direct influence of these choices on occupational goals and future earnings potential. Economics stresses application, problem-solving, higher-order thinking skills, and use of classroom performance-based, open-ended assessments with rubrics.

ELECTIVES

PHYSICAL EDUCATION (485000) May Only Take Once
Course length: one semester
Grade: 9-12
Credit: ½

Physical Education is a semester course that includes a planned curriculum which provides content and learning experiences in basic motor skills, movement patterns, and movement concepts as they apply to physical activity and health-related physical fitness, as well as lifetime sports and recreation. This course encompasses the Physical Education and Leisure Content Standards defined by the Arkansas.

ATHLETICS

The athletic program is designed to provide students with the opportunity to participate in a variety of sports. We are interested in those students who are willing to engage in co-curricular activities to represent our school system in competitive events. Students must be eligible for interscholastic competition in accordance with the Arkansas Activities Association (*2.0 GPA) as well as those put forth by the Arkansas Department of Education. *If below a 2.0 Supplemental Instruction will be necessary in order to participate. All athletes must have a physical exam before participation in competitive sports. Off-season programs will be offered throughout the school year. Students are expected to participate in the off-season. Drug testing has been established at Magnet Cove High School as of 2012-13 school year. Random drug tests are administered throughout the school year.

JUNIOR GIRLS ATHLETICS (99982J-1)
JUNIOR BOYS ATHLETICS (99982J-2)
SENIOR GIRLS ATHLETICS (99982S-1)
SENIOR BOYS ATHLETICS (99981S-2)

NOTICE: Students in track, baseball or softball only meet after or before school.
CAREER & TECHNICAL ELECTIVES

AGRICULTURE

SURVEY OF AGRICULTURE (491160)
Course length: one year
Grade: 9-12
Credit: 1 credit
This is the foundation course for the Agriculture Department. Students will be introduced to several aspects of the agriculture industry as well as the FFA program. Topics covered include: animal science, plant science, leadership, agriculture business, food science and technology, natural resources, biotechnology and power, and structural technical systems.

GREENHOUSE MANAGEMENT (491270)
Course length: one semester
Grade: 10-12
Credit: ½ credit
Prerequisite: Survey of Agriculture
This course offers the serious horticulture student an in-depth study of greenhouse management practices. Structural considerations are covered, as well as plant propagation techniques, pesticide use and marketing strategies. The student will receive ample opportunity to practice the skills learned during the course.

VEGETABLE & FRUIT PRODUCTION (491130)
Course length: one semester
Grade: 10-12
Credit: ½ credit
Prerequisite: Survey of Agriculture
This course will offer hands-on experience growing and managing fruit and vegetable crops. Students will be involved in every aspect of taking a crop from seed to harvest working in the greenhouse and the school garden. Students need to be prepared to work outside and get dirty! Students enrolled in Vegetable & Fruit Production will be required to work a minimum of 3 hours during the spring plant sale. These hours may be worked before/after school or on the selected Saturdays in April that the sale takes place. Failure to complete these hours will affect nine weeks/semester grade.

AGRICULTURAL MECHANICS (491390)
Course length: one year
Grade: 11-12
Credit: 1 credit
Prerequisite: Survey of Agriculture
This course connects scientific principles with mechanical skills. The course will develop understanding and skills in the traditional areas of agricultural mechanics including the following: safety, metal technology, small engines, graphics, tool maintenance, woodworking, concrete and masonry, electricity, plumbing and surveying. Supervised experience and FFA will be integrated, as appropriate throughout.
ANIMAL SCIENCE I/II (491180)
Course length: one year
Grade: 10, 11, 12
Credit: 1 credit
Prerequisite: Survey of Agriculture

The Animal Science course encompasses the study of animal systems, including content areas such as life processes, health, nutrition, genetics, management and processing, as applied to small animals, aquaculture, exotic animals, livestock, dairy, horses and/or poultry.

PLANT SCIENCE I & II/AQUAPONICS (491340)
Course Length: one year
Grade: 10, 11, 12
Credit: 1 credit
Prerequisite: Survey of Agriculture

This course covers the relationship between plants and people, plant morphology and physiology, plant production, the environment, soil, careers in plant science, and other related areas. The Plant Science course encompasses the study of plant life cycles, classifications, functions, structures, reproduction, media and nutrients, as well as growth and cultural practices through the study of crops, turf grass, trees, shrubs, and/or ornamental plants.

AGRICULTURAL BUSINESS (491030) Virtual Arkansas Only
Course Length: one year
Grade: 10, 11, 12
Credit: 1 credit
Prerequisite: Survey of Agriculture

This course covers the principles of agribusiness including ways of doing business in a free market economic system, entrepreneurship, business start-up, business plans, management, facility needs, legal aspects and tax responsibilities, personnel and ethics.

BUSINESS

COMPUTER BUSINESS APPLICATIONS (492120)
Course length: one year
Grade: 9,10,11,12
Credit: 1 credit

Computerized Business Applications is a course designed to prepare students with an introduction to business applications that are necessary to live and work in a technological society. Emphasis is given to hardware, concepts, and business uses of applications. The business applications covered are word processing, database, spreadsheet, telecommunications and presentation.

SOCIAL MEDIA & COMMUNICATIONS (492760 )
Course length: one year
Grade: 10, 11, 12
Credit: 1 credit
Prerequisite: Computer Business Applications

This is a two semester project-based course that will enhance technology skills, job search and employability skills along with communication skills. Students will create online electronic career portfolio focused on an individual career path, create social media and viral marketing campaigns, participate in video conferencing, cloud-based collaboration, and learn and practice other workplace related communication technologies and channels. Students will apply verbal and non-verbal communication skills related to both spoken and written communications; technology will be used to enhance these skills. Productivity programs and apps will be used to teach time management, organization and collaboration skills, cloud storage...
and computing. Students will also create career-related documents according to professional layout and design principles, and will also learn the photo and video editing skills needed to create promotional and informational business communications and viral marketing campaigns.

**MEDICAL OFFICE MANAGEMENT (492690)**
Course length: one year
Grade: 10, 11, 12
Credit: 1 credit
*Prerequisite: Computer Business Applications*

This course is designed to teach students concepts and skills that will be applied in the management and administration of a medical office. The course will focus on careers in the medical office environment, office management skills, patient billing and collections, patient/client service skills, ethics, medical terminology, and health information management.

**FAMILY AND CONSUMER SCIENCES**

**FAMILY AND CONSUMER SCIENCES (493080)**
Course length: one year
Grade: 9, 10, 11, 12
Credit: 1 credit

Family and Consumer Science is designed to provide students with basic information and skills needed to function effectively within the family and within a changing, complex society. Emphasis is given to the development of competencies related to Family, Career, and Community Leaders of America; individual and family relationships, housing and interior design: wardrobe planning and selection: garment care and construction; the physical, emotional, social and intellectual development of children; nutrition and food selection; healthy lifestyle choices; meal planning, preparation and service; home management; the application of current technology in the home and workplace.

**CHILD DEVELOPMENT (493020)**
Course length: one semester
Grade: 9, 10, 11, 12
Credit: ½ credit

Child development focuses on skills needed to guide the physical, intellectual, and social development of children. Emphasis is given to the development of competencies related to the study of children, pregnancy, and prenatal development, birth and the newborn, types of growth and development, stages of growth and development, rights and responsibilities of parents and children, needs of children, factors influencing the behavior of children, children with special needs, coping with crises, the effects of technology on child development, and careers related to the area of child development.

**PARENTING (493210)**
Course length: one semester
Grade: 9, 10, 11, 12
Credit: ½ credit

This course is designed to assist students in developing an understanding of the parenting process and of parenting skills. Competencies developed in this course will be useful to anyone who lives with, associates with, or works with children. Emphasis in this course is given to the development of competencies related to the parenthood decision, costs of having and rearing a child, the promotion of child growth and development, effects of heredity and environment on development, rights and responsibilities of parents and children, providing nurturance, guidance techniques for promoting positive behavior, prevention of child abuse and neglect, parenting problems, selection of child-care services, jobs and careers in child and family services.
FOOD SAFETY AND NUTRITION (493110)
Course length: one semester
Grade: 9, 10, 11, 12
Credit: ½ credit

This course focuses on the development of skills needed to select, prepare, and serve food which meets nutritional needs of individuals and families. Emphasis in this course is given to the development of competencies related to nutrition, weight control, the food consumer, the effect of technology on food and nutrition, kitchen organization and equipment, safety and sanitation, menu planning, serving and eating food, food preparation, eating away from home, and jobs and career opportunities in the field of food and nutrition.

HOUSING & INTERIOR DESIGN (493140)
Course length: one semester
Grade: 9, 10, 11, 12
Credit: ½ credit

Housing and Interior Design focuses on personal and family housing needs, options for meeting those needs, and the impact of the housing industry on the economy. Attention is given to student competencies addressing housing needs, trends, finance, construction and artful principles as applied to housing. Other topics emphasize competencies related to management of furnishings and appliances, conservation, green design, home technology, and career opportunities in housing. Students achieving these competencies will develop an appreciation for housing and interior design. Upon successful completion of the course, the student will be able to make informed decisions in securing and maintaining a personal or family home.

FINANCIAL LITERACY (493190)
Course length: one semester
Grade: 9, 10, 11, 12
Credit: ½ credit

NOTE: This Course is REQUIRED for graduation starting with the Class of 2021

This course is designed to increase financial literacy among high school students and prepare them to successfully manage their personal and family financial resources. Students learn to manage resources through hands-on applications that are relevant to their lives. Examples include employment related forms, spending plans, cost analysis, comparison shopping, individual and family scenarios, and the use of FCCLA Financial Fitness projects. Emphasis is given to the development of competencies related to life goals and decisions, preparing to earn, understanding your paycheck, financial planning and banking, insurance, credit, consumer skills, and housing and transportation costs. Upon successful completion of this course, students will have the ability to handle financial responsibilities effectively. Wise financial literacy certification test is included for this course.

CLOTHING MANAGEMENT (493030)
Course length: one semester
Grade: 9, 10, 11, 12
Credit: ½ credit

Experience in the Clothing Management course are designed to assist students in developing skills necessary for decision making as a clothing consumer and for understanding the role of the clothing and textile industry in the economy. Emphasis is given to the development of competencies related to clothing selection, clothing needs of family members, clothing care, characteristics of natural and synthetic fibers, types of fabrics and fabric finishes, laws and regulations related to the clothing and textiles industry, use and care of basic sewing supplies and equipment, fabric selection, clothing construction techniques, jobs and careers in clothing and textiles, computer use in clothing and textiles, and effects of technology on the clothing and textiles industry. Upon completion of this course, the student should acquire skills needed for clothing and textiles occupations and develop knowledge of the impact of technology on the clothing and textiles industry.
EAST

East focuses on student-driven service projects through the use of the latest in technology. EAST classes are equipped with state-of-the-art computers, audio/video equipment, including professional video editing suites, GPS/GIS, accessories and software, CAD design software, 3D animation suites, and much more. Students find problems in their local communities, and then use these tools to solve them. EAST focus, however, is not on technology itself, but on the unique learning environment of the EAST classroom. In EAST, students are responsible for creating their own lesson plans. There are no lectures and no tests, instead, the students are guided by an EAST facilitator. This radically different approach to learning shows tremendous results.

EAST WILL COUNT AS AN ELECTIVE FOR THE AGRICULTURE, BUSINESS AND FAMILY AND CONSUMER SCIENCE COMPLETER PROGRAM.

EAST I (460010) Grade: 9, 10, 11, and 12

EAST II (460011) Prerequisite: EAST I Grade: 10, 11, and 12

EAST III (460012) Prerequisite: EAST II Grade: 11, 12

EAST IV (460013) Prerequisite: EAST III Grade: 12
Welcome to Virtual Arkansas

Who are we? We are an Arkansas-based program that is implemented through a partnership between the Arkansas Department of Education and the Arkansas Education Service Cooperatives. We provide an array of quality digital courses to public school students in Arkansas and utilize Arkansas licensed instructors. Virtual Arkansas serves approximately 200 districts and over 30,000 student registrations. We are not an online high school or a diploma-granting institution but are a resource for supplementing education for public school students. Students who are enrolled in a public school may be enrolled in Virtual Arkansas courses by the local school administration.

Why are we here? Virtual Arkansas is committed to developing the full potential of Arkansas students by providing access to quality online courses that incorporate interactive instruction to prepare students to be successful in their college and career educational pursuits and in the global economy. School districts “Power Up with Virtual Arkansas” for a variety of reasons. A district may face a teacher shortage, or want to provide additional course scheduling opportunities to their students, or offer their students access to a digitally enriched curriculum, or to broaden their course offerings beyond those mandated by the Standards for Accreditation of Arkansas Public Schools. Finally, districts that partner with Virtual Arkansas will be satisfying the requirements of Act 1280, the Digital Learning Act.
520030 AP BIOLOGY MAY BE OFFERED FOR WEIGHTED CREDIT
TERM: YEAR  
CREDIT: 1
Pre-Requisites: Biology I, Chemistry I, Algebra I

This challenging course is designed to provide a college-level experience and prepare students for the AP exam in early May. Over two semesters, the students are engaged in a wide variety of activities, with substantial emphasis on interpreting and collecting data in virtual labs, writing analytical essays and mastering Biology concepts and connections. The key themes of the AP Biology course are: the scientific processes, the effects of science on technology and society, the chemistry and make up of living organisms, genetics, diversity, and evolution. Throughout this course you will be expected to answer questions, reflect on issues and complete lab activities. The primary emphasis is to develop an understanding of concepts rather than memorizing terms and technical details. The course will successfully prepare you for the AP Exam in May.

517030 AP ENGLISH LANGUAGE AND COMPOSITION MAY BE OFFERED FOR WEIGHTED CREDIT
TERM: YEAR  
CREDIT: 1

This AP course in English Language and Composition engages students in becoming skilled readers of NONFICTION prose written in a variety of periods, disciplines, and rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. This course emphasizes the development and use of critical thinking skills. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing. The college composition course for which the AP English Language and Composition course substitutes is one of the most varied in the curriculum.

517040 AP ENGLISH LITERATURE AND COMPOSITION MAY BE OFFERED FOR WEIGHTED CREDIT
TERM: YEAR  
CREDIT: 1

This course is designed to comply with the curricular requirements described in the AP English Course Description. This course emphasizes the development and use of critical thinking skills. Students will be reading at an accelerated pace and writing on a weekly basis. American and British poetry and literature will be the emphasis of study throughout the course. Students must be willing to sacrifice several hours a week to this course in order to succeed. This course is designed to introduce students to the rigor and expectations of the college level English course.

523030 AP ENVIRONMENTAL SCIENCE MAY BE OFFERED FOR WEIGHTED CREDIT
TERM: YEAR  
CREDIT: 1

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Students will be reading at an accelerated pace and writing formal lab reports on a weekly basis. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study. Yet there are several major unifying constructs, or themes, that cut across the many topics included in the study of environmental science.
534040 AP CALCULUS AB MAY BE OFFERED FOR WEIGHTED CREDIT
TERM: YEAR
CREDIT: 1

This course will focus on Functions, Graphs, and Limits; Asymptotic and unbounded behavior; Continuity as a property of functions; the concept of the derivative; Derivative at a point; Derivative as a function; Second derivatives; Applications of derivatives; Computation of derivatives; Interpretations and properties of definite integrals; Applications of integrals; Fundamental Theorem of Calculus; Techniques of anti-differentiation; Applications of anti-differentiation; Numerical approximations to definite integrals. This course is considered a fifth high school math course and should be taken after successful completion of Algebra I, Geometry, Algebra II and Pre-Calculus with Trigonometry.

565010 AP COMPUTER SCIENCE PRINCIPLES LEVEL I MAY BE OFFERED FOR WEIGHTED CREDIT
ADVANCED HS CS LEVEL 1
TERM: FALL
CREDIT: .5

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real-world problems and build relevant solutions. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science.

565020 AP COMPUTER SCIENCE PRINCIPLES LEVEL II MAY BE OFFERED FOR WEIGHTED CREDIT
ADVANCED HS CS LEVEL 2
TERM: SPRING
CREDIT: .5

Pre-Requisites: AP Computer Science Principles Level I

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real-world problems and build relevant solutions. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science.

565110 AP COMPUTER SCIENCE A LEVEL I MAY BE OFFERED FOR WEIGHTED CREDIT ADVANCED HS CS LEVEL 1
TERM: FALL
CREDIT: .5

The goals of the AP Computer Science A course are comparable to those in the introductory course for computer science majors offered in many college and university computer science departments. It is not expected that all students in the AP Computer Science A course will major in computer science at the university level. The AP Computer Science A course is intended to serve both as an introductory course for computer science majors and as a course for people who will major in other disciplines and want to be informed citizens in today’s technological society.

565120 AP COMPUTER SCIENCE A LEVEL II MAY BE OFFERED FOR WEIGHTED CREDIT
ADVANCED HS CS LEVEL 2
TERM: SPRING
CREDIT: .5

Pre-Requisites: AP Computer Science A Level I

The goals of the AP Computer Science A course are comparable to those in the introductory course for computer science majors offered in many college and university computer science departments. It is not expected that all students in the AP Computer Science A course will major in computer science at the university level. The AP Computer Science A course is intended to serve both as an introductory course for computer science majors and as a course for people who will major in other disciplines and want to be informed citizens in today’s technological society.
570020 AP UNITED STATES HISTORY MAY BE OFFERED FOR WEIGHTED CREDIT
TERM: YEAR
CREDIT: 1

This challenging course is designed to provide a college-level experience and prepare students for the AP exam in early May. Over two 18 week semesters, the students are engaged in a wide variety of activities, with substantial emphasis on interpreting documents, writing analytical essays, and mastering factual content. Woven into the chronology of the course are the key themes of American History. Issues of American identity, diversity, religion and culture are examined. Economic transformations, the development of political institutions and reform movements are evaluated. War, slavery, and demographic changes are assessed. Globalization and environmental issues are analyzed. These themes appear consistently in the course as the student journeys through broader course topics such as colonial and antebellum life, civil war and reconstruction, the gilded age and on to modern America.

571020 AP WORLD HISTORY MAY BE OFFERED FOR WEIGHTED CREDIT
TERM: YEAR
CREDIT: 1

The AP World History course will develop students' knowledge and understanding of global historical events, processes and interactions between civilizations and societies. Students will prepare for the rigors of college coursework, and the AP World History Exam. The AP World History course uses a skills-based thematic approach organized by historical periods with reoccurring themes. Historical thinking skills are taught throughout the course using the context and content of world history themes and overlapping, approximate time periods.

572040 ADE ENHANCED AP U. S. GOVERNMENT & POLITICS ADE CURRICULUM FRAMEWORKS MAY BE OFFERED FOR WEIGHTED CREDIT
TERM: YEAR
CREDIT: 1

ADE Enhanced AP United States Government and Politics includes both the study of general concepts used to interpret United States politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute US politics. Students will become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes as they study the following topics: constitutional underpinnings of United States government, political beliefs and behaviors, political parties, interest groups, and mass media, institutions of national government, public policy, civil rights and civil liberties, state and local government, and Arkansas laws affecting juveniles. The course is intended to provide the scope and academic challenge expected at the college level. It prepares students to take the AP United States Government and Politics exam. This course stresses critical thinking and applications, textbook readings, projects, and use of performance-based/open-ended assessments with rubrics. Students who successfully complete the ADE Enhanced AP United States Government and Politics course may receive academic credit for Civics in meeting state graduation requirements.

COMPUTER SCIENCE

465010 COMPUTER SCIENCE WITH PROGRAMMING/CODING EMPHASIS LEVEL I ADE CURRICULUM FRAMEWORKS
TERM: FALL & SPRING
CREDIT: .5

Introduction to Computer Science offers students the opportunity to explore three distinct areas in computer science: programming, networking, and information security. Students will develop knowledge and skills in computational thinking and problem solving; data and information; algorithms and programs; computers and communications; and community, global, and ethical impacts. Emphasis is placed on making real-world connections between students, course topics, and programming in the field of computer science.
465020 COMPUTER SCIENCE WITH PROGRAMMING/CODING EMPHASIS LEVEL II  
TERM: FALL & SPRING  
CREDIT: .5  
This course expands upon the concepts covered in the Introduction to Computer Science (Level 1) course and places significant emphasis on developing proficiency in computer programming/coding. Students will learn to analyze problems and develop solutions to those problems in a collaborative learning environment. Multiple technologies will be engaged in order to equip students with fluencies that will enable them to adapt to the constantly-changing field of computer science.

465210 COMPUTER SCIENCE WITH CYBER SECURITY EMPHASIS LEVEL I  
TERM: FALL & SPRING  
CREDIT: .5  
Introduction to Computer Science offers students the opportunity to explore three distinct areas in computer science: programming, networking, and information security. Students will develop knowledge and skills in computational thinking and problem solving; data and information; algorithms and programs; computers and communications; and community, global, and ethical impacts. Emphasis is placed on making real-world connections between students, course topics, and information security in the field of computer science.

465220 COMPUTER SCIENCE WITH CYBER SECURITY EMPHASIS LEVEL II  
TERM: FALL & SPRING  
CREDIT: .5  
This course expands upon the concepts covered in the Introduction to Computer Science (Level 1) course and places significant emphasis on developing proficiency in information security. Students will learn to analyze problems and develop solutions to those problems in a collaborative learning environment. Multiple technologies will be engaged in order to equip students with fluencies that will enable them to adapt to the constantly-changing field of computer science.

ELECTIVES

696000 ACT PREP ENGLISH READING AND GRAMMAR  
TERM: FALL & SPRING  
CREDIT: .5  
ACT Prep English and Reading is designed as a graded course with its goal being for all students to be unconditionally admitted to their college or university of choice. This course is recommended for high school sophomores, juniors, and seniors. The purpose of this course is to familiarize students with the structure of the ACT College Entrance Exam through examining the various questions types on the exam and through providing a refresher of skills in both English and Reading. To receive the ½ unit of credit, a student must remain in the course for the full semester. Students may earn up to 1 unit by completing all four focus areas, either in one semester or during the full academic year. This course is designed to comply with all the curricular requirements of the American College Testing Program (ACT).

696000 ACT PREP MATH AND SCIENCE  
TERM: FALL & SPRING  
CREDIT: .5  
ACT Prep is designed as a graded course with its goal being for all students to be unconditionally admitted to their college or university of choice. The Math portion is designed to measure a wide range of abilities and knowledge of practical problems from the six Math content areas specifically tested on the ACT. The Science Reasoning portion of the course will provide targeted practice for gaining skill-sets to excel in text-dissection, data analysis, and scientific reasoning seen on the ACT. Students enrolled in the Mathematics or the Scientific Reasoning and Data Analysis focus area will rotate to the other focus area at the end of the nine-week session. To receive the ½ unit of credit, a student must remain in the course for the full semester. Students may earn up to 1 unit by completing all four focus areas, either in one semester or during the full academic year. The course is designed to comply with all the curricular requirements of the American College Testing Program (ACT).
ENGLISH LANGUAGE ARTS

410000 ENGLISH 9
TERM: YEAR
CREDIT: 1

Students study various forms of literature that deal with the universal problems of human nature. Students develop skills in reading, writing, analysis, critical thinking, communication, and organization while building understanding of vocabulary and literary terminology. The course introduces students to the requirements and expectations of essay writing and offers the opportunity to write in various text types and for a variety of purposes.

411000 ENGLISH 10
TERM: YEAR
CREDIT: 1

This course emphasizes the development of the core language arts components of reading, writing, speaking, and listening. Students analyze classic works of literature including plays, non-fiction, poetry, and short stories to understand the contexts in which the works were written. Class activities are designed to help students master the skills needed to meet state standards as well as to be successful in their future endeavors.

412000 ENGLISH 11
TERM: YEAR
CREDIT: 1

In English 11 students will analyze works of poetry, short stories, drama, and speech from pre-colonial period to the present, emphasizing the philosophical, historical, political, and cultural movements of those eras. Students will study literary terminology as well as conventions of fiction and nonfiction and produce MLA-formatted works using research skills gained in this course.

413000 ENGLISH 12
TERM: YEAR
CREDIT: 1

This course is broken into four units of thematic study. Each unit allows students to analyze the political, social, economic, and cultural messages of the time as well as the relevance of the literary works to the world students live in today. As they read, students consider the work’s structure, style, and themes as well as the use of elements such as figurative language, imagery, symbolism, and tone. Students will write in several forms about a variety of subjects in contexts designed to help them become increasingly aware of themselves as writers and of the techniques employed by the writers they read. Students will gain research skills, and in particular, the ability to evaluate, use, and cite primary and secondary sources. Students will cite sources using MLA Format.

414000 ORAL COMMUNICATION
TERM: FALL & SPRING
CREDIT: .5

In the one-semester Oral Communication course, students will gather an understanding of effective communication while speaking, listening, and responding. Students will practice communication competencies, effective intrapersonal and interpersonal communication, as well as deliver a variety of speeches. Students will also learn concepts related to responsible social media usage, communication barriers, mass media, conflict resolution, leadership styles, business etiquette, and interviews. Students will participate in debate and perform oral readings.

415000 JOURNALISM I
TERM: YEAR
CREDIT: 1

Understanding the role of the free press in America helps us to be better informed and more able to analyze media. In this course, students will explore the history of journalism in the United States from its inception in the colonies and its key role
in the first amendment, all the way up to present day issues regarding “right to know” and the changing landscape of journalistic media in the 21st century. Students will acquire the skills and information needed to actively participate in the consumption, analysis, and creation of news media and will have the opportunity to investigate the constantly evolving career opportunities within the field of journalism.

**FINE ARTS**

**450000 VISUAL ART I**  
**TERM: YEAR**  
**CREDIT: 1**

Visual Art I is a two-semester course designed to teach students to apply the elements of art and the principles of design to the creative process. Students are expected to use a variety of media, techniques, processes and tools to compose original works of art that demonstrate understanding of the elements of art and principles of design, awareness of aesthetic concerns and the ability to communicate ideas through artwork. Students will critique and reflect on their artwork and the art of others. Students will exhibit artwork and will assemble portfolios that demonstrate successful completion of Visual Art I student learning expectations. Students may not be enrolled in the second semester of Visual Art I unless they are transferring from another district and had the first semester of Visual Art I at the prior district.

**453100 VISUAL ART APPRECIATION**  
**TERM: FALL & SPRING**  
**CREDIT: .5**

Visual Art Appreciation is a one-semester course designed to develop perceptual awareness and aesthetic sensitivity, as well as a foundation for a lifelong relationship with the arts. Students will learn the elements of art and principles of design; explore the basic processes, materials, and inherent qualities of visual art; examine critical analyses of the creative processes involved in the various art forms; and reflect on the connections between society and visual art. The Standards for Accreditation require schools to offer a one-half unit of survey of fine arts or one-half unit of an advanced art or advanced music course. Visual Art Appreciation may be used to fulfill this requirement. Visual Art Appreciation also fulfills the requirement for one-half unit of fine arts for graduation.

**550010 ADE APPROVED FINE ARTS - ART + PROCESS: CREATING A BODY OF WORK**  
**TERM: FALL**  
**CREDIT: .5**

In this course students will study a variety of contemporary artists who were part of the State of the Art: Discovering American Art Now exhibition at Crystal Bridges Museum of American Art. Students will look at these artists’ work and learn about the techniques, processes, and concepts to understand and be inspired by their thinking. In the first half of the course, students will complete experimental art projects influenced by these artists. These projects will help students find an idea to develop into a body of work in the last half of the course. This semester long process leads to the culminating event—hanging and exhibiting the body of work in the gallery of a 3D online replica of the museum as well as the creation of an online portfolio to use for college applications, marketing, and more. **ABOVE STATE REQUIREMENTS.**

**553010 ADE APPROVED SURVEY OF FINE ARTS – ART APPRECIATION AND AMERICAN IDENTITY**  
**TERM: SPRING**  
**CREDIT: 5**

How is the identity of America represented in the arts? Is it a more accurate and diverse reflection than you would find in a textbook? How has the identity of America changed throughout history? All of these questions and more will be explored in this course as you learn how to discuss and interpret paintings from the Crystal Bridges Museum of American Art and other museums throughout the country. Located in Bentonville, Arkansas, Crystal Bridges has over five centuries of American Art, from early portrayals of Native Americans to the contemporary art of today. Each of these artworks is a primary source and provides a unique perspective of American history and identity that you cannot find in a history textbook. You will learn how to discuss, interpret, and critique in this class while also learning about careers in museums. The final project will culminate in a virtual student created exhibition.
FOREIGN LANGUAGE

440000 SPANISH I
TERM: YEAR
CREDIT: 1

Spanish I students learn how to greet people, introduce themselves, and speak about their home, family, school, and community. As students learn basic vocabulary and grammar skills, they expand on their knowledge and learn to communicate about more complex topics such as weather, sports, entertainment and leisure activities. The course introduces new words and phrases with pictures, audio clips, and examples. Students learn basic Spanish grammar to help them build fluency and understand the structure of the Spanish language.

440020 SPANISH II
TERM: YEAR
CREDIT: 1
Prerequisite: You must have received credit for both semesters of Spanish I in order to enroll in Spanish II.

Spanish II is a year-long course. The purpose of the course is to strengthen Spanish listening, speaking, reading, and writing skills. Students will learn practical communication the Novice-High level of proficiency in speaking, listening, reading, and writing. The course meets all requirements set forth in the Arkansas Modern Languages framework for second-year language. In Spanish II, students will participate in a range of collaborative and communicative tasks. They will explore the Spanish language and also the history and cultures of Spanish-speaking countries. Students will contribute regularly to spoken and written discussions, and will provide feedback to one another on the insights that they share. Student progress will be marked on rubrics designed around the ACTFL proficiency standards for speaking and writing.

440030 SPANISH III
TERM: YEAR
CREDIT: 1
Prerequisite: You must have received credit for both semesters of Spanish II in order to enroll in Spanish III.

Spanish III is an elective course that emphasizes oral and written expression to promote more proficient Spanish communication skills. It includes the review and expansion of essential Spanish grammar and vocabulary necessary for advanced communication. Cultural and literary selections are read and discussed. Compositions reflect comprehension and an increasing understanding of the complexities of the language and vocabulary. Aural comprehension is emphasized. The course is defined by the content standards of the Arkansas Foreign Language Curriculum Framework for Spanish III and includes applications, problem solving, higher-order thinking skills, and performance-based, open-ended assessments with rubrics.

441000 FRENCH I
TERM: YEAR
CREDIT: 1

Students will begin to develop the skills needed to communicate effectively in the French language and develop an in-depth awareness of the various French-speaking cultures. Upon successful completion of this course students will be able to understand elementary spoken French; use vocabulary for practical, everyday use; strive to speak with comprehensible pronunciation; read and write simple French sentences; and discuss and demonstrate appreciation for Francophone cultures.

441010 FRENCH II
TERM: YEAR
CREDIT: 1
Prerequisite: You must have received credit for both semesters of French I in order to enroll in French II.

In this course, students will build on skills developed in French I and continue to work on communicating effectively in the French language and increasing awareness of French-speaking cultures. Upon successful completion of this course, students will be able to understand spoken French at the novice level; use vocabulary for practical, everyday use; speak
with comprehensible pronunciation; read and write simple French paragraphs; discuss and demonstrate an appreciation for Francophone cultures

**442000 GERMAN I**
**TERM: YEAR**
**CREDIT: 1**

German I stresses correct pronunciation, aural comprehension, and simple speaking ability. As communication skills develop, the course includes additional vocabulary and basic grammar necessary for limited reading and writing. The course is defined by the content standards of the Arkansas Foreign Language Curriculum Framework and includes applications, problem solving, higher-order thinking skills, and performance-based, open-ended assessments with rubrics.

**442010 GERMAN II**
**TERM: YEAR**
**CREDIT: 1**

**Prerequisite:** You must have received credit for both semesters of German I in order to enroll in German II.

German II develops and expands the fundamental skills introduced in German I. Speaking exercises facilitate oral communication. Additional vocabulary and grammar are introduced to lead to more advanced reading and writing. Authentic reading materials and audio-video recordings enrich instruction. The course is defined by the content standards of the Arkansas Foreign Language Curriculum Framework and includes applications, problem solving, higher-order thinking skills, and performance-based, open-ended assessments with rubrics.

**449010 AMERICAN SIGN LANGUAGE I**
**TERM: YEAR**
**CREDIT: 1**

ASL I provides an introduction to the basic skills in production and comprehension of American Sign Language. The course focuses on the alphabet, numbers, fingerspelling, vocabulary, and grammar which will lead to increased communicative and cultural proficiency in ASL. The culture, history, current events and traditions of the Deaf community are introduced through selected readings, visual recordings, and other authentic materials. Visually attending, signing, individual feedback, and group activities are designed to instruct, reinforce, connect language skills, and develop signacy. This course will include applications, problem solving, higher-order thinking skills, and performance-based and project-based assessments. The goal is to be able to carry on a short conversation with another student by the end of the course. Also, students will develop the practical skills and knowledge necessary for basic interactions within the deaf community.

**449020 AMERICAN SIGN LANGUAGE II**
**TERM: YEAR**
**CREDIT: 1**

**Prerequisite:** You must have received credit for both semesters of American Sign Language I in order to enroll in American Sign Language II.

Students will build upon the skills that were taught in ASL I and continue to increase their ability to comprehend and respond with increasing accuracy to expressive American Sign Language. ASL II provides basic instruction in production and comprehension, vocabulary, and grammar, and eventually leads to increased communicative and cultural proficiency in ASL. Emphasis is placed on the progressive development of expressive and receptive skills. The culture, history, current events, and traditions of the Deaf community are introduced on the appropriate level through selected readings, visual recordings, and other authentic materials. Visually attending, signing, individual feedback, interactive activities and group activities are designed to instruct, reinforce, connect language skills, and develop signacy. This course includes applications, problem solving, higher-order thinking skills, and performance-based and project-based assessments. Students will be able to converse with another student or individuals within the deaf community with emphasis on appropriate language used in common communication settings.
MATHEMATICS

430000 ALGEBRA I
TERM: YEAR
CREDIT: 1
The skills you'll acquire in Algebra I contain the basic foundation students need for all high school math courses. Students develop algebraic fluency by learning the skills needed to solve equations and perform manipulations with numbers, variables, equations, and inequalities. Upon completion, students will possess the skills and strategies needed for solving real-world applications in multiple real-life scenarios from sports and travel to business and health.

431000 GEOMETRY
TERM: YEAR
CREDIT: 1
Prerequisite: Algebra I or Algebra AB
Geometry has been used by man since the beginning of time. The ancient pyramids are based on geometrical design. Geometry is everywhere, not just in pyramids. Engineers use geometry to build highways and bridges. Artists use geometry to create perspective in their paintings, and mapmakers help travelers find things using the points located on a geometric grid. Throughout this course, students travel a mathematical highway illuminated by spatial relationships, reasoning, connections, and problem solving.

432000 ALGEBRA II
TERM: YEAR
CREDIT: 1
Prerequisite: Algebra I
This course builds on knowledge and skills gained from Algebra 1. Starting with a review of basic algebra, students will travel through quadratic equations, systems of equations, factoring, and polynomial functions. In the second segment, students will venture into the realms of radicals, rational equations, matrices, exponential and logarithmic relations, and land at sequences and series. This course allows students to learn while having fun. Interactive examples help guide students' journey through customized feedback and praise.

439050 ADVANCED TOPICS AND MODELING IN MATHEMATICS
TERM: YEAR
CREDIT: 1
Prerequisites: Algebra I, Geometry, Algebra II.
This course builds on Algebra I, Geometry, and Algebra II to explore mathematical topics and relationships beyond Algebra II. Emphasis will be placed on applying modeling as the process of choosing and using appropriate mathematics and statistics to analyze, to better understand, and to improve decisions in analyzing empirical situations. Collection and use of student-generated data should be an aspect of the course. Students will represent and process their reasoning and conclusions numerically, graphically, symbolically, and verbally. Students will be expected to use technology, including graphing calculators, computers, and data gathering equipment throughout the course.

439120 QUANTITATIVE LITERACY (NOT NCCA APPROVED)
TERM: YEAR
CREDIT: 1
Prerequisite: Algebra I
Quantitative literacy further builds on the knowledge and skills mastered in Algebra I by exploring and making connections between mathematical topics and the real world. Throughout the course, students will learn to make decisions, evaluate outcomes, and communicate results by choosing, modeling, and using appropriate mathematics and statistics. Students will represent and process their reasoning while gaining proficiency with mathematical technology. Emphasis is placed on areas of personal and business finance.
PHYSICAL EDUCATION AND HEALTH

480000 HEALTH AND WELLNESS
TERM: FALL & SPRING
CREDIT: .5

Each day, hundreds of decisions are made that have a huge impact on personal life. Making good decisions becomes easier for those who are well informed before making those decisions that affect their overall health. Being equipped with the correct information will empower student’s real life issues dealing with human growth, development, disease prevention, community health access, forming healthy relationships, substance use and abuse, personal health/safety, nutrition and physical fitness.

SCIENCE

420000 BIOLOGY - INTEGRATED ADE CURRICULUM FRAMEWORKS
TERM: YEAR
CREDIT: 1

The Arkansas K-12 Science Standards for biology - integrated is an integrated science course that focuses on conceptual understanding of foundational life and Earth science core ideas, science and engineering practices, and crosscutting concepts, and is an integration of life science, Earth and space science, and engineering design standards. It is recommended that students be enrolled in Geometry concurrently with this course. Students will earn 1 unit of Smart Core/biology credit for graduation.

421000 CHEMISTRY – INTEGRATED ADE CURRICULUM FRAMEWORKS
TERM: YEAR
CREDIT: 1

The Chemistry – Integrated is an integrated science course that focuses on conceptual understanding of the foundational chemistry and physics core ideas, science and engineering practices, and crosscutting concepts and is composed of chemistry, physics, Earth and space science, and engineering design standards. It is recommended that students be enrolled in Algebra II concurrently with this course. Students will earn a 1 unit of Smart Core/chemistry credit for graduation.

422000 PHYSICS ADE CURRICULUM FRAMEWORKS
TERM: YEAR
CREDIT: 1
Prerequisite: Algebra II

Physics is a science course that builds upon students’ understanding of the core ideas, science and engineering practices, and crosscutting concepts in the chemistry - integrated course. The standards engage students in the investigation of physical laws and application of the principles of physics to address real world problems. Candidates for this course are students who have completed chemistry-integrated and are seeking a deeper understanding of physics concepts. It is recommended that students have completed or are concurrently enrolled in an algebra II course. Students will earn 1 unit of career focus credit.

423000 PHYSICAL SCIENCE - INTEGRATED ADE CURRICULUM FRAMEWORKS
TERM: YEAR
CREDIT: 1

Physical Science - Integrated is an integrated science course that focuses on conceptual understanding of foundational core ideas, science and engineering practices, and crosscutting concepts, and is composed of physical science, Earth and space science, life science, and engineering design standards. Students will earn 1 unit of Smart Core/physical science credit for graduation. It is recommended that students be enrolled in Algebra I concurrently with this course. Students in physical
science - integrated continue to develop their understanding of the core ideas in the physical, life, and earth and space sciences learned in middle school. These ideas include the most fundamental concepts from chemistry, physics, biology, and Earth and space science but are intended to leave room for expanded study in upper-level high school courses.

424020 ENVIRONMENTAL SCIENCE ADE CURRICULUM FRAMEWORKS
TERM: YEAR
CREDIT: 1

Environmental science is an integrated science course that continues to develop conceptual understanding of the interactions in Earth science, physical science, and life science systems. The standards for environmental science engage students in the core ideas, scientific and engineering practices, and crosscutting concepts to support the development of knowledge that can be applied to understanding, explaining, and improving human interactions with Earth systems and resources. There are strong connections to mathematical practices of analyzing and interpreting data with creating mathematical and computational models. Students will earn 1 Core requirement/career focus credit.

424030 HUMAN ANATOMY AND PHYSIOLOGY ADE CURRICULUM FRAMEWORKS
TERM: YEAR
CREDIT: 1

Human Anatomy and Physiology continues to develop conceptual understanding of the core ideas, science and engineering practices, and crosscutting concepts in Biology -Integrated. This is a career-focused course for students interested in medical professions and related fields. Human Anatomy and Physiology is an upper division life science course where students will study the structure, basic functions, and common disorders of the human body. The course will concentrate on the major systems of the body: integumentary, skeletal, muscular, respiratory, circulatory, digestive, nervous, endocrine, lymphatic, urinary, and reproductive.

SOCIAL STUDIES

470000 UNITED STATES HISTORY SINCE 1890
TERM: YEAR
CREDIT: 1

Students receive a strong foundation in United States History from pre-colonialism through the Progressive Era, allowing United States History since 1890 to focus in greater depth on the effects of changing culture, technology, world economy, and environment, as well as the impact of global conflicts on contemporary society in the United States. The desired outcome of this course is for students to develop an understanding of the cause-and-effect relationship between past and present events, recognize patterns of interactions, and understand the impact of events in the United States within an interconnected world. United States History Since 1890 examines the emergence of the United States as a world power to the present. Students will examine the political, economic, geographic, social, and cultural development of the United States of America from the late nineteenth century into the twenty-first century. United States History Since 1890 references the eras and time periods from The National Center for History in the Schools.

471000 WORLD HISTORY SINCE 1450
TERM: YEAR
CREDIT: 1

World History 9-12 provides an in-depth study of the history of human society from Era 6: Emergence of First Global Age 1450-1770 to Era 9: Contemporary World since 1945. World History is designed to assist students in understanding the human condition, how people and countries of the world have become increasingly interconnected across time and space, and the ways different people view the same event or issue from a variety of perspectives. This course develops an understanding of the historical roots of current world issues, especially as they pertain to international/global relations. It requires an understanding of world cultures and civilizations, including an analysis of important ideas, social and cultural values, beliefs, and traditions. Knowledge of past achievements and failures of different peoples and nations provides citizens of the 21st century with a broader context within which to address the many issues facing our nation and the world. World History references the eras and time periods from The National Center for History in the Schools.
CIVICS ADE CURRICULUM FRAMEWORKS  
TERM: FALL & SPRING  
CREDIT: .5

The focus of Civics is the application of civic virtues and democratic principles and investigation of problem solving in society. This course provides a study of the structure and functions of federal, state, and local government. Civics also examines constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, and the importance of civic participation in the democratic process.

ECONOMICS ADE CURRICULUM FRAMEWORKS  
TERM: FALL & SPRING  
CREDIT: .5

One-semester Economics for Grades 9-12 emphasizes economic decision making. Students will explore the interrelationships among consumers, producers, resources, and labor as well as the interrelationships between national and global economies. Additionally, students will examine the relationship between individual choices and the direct influence of these choices on occupational goals and future earning potential.

PSYCHOLOGY ADE CURRICULUM FRAMEWORKS  
TERM: FALL & SPRING  
CREDIT: .5

Psychology is a social studies elective course that introduces students to the science of behavior and mental processes. It includes an overview of the history of psychology as well as an opportunity to study individual and social psychology and how the knowledge and methods of psychologists are applied to the solution of human problems. The content of this course includes human development; biological bases of behavior; sensation and perception; learning, memory, and cognition; behavior patterns; and psychological disorders and their treatments. This course focuses on practical everyday application of the content.

SOCIOLOGY ADE CURRICULUM FRAMEWORKS  
TERM: FALL  
CREDIT: .5

Sociology consists of two nine weeks units. This course introduces students to the social systems that are the foundation of society. An emphasis is placed on culture, social status, social institutions, and social problems, as well as resulting behaviors. Using the tools and techniques of sociologists, students will examine the causes, consequences, and possible solutions for various social issues. Students will read major sociological theorists as well as consider how sociologists approach issues.

CAREER AND TECHNICAL COURSES

AGRICULTURE, FOOD and NATURAL RESOURCES CLUSTER  
AGRIBUSINESS SYSTEMS PROGRAM OF STUDY

AGRICULTURAL BUSINESS ACE CURRICULUM FRAMEWORKS  
TERM: YEAR  
CREDIT: 1  
GRADE LEVEL: 10-12  

This course covers the principles of agribusiness including ways of doing business in a free market economic system, entrepreneurship, business start-up, business plans, management, facility needs, legal aspects and tax responsibilities, personnel, and ethics.
ARTS, AUDIO VISUAL, TECHNOLOGY and COMMUNICATIONS CLUSTER
PHOTOGRAPHY PROGRAM OF STUDY

494350 FUNDAMENTALS OF PHOTOGRAPHY ACE CURRICULUM FRAMEWORKS
TERM: YEAR
CREDIT: 1
GRADE LEVEL: 9-12

This core introductory program is designed to provide practical knowledge and skill in preparation for a career in photography.

494370 INTERMEDIATE PHOTOGRAPHY ACE CURRICULUM FRAMEWORKS
TERM: YEAR
CREDIT: 1
GRADE LEVEL: 10–12
Prerequisite: Fundamentals of Photography

This core production based program is designed to provide the second year photography student with fine-tuned knowledge and skills.

494380 ADVANCED PHOTOGRAPHY ACE CURRICULUM FRAMEWORKS
TERM: YEAR
CREDIT: 1
GRADE LEVEL: 11-12
Prerequisite: Intermediate of Photography

This independent production based program is designed to provide the advanced photography student with practical knowledge and highly advanced skills for a comprehensive career in photography.

HUMAN SERVICES CLUSTER
FAMILY AND CONSUMER SCIENCES EDUCATION

491990 FINANCIAL LITERACY ACE CURRICULUM FRAMEWORKS PENDING APPROVAL
TERM: FALL & SPRING
CREDIT: .5
GRADE LEVELS: 9-12

This is a one-semester course designed to increase financial literacy and prepare students to successfully manage financial resources. This course also focuses on the individual’s role and financial responsibilities as a student, citizen, consumer, and active participant in the business world. Emphasis is also placed also on activities and competitions within career technical student organizations (i.e., FBLA, FCCLA, and DECA)

FINANCE CLUSTER
ACCOUNTING PROGRAM OF STUDY

492120 COMPUTERIZED BUSINESS APPLICATIONS ACE CURRICULUM FRAMEWORKS
TERM: YEAR
CREDIT: 1
GRADE LEVELS: 9-12

Computerized Business Applications is a two-semester course designed to prepare students with an introduction to business applications that are necessary to live and work in a technological society. Emphasis is given to hardware, concepts, and business uses of applications. The business applications covered are word processing, database, spreadsheet, telecommunications, presentation, and Web page design. This course will also meet the one unit required in the Standards for Computer Applications.
Computerized Accounting I is a two-semester course with emphasis on basic accounting principles as they relate to both manual and computerized financial systems. Instruction is on an integrated basis using computers and electronic calculators as the relationships and processes of manual and computerized accounting are presented. Entry-level skills in the accounting occupations can be attained.

Computerized Accounting II is a two-semester course designed to provide students with the knowledge, understanding, and skill necessary for successful careers in accounting. Partnership as well as departmental, corporate, and cost accounting systems are components of the course. Emphasis is given to the computerized/automated functions in accounting. **Prerequisite:** Computerized Accounting I

This course provides students with a general overview of sports medicine and its history from the perspective of the healthcare community that includes injury prevention, treatment, rehabilitation, psychosocial, and administration concerns. Students will gain an understanding of sports medicine and the role it plays in the athletic community.

This course is devoted to the exploration of human pathology. Pathology is the branch of medical science that studies the causes, nature, and effects of diseases. This course of study begins with an introduction to pathology terminology, predisposing factors of diseases, diagnosis, prognosis, and disease treatments. Following the introduction, the course proceeds into a study of the immune system, then goes into infectious diseases and their transmission. Other types of diseases, such as genetic disorders, cancer, and reproductive pathology are also studied. **Recommended for student success:** This course is designed for students who have an interest in medical topics and who enjoy science. Students should have completed one semester of Biology, Human Anatomy or Medical Terminology prior to enrolling.

This full year course provides an introduction to Human Anatomy and Physiology, exploring the structure and function of human body parts and how they function together. It also explores what happens when these parts do not function correctly. It begins with a study of anatomical terms and organization of the human body, and then proceeds to body chemistry, cells, cellular metabolism, and tissues. After this, it continues on to a study of bones and muscles, then to various other body systems.
495320 HUMAN BEHAVIOR AND DISORDERS ACE CURRICULUM FRAMEWORKS
TERM: SPRING
CREDIT: .5
GRADE LEVELS: 9-12
Prerequisite: Abnormal Psychology

This course focuses on normal behavior and personality, abnormal behavior and personality, and behavior disorders and the therapies used to treat those disorders and abnormalities.

495350 FOUNDATIONS OF HEALTH CARE ACE CURRICULUM FRAMEWORKS
TERM: YEAR
CREDIT: 1
GRADE LEVELS: 9-12

This course replaces Introduction to Medical Professions and Medical Procedures. A detailed course description will be updated when the ACE Frameworks are released.

495360 MEDICAL TERMINOLOGY ACE CURRICULUM FRAMEWORKS
TERM: FALL & SPRING
CREDIT: .5
GRADE LEVELS: 9-12
Prerequisite: Biology

Terminology is a one semester course that assists students in developing the language used for communication in the health care profession.

495370 ABNORMAL PSYCHOLOGY ACE CURRICULUM FRAMEWORKS
TERM: FALL
CREDIT: .5
GRADE LEVELS: 9-12

This course provides a basic survey of maladaptive human behavior. Major psychological disorders, their causes, symptom behaviors, cultural influences, and relevant treatment approaches are discussed. Included topics are historical medical background, perspectives of treatment of the mentally ill, fundamental definitions, causes of anxiety disorders, disorders of mood, personality disorders, disorders of thought, including schizophrenia, substance-related disorders, and domestic violence. Legal, ethical, and social issues relating to the medical professional’s role in treating psychological disorders are explored.

HOSPITALITY and TOURISM CLUSTER
HOSPITALITY AND TOURISM PROGRAM OF STUDY

492260 TOURISM INDUSTRY MANAGEMENT ACE CURRICULUM FRAMEWORKS
TERM: YEAR
CREDIT: 1
GRADE LEVELS: 9-12
Prerequisites: Computer Applications I and II (492490, 492500), or Computerized Business Applications (492120), or Technology Design Applications (460100)

The content includes but is not limited to customer service, management and supervisory development, management theory, decision making, organization, communications, human relations, leadership training, personnel training, travel counseling, reservationists, ticketing, tour development, security, sales, travel and tourism accounting, marketing, and convention management, applicable local, state, and federal laws and asset management.
492230 ARKANSAS HOSPITALITY AND TOURISM ACE CURRICULUM FRAMEWORKS
TERM: SPRING
CREDIT: .5
GRADE LEVELS: 9-12
Prerequisites: Computer Applications I and II (492490, 492500), or Computerized Business Applications (492120), or Technology Design Applications (460100)

Arkansas Tourism is a one-semester course designed to familiarize students with Arkansas careers in hospitality and the opportunities available to promote travel and tourism in the state. Emphasis will be on the food industry, transportation industry, lodging industry, and tourist attractions within the various geographical locations in the state.

LAW, PUBLIC SAFETY, SECURITY and CORRECTIONS CLUSTER
CRIMINAL JUSTICE PROGRAM OF STUDY

494610 CRIMINAL LAW ACE CURRICULUM FRAMEWORKS
TERM: YEAR
CREDIT: 1
GRADE LEVELS: 9-12

This course emphasizes the study of substantive criminal law. Selected crimes most likely to be dealt with by the criminal justice professional are explored through discussion, where applicable, of the English Common Law precedents, general modern application and specific Arkansas Criminal Code.

494620 INTRODUCTION TO CRIMINAL JUSTICE ACE CURRICULUM FRAMEWORKS
TERM: YEAR
CREDIT: 1
GRADE LEVELS: 9-12

This course provides the historical background of the agencies that compose the criminal justice system. It focuses on the development of justice and law, crime and punishment, the administration of laws, the agencies' functions, career orientation and public relations.

590100 INTRODUCTION TO THE LAW AND FORENSIC SCIENCE
TERM: YEAR
CREDIT: 1
GRADE LEVEL 10-12

This is an introductory level course with an emphasis placed on how forensic science is used in conjunction with the law and the legal system. The course will provide a brief history and development of forensic science and how forensic science functions within the legal system of today. The course provides an overview of a crime scene, DNA, trace evidence, aspects of fire and explosions, fingerprints, firearms, and document examination. Upon completion the student will have a general understanding of career opportunities and responsibilities that focus on Forensic Science and the Law.

590110 INTRODUCTION TO CAREERS IN LAW, PUBLIC SAFETY AND SECURITY
TERM: FALL
CREDIT: .5
GRADE LEVEL 9-12

This is an introductory level course designed to provide an overview of careers in Law, Public Safety, Corrections, and Security. This course will cover careers in each pathway, ethical issues related to each career as well as necessary education requirements. The students will gain knowledge and skills, both verbally and in writing concerning issues related to these careers. Upon completion of this course, students will have a general understanding of career opportunities and responsibilities in each pathway.
590110 ARKANSAS LEGAL
TERM: SPRING
CREDIT: .5
GRADE LEVEL 9-12
Prerequisite: Students MUST have received credit for Law and Order: Career Intent to enroll in Arkansas Legal.

This instructional program prepares individuals to perform duties within the legal services pathway and includes an overview of the Arkansas judicial and legislative system.

MARKETING, SALES, and SERVICE CLUSTER
MARKETING TECHNOLOGY & RESEARCH PROGRAM OF STUDY

492190 FASHION MERCHANDISING ACE CURRICULUM FRAMEWORKS
TERM: SPRING
CREDIT: .5
GRADE LEVELS: 9-12

Fashion Merchandising is a one-semester course designed to offer an overview of the fashion industry. It provides the foundation in

DISTRIBUTION, AND LOGISTICS CLUSTER
AVIATION FLIGHT PROGRAM OF STUDY

590090 FUNDAMENTALS OF FLIGHT DOES NOT SATISFY ACT 1280
TERM: YEAR
CREDIT: 1
GRADE LEVELS: 10-12

This course, the first in a series of three, will introduce students to the field of aviation, with special emphasis placed on becoming a pilot. This course will introduce students to different professions a pilot could pursue. It will also introduce: aircraft structure, principles of flight, flight controls, basic aerodynamics, and various introductory flight maneuvers. A flight training device or required software will be used to provide practical exposure to flight maneuvers.

590090 AIRPORTS, AIRSPACE, AND WEATHER DOES NOT SATISFY ACT 1280
TERM: YEAR
CREDIT: 1
GRADE LEVELS: 10-12
Prerequisite: Fundamentals of Flight

The second course in a series of three will introduce students to aircraft systems, aeronautical charts, airport structure, the national airspace system, basic weather theory, and aviation weather services. Flight maneuvers will be continued and a flight training device will be used to provide practical exposure to the flight maneuvers.

590090 PRIVATE PILOT OPERATIONS PENDING APPROVAL DOES NOT SATISFY ACT 1280
TERM: YEAR
CREDIT: 1
GRADE LEVELS: 10-12

The third course in a series of three will introduce students to Aircraft Performance, Flight Manuals, Regulations, Navigation, Aero-medical Factors, and Aeronautical Decision Making. Flight maneuvers and navigation will be introduced. A flight training device will be used to provide practical exposure to flight maneuvers and navigation.
CAREER PREPARATION – may count as an elective for any CTE Program of Study

493880 COLLEGE AND CAREER READINESS ACE CURRICULUM FRAMEWORKS
TERM: FALL
CREDIT: .5
GRADE LEVEL 9-12

College and Career Readiness is a one-semester (.5 credit) course that can count toward completer status for any Career and Technical Education Program of Study. It is designed to provide the student with the necessary skills to evaluate fundamental employment ready skills and what they need from education to be prepared to refine their choices through a decision-making process and master the skills most needed by 21st century employers. The course is recommended to be taken the first semester of the senior year to allow counselors working with seniors to prepare for graduation and college preparation. Students will assess labor market information, personal academic and career ready potential, and make application to postsecondary institutions. This course will use the Career Ready 101 curriculum to prepare students to take the ACT WorkKeys assessments to earn the Arkansas Career Readiness Certificate.

493900 CAREER READINESS ACE CURRICULUM FRAMEWORKS
TERM: SPRING
CREDIT: .5
GRADE LEVEL 9-12

Career Readiness is a one-semester (.5 credit) course that can count toward completer status for any Career and Technical Education Program of Study. It is designed to provide the student with the necessary skills to evaluate who they are, what they need in a career, research postsecondary options and career information. The major goal of Career Readiness is to engage students to develop characteristics and skills employers most desire. Students will evaluate personal traits for a better understanding of self in their pursuit of finding a meaningful, fulfilling and rewarding career then compare their traits to the characteristics employers expect for the purpose of identifying and developing the lacking skills. This course uses the Career Ready 101 curriculum to teach the 21st Century SCANS skills but does not include the WorkKeys skills from College and Career Readiness. This course supplements 493880.

493910 CAREER READY 101 ONLINE ACE CURRICULUM FRAMEWORKS
TERM: FALL & SPRING
CREDIT: .5
GRADE LEVEL 9-12

Career Ready 101 Online is a (.5 credit) course option to 493880 and 493900 that can count as an elective to complete any Career and Technical Education Program of Study. The major goal of Career Ready 101 Online is to engage students in digital learning to meet ACT 1280 and to prepare for postsecondary education. This course contains the CR101 curriculum WorkKeys Skills--Locating Information, Applied Math and Reading for Information found in the College and Career Readiness Course (493880). It also contains key Career Skills found in the Career Readiness Course (493900). It is designed to provide students with the necessary skills to evaluate who they are, what they need in a career, and research postsecondary options and career information. This course is an alternative option for 493880 and 493900 and should not be taken in conjunction with either of the two since it is duplicative in the Career Ready 101 curriculum in many areas. This course will use the Career Ready 101 curriculum to prepare students to take the ACT WorkKeys assessment providing an opportunity to earn the Arkansas Career Readiness Certificate.
NOTE: Be aware all COTO Career Center Program Courses will be offered for concurrent credit starting in the 2018-2019 school year. Students will receive college credit for all course work passed/completed and semester grades will count towards cumulative GPA on a COTO transcript.

**AUTOMOTIVE SERVICE TECHNOLOGY I, II, III, & IV (590410, 590420, 590430, 590440)**
Course length: one year
Grade: 11, 12
Credit: 1 credit

This course prepares students to engage in the diagnosis and service, starting system diagnosis and repair, charging system diagnosis and repair, lighting system diagnosis and repair, gauges, warning devices, and driver information systems diagnosis and repair, horn and wiper/washer diagnosis and repair and accessories diagnosis and repair.

**CONSTRUCTION TECHNOLOGY I, II, III, & IV (590190, 590610, 590620, 590630)**
Course length: one year
Grade: 11, 12
Credit: 1 credit

Construction Fundamentals is designed to introduce the student to the safety, tools, codes, and regulations of the field, along with basic carpentry, plumbing, & electrical wiring. This exposes the student to several areas of the construction field which can be enhanced on after high school. The student can continue their education in all of these fields after high school or specialize in a certain area working as an apprentice for a contractor. This instructional program prepares individuals to apply technical knowledge and skills to layout, fabricate, erect, install, and repair wooden structures and fixtures, using hand and power tools. Mechanical, Plumbing and Electrical is designed to introduce the student to the safety, tools, codes, and regulations of the field, along with basic carpentry, plumbing, & electrical wiring. This exposes the student to several areas of the construction field which can be enhanced on after high school. The student can continue their education in all of these fields after high school or specialize in a certain area working as an apprentice for a contractor.

**COSMETOLOGY II/COSMETOLOGY LAB II (593280, 593290)**
Course length: one year
Grade: 12
Credits: 2 credits

*Prerequisite: Cosmetology I/COSMETOLOGY LAB I*

*Note: Last year for this program*

This course allows for continuation toward the 1500 hours of training and instruction required to be eligible for the State board of Cosmetology licensing examination. Upon successful completion of this course, the student will have completed approximately one-third of the complete cosmetology program of study required for licensure.
HEALTH SERVICES I & II (590260, 590680)
Course length: one year
Grade: 11, 12
Credit: 1 credit
Experiences in this class are designed to provide students with basic information and skills needed for a career in the health care field. Emphasis is given to the development of competencies related to the health care field, study, skills and personal qualities. An overview of medical history and events, health care systems, health care career, medical ethics and legal responsibilities, nutrition and health, human growth and development, process of disease, and job-seeking skills will be covered. Experiences in this class are designed to provide students with basic information and skills needed for a career in the health care field. Emphasis is given to the development of competencies related to the health care field, study, skills and personal qualities. An overview of medical history and events, health care systems, health care career, medical ethics and legal responsibilities, nutrition and health, human growth and development, process of disease, and job-seeking skills will be covered.

CNA I & II (590710, 590720)
Course length: one year
Grade: 11, 12
Credit: 1 credit
Introduces students to various fields in the health services professions, careers within each field of study, and to the knowledge, skills, and abilities expected of those in these fields. Focus includes an overview of medical history, health care systems, medical ethics and legal responsibilities, patient's rights, and an overview of nutrition. This training is taught in alignment with the Arkansas Department of Long Term Care’s rules and regulations. Upon completion of the minimum attendance and performance standards set by the Department of Long Term Care, the student can sit for the state’s certification exam. This state curriculum is taught in correlation with the high school and college course credit requirements.

LAW & PUBLIC SAFETY I, II, III, & IV (590310, 590730, 590740, 590750)
Course length: one year
Grade: 11, 12
Credit: 1 credit
The field of Criminal Justice deals specifically in the careers of law enforcement, corrections and probation, and careers in a judicial setting. The program will focus on the skills and tools used by professionals in the fields of Criminal Justice. These courses incorporate job specific skills while continuing to delve into the criminal justice system. High school students attending the criminal justice program will earn twelve credit hours for their concurrent enrollment at College of the Ouachita’s.

WELDING I, II, III, & IV (495550)
Course length: one year
Grade: 11, 12
Credit: 1 credit
This instructional program prepares individuals to apply technical knowledge and skills to unite or separate metal parts by heating, using a variety of techniques and equipment. Emphasis of this course will be the use of gas metal arc welders. These instructional programs prepare individuals to apply technical knowledge and to unite or separate metal parts by heating, using a variety of techniques and equipment. Emphasis of this course will be the use of gas tungsten arc welders.
ADVANCED MANUFACTURING I-(590320 & 590820)
Course length: one year
Grade: 11, 12
Credit: 1 credit

Students have the opportunity to test for their AutoDesk certification and learn how to interpret the parts and instructions within a blueprint.

INDUSTRIAL EQUIPMENT MAINTAINANCE TECH II (590830)
Course length: one year
Grade: 11, 12
Credit: 1 credit

Students learn the basic laws and principles surrounding D.C. and A.C. electricity, including topics such as current flow, voltage, power and resistance, Ohm’s Law, complex circuits and magnetism.

INDUSTRIAL EQUIPMENT MAINTAINANCE TECH III & IV (590840 & 590850)
Course length: one year
Grade: 11, 12
Credit: 1 credit

Students are introduced to the basic fundamentals of hydraulic and pneumatic systems of operation, their uses, and their application in various industries. Topics include: pumps, control valves, cylinders, seals, air compressors, filters, pressure regulators, pressure control valves, and flow controls. Students learn the integration of electronics, mechanics, pneumatics, hydraulics, and information technology and computer control systems rolled into a single discipline that crosses most traditional boundaries of a skilled technician.
ENGL 1113 Composition I
Course length: one semester
Grade: 11, 12
Credit: 1 credit

A course designed primarily to develop in students the ability to think coherently and to write clearly and effectively, to identify their strengths and improve on their weaknesses in writing, and to read with understanding. Students will write essays based on personal experience and refine their use of grammar in thesis-driven short essays (350-500 words).
Prerequisite: Academic Reading (READ 1013) with a “C” or better or required placement test score AND Basic Writing (ENGL 1103) with a "C" or better or required placement score.

ENGL 1213 Composition II
Course length: one semester
Grade: 11, 12
Credit: 1 credit

A course designed to refine the ability to think logically and coherently, to write clearly and effectively, to gain further knowledge of the structure of the language, and to read with understanding. The class will help students understand audience and work toward developing a fully-documented research paper that demonstrates mastery of thesis statement, organization, quoting, summarizing, paraphrasing, and editing of the written word. The study of short stories, poetry, drama, and essays provides topical ideas for more lengthy and scholarly essays (500-1000 words using accepted documentation formats).
Prerequisite: Composition I (ENGL 1113) with a "C" or better.

ENGL 2213 World Literature I
Course length: one semester
Grade: 11, 12
Credit: 1 credit

This course provides students with the opportunity to read, analyze, evaluate, and discuss representative works by writers from across the globe. The course will cover works from antiquity through the Renaissance, with such Western and non-Western authors as Homer, Sappho, Sophocles, Confucius, Li Po, Ferdowski, Shikibu, and Cervantes. The course will introduce students to literary devices typically used in tragedy, the epic, lyric and pastoral poetry, and drama.
Prerequisite: Composition II (ENGL 1213) with a "C" or better. Students do not have to take this literature course in sequence.
COMM 2113 Oral Communication
Course length: one semester
Grade: 11, 12
Credit: 1 credit

A course designed to guide the student in examining the components of oral communication and in improving one-to-one communication, group discussion, and public speaking.
Prerequisite: Basic Writing (ENGL 1103) with a “C” or better OR required placement score.

GOVT 2113 American National Government
Course length: one semester
Grade: 11, 12
Credit: 1 credit

An analytical survey of the principles, organization, and functioning of the American national government. The course requires students to examine the ideals upon which the United States was founded and the development of government under the Constitution in order to better understand the American political system.
Prerequisite: Basic Writing (ENGL 1103) with a “C” or better OR required placement score.

PSYC 1113 General Psychology
Course length: one semester
Grade: 11, 12
Credit: 1 credit

An introduction to the study of human behavior including heredity, intelligence, personality, learning, motivation, and emotions.

SOCI 1113 Intro to Sociology
Course length: one semester
Grade: 11, 12
Credit: 1 credit

An introduction to the systematic study of society; an orderly approach to the analysis and explanation of human behavior as it is manifested in culture, personality, and social organization.

HIST 1123 Civilization through 16th Century
Course length: one semester
Grade: 11, 12
Credit: 1 credit

This course offers a survey of the significant economic, political, and social currents of World Civilization from the pre-historic era to the mid-seventeenth century of the Common Era. Students do not have to take civilization courses in sequence, but they generally find the classes easier if they do.
Prerequisite: Basic Writing (ENGL 1103) with a “C” or better OR required placement score.
HIST 1113 Civilization since 16th Century
Course length: one semester
Grade: 11, 12
Credit: 1 credit

This course offers a survey of the significant economic, political, and social currents of World Civilization from the pre-historic era to the mid-seventeenth century of the Common Era. Students do not have to take civilization courses in sequence, but they generally find the classes easier if they do.

MATH 1143 College Algebra
Course length: one semester
Grade: 11, 12
Credit: 1 credit

A course designed to prepare students to pursue degrees in mathematics, business, or the sciences, and to meet the state minimum core curriculum. Emphasis is placed on problem solving and analysis. Topics include: quadratic equations and inequalities; polynomial, rational, exponential, and logarithmic functions; graphing functions; inverse functions; zeroes of polynomial functions; non-linear equations; and matrices.

Prerequisite: Intermediate Algebra (MATH 1023) with a "C" or better or required placement score.

BIOL 1124 Intro to Biology
Course length: one semester
Grade: 11, 12
Credit: 1 credit

A general education course in biology for NON-MAJORS introducing key concepts and methods such as the scientific method, classification, cell structure and function, cellular reproduction, genetics, evolutionary adaptation, and ecology. Laboratory exercises will be provided to demonstrate and reinforce the principles covered in class.

Prerequisite: Basic Writing (ENGL 1103) with a “C” or better OR required placement score.

BIOL 2224 Anatomy & Physiology I
Course length: one semester
Grade: 11, 12
Credit: 1 credit

This course is the first semester of a two-semester sequence. This course emphasizes the anatomy and physiology of the human organism with reference to health-related topics. After an introduction, the following topics will be discussed: basic chemistry, cell biology, histology, integumentary system, skeletal system, muscular system, and nervous system. Laboratory exercises will be provided to demonstrate and reinforce the principles of anatomy and physiology. This course cannot be used for credit toward a biology major or minor.

Prerequisite: Basic Writing (ENGL 1103) with a “C” or better OR required placement score.

BIOL 2244 Microbiology
Course length: one semester
Grade: 11, 12
Credit: 1 credit

This course emphasizes microbiology with reference to health-related topics. After an introduction, the following topics will be discussed: microbiology overview, observing microorganisms, anatomy, metabolism, growth, control, genetics, taxonomy, disease and epidemiology, pathogenicity, host defenses and associated disorders, applied microbiology, and antimicrobial drugs and resistance. Laboratory exercises will be provided to demonstrate and reinforce the principles of microbiology and its impact on public health.

Prerequisite: Anatomy and Physiology I (BIOL 2224) or Intro to Biology (BIOL 1124) with a “C” or better.
DATA 1123 Fundamentals of Information Technology
Course length: one semester
Grade: 11, 12
Credit: 1 credit

This course introduces students to available technology resources and to computer concepts, hardware, software, file management, networks, e-mail, and the Internet. It also provides hands-on application in word processing, presentation, spreadsheet, and database management software.

Prerequisite: Score proficient on the College’s required Keyboarding Entrance Exam.

ACTG 1113 Principles of Accounting I
Course length: one semester
Grade: 11, 12
Credit: 1 credit

Students are introduced to the fundamental principles of accounting as they apply to the sole-proprietorship, partnership, and corporate forms of business. The preparation of basic financial statements and the study of basic financial accounting concepts are stressed.

Prerequisite: MATH 1013 Basic Algebra or required placement score for MATH 1023 Intermediate Algebra or higher.

ACTG 1203 Principles of Accounting II
Course length: one semester
Grade: 11, 12
Credit: 1 credit

This course is a continuation of Accounting I. Emphasis is placed on accounting for partnerships, limited liability companies, and corporations along with an introduction to the use of managerial accounting systems for planning, control, and decision-making.

Prerequisite: ACTG 1113 Principles of Accounting I with a grade of “C” or better.

ECON Principles of Macroeconomics
Course length: one semester
Grade: 11, 12
Credit: 1 credit

A study of macroeconomic principles including market system, national income equilibriums, money and the banking system. Emphasis is placed on policies regarding inflation, unemployment, and economic growth and the government’s effect on general business conditions. Students do not have to take this economics course in sequence.

Prerequisite: Basic Writing (ENGL 1103) with a “C” or better OR required placement score.