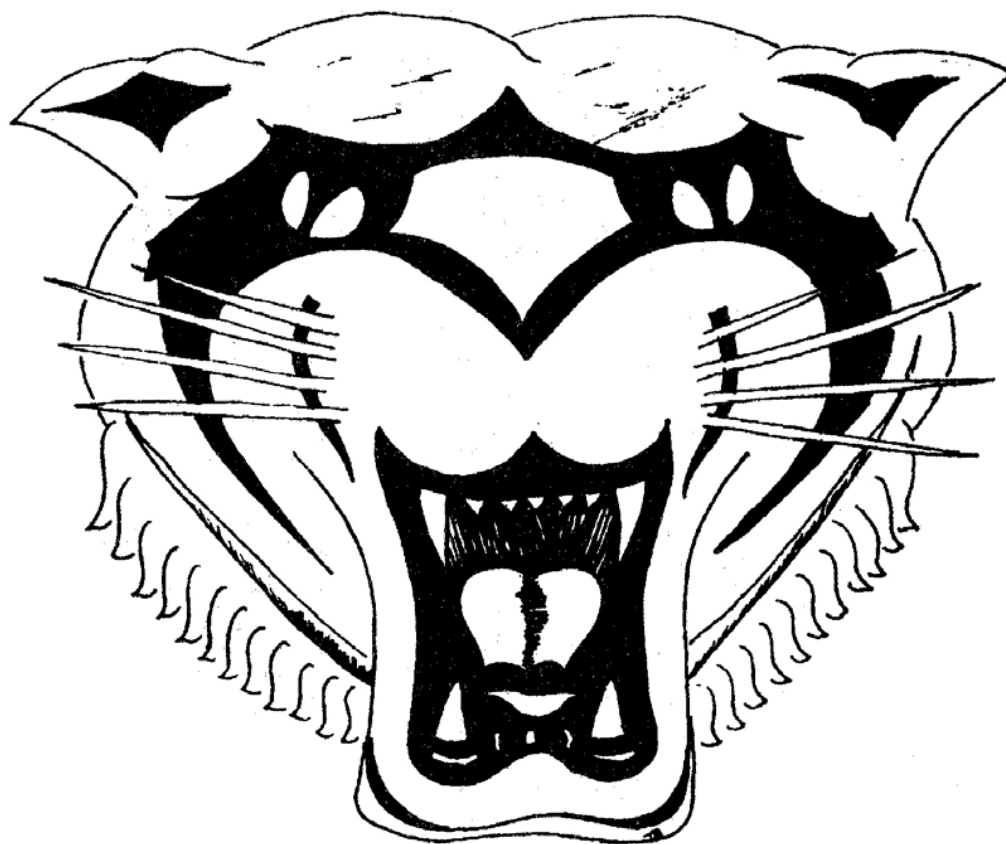


# Cullman High School



**Course Catalog  
2009-2010**

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### MISSION STATEMENT

In keeping with Cullman High School's tradition of excellence, our mission is to ensure that students realize their potential through a system characterized by an exemplary staff, an involved community, an optimal utilization of resources, and a willingness to effect change.

### DIPLOMA REQUIREMENTS

Students are provided the opportunity to earn the Alabama High School Diploma with various academic endorsements. Only students meeting all requirements for graduation prior to the graduation ceremony will be allowed to participate in any part of the graduation ceremonies. All students receiving an Alabama High School Diploma or Alabama High School Diploma with Advanced Academic Endorsement must pass the Reading, Language, Math, Science, and Social Science portions of the Alabama High School Graduation Exam.

#### Alabama High School Diploma

The Alabama High School Diploma will be issued to all students who complete the minimum state course requirements, earn twenty-four Carnegie units, and pass the Alabama High School Graduation Exam. The following units are required.

English	4 units	English 9, 10, 11, and 12
Social Science	4 units	Modern World History, Early U.S. History, Modern U.S. History, American Government (1/2 unit), Economics (1/2 unit)
Mathematics	4 units	Must include the equivalent of Algebra I and Geometry.
Science	4 units	Must include Biology and any physical science (i.e., Physical Science, Chemistry, or Physics).
*Physical Education	1 unit	
Health Education	½ unit	
Fine Arts	½ unit	Band, Chorus, Visual Art, Ceramics, or Drama
**Computer Applications	½ unit	
Electives	5 ½ units	

\*Marching Band satisfies the Physical Education requirement.

\*\*The computer applications requirement may be waived if computer literacy, keyboarding skills, and introductory applications are verified. If the requirement is waived, six elective units will be required for graduation.

#### Alabama High School Diploma with Advanced Academic Endorsement

The Alabama High School Diploma with Advanced Academic Endorsement will be issued to all students who complete the state requirements for advanced endorsement, earn twenty-six Carnegie units, and pass the Alabama High School Graduation Exam. **Summer School credit will not be accepted for an advanced endorsement.** The following units are required.

English	4 units	English 9, 10, 11, and 12
Social Science	4 units	Modern World History, Early U.S. History, Modern U.S. History, American Government (1/2 unit), Economics (1/2 unit)
Mathematics	4 units	Algebra I, Geometry, Algebra II with Trigonometry, one additional upper level math (i.e., Algebra III with Statistics, Precalculus, Calculus, or AP Calculus)
Science	4 units	Must include Biology and Chemistry
Foreign Language	2 units	Must be two units of the same foreign language
*Physical Education	1 unit	
Health Education	½ unit	
Fine Arts	½ unit	Band, Chorus, Visual Art, Ceramics, or Drama
**Computer Applications	½ unit	
Electives	5 ½ units	

\*Marching Band satisfies the Physical Education requirement.

\*\*The computer applications requirement may be waived if computer literacy, keyboarding skills, and introductory applications are verified through testing by qualified school staff. If the requirement is waived, six elective units will be required for graduation.

### Alabama Occupational Diploma

The Alabama Occupational Diploma (AOD) is an option only for students with disabilities, as defined by the Individuals with Disabilities Education Act. Students must earn twenty-four Carnegie units.

English	4 units	Employment English I, II, III, and IV
Social Science	4 units	World History for Living, United States History for Living I, United States History for Living II, and Economics/United States Government for Living
Mathematics	4 units	Essential Mathematics I and II; Algebraic Explorations I and II
Science	4 units	Life Skills Science I, II, III, and Science Connections IV
Career/Technical Education	2 units	
Coordinated Studies	1 unit	
Cooperative Career/Technical Education	1 unit	
*Physical Education	1 unit	
Health	½ unit	
Fine Arts	½ unit	Band, Chorus, Visual Art, or Drama
Electives	2 units	

\*Marching Band satisfies the Physical Education requirement.

### **Certificate of Attendance**

Special education students will be awarded a graduation certificate and afforded the opportunity to participate in graduation activities under the following circumstances:

1. Accumulates the required number of Carnegie units for graduation but does not pass the Alabama High School Graduation Exam; or
2. Passes the Alabama High School Graduation Exam but does not accumulate the required number of Carnegie units for graduation; or
3. Successfully completes the prescribed program specified in his/her Individual Education Plan (IEP) for high school graduation.

### **PROMOTION REQUIREMENTS**

To be classified as a sophomore, a student must have earned five credits (including Freshman English).

To be classified as a junior, a student must have earned eleven credits (including Sophomore English).

To be classified as a senior, a student must have earned seventeen credits and be eligible to graduate during that school year.

Students will be assigned to homerooms based on the number of credits earned at the beginning of each term.

### **ADVANCED PLACEMENT (AP) COURSES**

The Advanced Placement (AP) program allows advanced students to complete college level studies and receive college credit while in high school. AP classes are composed of students who have excelled in high school, have a high interest in the subject area, and are college bound. The program is valued for its contribution to academic excellence. Studies indicate that students who take AP courses are better prepared for college and do extremely well through their college careers.

AP courses are weighted ten points. The grade earned will appear on the report card and transcript. However, the ten weighted points will be reflected in the numeric GPA.

To receive college credit, a student must take the AP test which will be given in May. Most universities accept grades of three and above (five is the highest score possible). The Advanced Placement Program charges a fee of \$82.00 to take an AP test.

### **HONORS COURSES**

Honors courses are designed for the advanced college-bound student. The curriculum provides students with the opportunity to take advanced-level courses in language arts, math, science, social science, and foreign language. These courses follow the Alabama Course of Study and include enrichment activities, extra projects, research, and/or laboratory experiences.

Students planning to attend college are encouraged to contact several colleges in which they are interested to determine the academic requirements for admission. This should be done early and reviewed each year.

Honors courses are weighted five points. The grade earned will appear on the report card and transcript. However, the five weighted points will be reflected in the numeric GPA.

### **DUAL ENROLLMENT**

Dual enrollment affords senior students the opportunity to enroll in a post-secondary institution while attending high school for the purpose of enrichment or earning credits for a high school diploma and/or a post-secondary degree. Students should see their counselor for details.

Enrollment in academic courses will generally require a 3.0 GPA and an ACT score of at least 20 in specific subject areas. Dual enrollment will be allowed in the following academic courses: Calculus, Chemistry, English, and Advanced Placement courses. Other courses may be taken with administrative approval. Administrative permission is required prior to enrolling in dual enrollment courses.

Dual enrollment courses are weighted five points. The grade earned will appear on the report card and transcript. However, the five weighted points will be reflected in the numeric GPA.

### **CAREER TECHNICAL COURSES**

Technical courses are offered in Agriscience, Business Education, Carpentry, Drafting, Family and Consumer Sciences, and Marketing Education.

### **WORK EXPERIENCE/COORDINATED STUDIES**

Students who want to participate in work experience during the school day must enroll in coordinated studies. Refer to coordinated studies on pages 27 and 28.

### **ACADEMIC REQUIREMENTS FOR ATHLETIC ELIGIBILITY**

Students entering the 10<sup>th</sup>, 11<sup>th</sup>, and 12<sup>th</sup> grades must have passed at least six Carnegie units with a minimum composite numerical average of 70 in those six units during the last two semesters in attendance and summer school, if applicable.

- Four core curriculum courses must be included in those units passed and averaged. (English, mathematics, science, and social science are core curriculum courses. Any combination of these courses is accepted.)
- Any student that accumulates more than four units of core courses per year may earn less than the required four core courses during the next school year and be eligible as long as the student remains on track for graduation with his/her class.

Students entering the 9<sup>th</sup> grade must have passed during the last two semesters in attendance and summer school, if applicable, at least five new subjects with a minimum composite numerical average of 70 in those five subjects and must have been promoted to the next grade.

Parents and students should take great care in selecting courses during the registration process and communicate with their counselor and the high school's athletic director to ensure athletic eligibility.

### **NCAA REQUIREMENTS FOR COLLEGE ATHLETICS**

Some courses taught at Cullman High School may not meet NCAA eligibility requirements. It is the student's responsibility to make sure the NCAA Initial-Eligibility Clearinghouse has the documents to certify eligibility. For more information go to [www.ncaa.org](http://www.ncaa.org), click on "Custom Home Pages" and pull the menu down to the "Prospect/Parent" page. If you have questions regarding NCAA eligibility, call the NCAA Initial Eligibility Clearinghouse at (319) 337-1492 or toll-free at (877) 262 1492. You may also call the NCAA at (317) 917-6222. You may also contact the Cullman High School Athletic Director if you have questions.

### **SCHEDULE CHANGES**

Extreme care must be exercised in the selection of courses. The master schedule, textbook purchase, and school staffing is based upon the selection of courses by students. Therefore, students will only be allowed to make changes to their course selections through April 9, 2009. After this date, course changes will only be allowed for extreme or documented extenuating circumstances such as failure of a course and/or when course numbers will allow. These changes will require administrative approval and must be made during the first three days of the semester. Lateral changes (e.g., Honors English 10 to English 10, Algebra IA to Algebra I, etc.) may be made during days four through ten of a semester. No changes will be allowed after

day ten of a semester. Requests for specific instructors will not be honored. When a student fails a course during the first semester, the student will not be guaranteed an opportunity to change his/her schedule so he/she may take the failed course again during that school year. A \$20 fee will be charged for each course change.

A parental override form must be signed when a student is attempting to enroll in a course that has not received a teacher recommendation. Parents must come to the guidance office and personally sign the override form for the request to be given consideration. Students must meet course prerequisites to be enrolled in honors and AP courses.

Course selections have a direct bearing on future career decisions; therefore, parents must sign the registration form indicating approval of their student's course requests. Elective requests cannot always be honored due to classes being full and/or course conflicts. Students should be careful to choose alternate courses; otherwise, the counselors will make the choice.

### **FEES**

A fee is required for certain courses to assist with the cost of maintaining equipment and the purchasing of materials. A list of general fees is found below. Course fees are in course descriptions.

Lockers	\$7.00/year
Parking	\$20.00/year

### **REPORT CARDS**

Students receive report cards each six weeks on the days posted in the school calendar. Parents are encouraged to communicate with teachers throughout the school year and request conferences as needed concerning a student's academic progress.

### **ATTENDANCE**

Because good student attendance enhances learning, it is extremely important that students attend school each day. Therefore, credit may be denied if a student accumulates more than five absences in any one class.

### **GUIDELINES FOR TRANSFER STUDENTS**

Counselors and/or administrators will review the awarding of credit and placement in classes for all incoming transfer students. A transcript of grades and credits earned from the transfer student's previous school is required for registration.

Students enrolling after a semester begins will be responsible for the same course material as those in full attendance. When a student transfers from another school, the student's grades will be averaged proportionally based on the number of weeks attended in each school.

All students must be enrolled by their legal guardian. In cases where custody is an issue, court papers must be presented to the school principal or designee prior to admission. According to CCS board policy, Power of Attorney will not be accepted as proof of guardianship.

## COURSE DESCRIPTIONS

Each course counts for one-half Carnegie unit.

### ALL ENGLISH STUDENTS: 9-12

All students must have a USB drive.

All students are responsible for acquiring copies of required reading not found in the textbook.

## ENGLISH

All parents and students should read the appendices A and B on pages 35-37 before registering for English courses. Each student must have a jump drive for English assignments. Floppy discs are not acceptable.

**Graduation requirements:** Four credits to include English 9, English 10, English 11, and English 12.

### 1121 English 9 P1

### 1122 English 9 P2

This course is designed for students who require an extensive review of the basic grammar, composition, vocabulary, reading, and study skills. Students will be responsible for acquiring copies of literary works used for outside reading. Students expand their composition skills by writing multiple paragraphs in four different modes. Students will be required to read a minimum of four to six major works as well as short stories and poetry. Summer reading is required.

### 1141 Honors English 9 P1

### 1142 Honors English 9 P2

Students will review grammar skills and complete text related vocabulary study. In composition, students will expand their skills beyond the basic five paragraph essay and develop proficiency in literary analysis. Students are required to read a minimum of four major works per semester. In addition, students will study short stories, essays, plays, and poems in the literature book focusing on early American authors. Summer reading with a written element will be required. Prerequisites: this course is designed for students who have maintained an 85 average in ninth grade Honors English or any student who has maintained a 90 average in the regular ninth grade English class.

### 1221 English 10 P1

### 1222 English 10 P2

This course begins with a review of basic grammar, composition, vocabulary, and reading skills with emphasis placed on skills for the Alabama High School Graduation Exam. Students expand their composition skills by writing multiple paragraph compositions in the expository, persuasive, and narrative modes. Students are required to read a minimum of two major works per semester. In addition, students will study early American authors and literature in varying genres from the literature book. Summer reading will be required. Prerequisite: English 9

### 1241 Honors English 10 P1

### 1242 Honors English 10 P2

Students will review grammar skills and complete extensive vocabulary study. In composition, students will expand their skills to multiple paragraph essays and literary analysis essays. Students are required to read a minimum of seven major works as well as *Julius Caesar*. In addition, students will study short stories, essays, plays, and poems in the literature book. Students will be responsible for acquiring copies of required readings not found in the literature book. Summer reading will be required. Prerequisites: this course is designed for students who have maintained an 85 average in a ninth grade Honors English or any student who has maintained a 90 average in the regular ninth grade English class.

**1321 English 11 P1**

**1322 English 11 P2**

This course reviews all grammar objectives covered on the Alabama High School Graduation Exam. Students expand their composition skills in writing extended compositions, including research. Students are taught step by step the process of writing a research paper. Each student will read four to six major works, examining themes and authors of American literature. Students will be responsible for acquiring copies of required readings not found in the literature book. Summer reading will be required. Prerequisite: English 10

**1341 Honors English 11 P1**

**1342 Honors English 11 P2**

This course is designed for students who have mastered the grammar objectives on the Alabama High School Graduation Exam and have maintained an 80 average in a previous Honors English class or have maintained a 90 average in prior college preparatory classes. Students must maintain an 80 average in Honors English in order to remain at this level. Students expand their composition skills in writing multiple paragraph compositions, including the research paper. Students are taught step by step the process of writing a research paper. Students will study a minimum of eight major works, examining primarily themes and authors of American literature. Students will be responsible for acquiring copies of required reading not found in the literature book. (Required reading and summer assignments will be determined in the event this class is offered.)

**1351 Advanced Placement English Language and Composition P1**

**1352 Advanced Placement English Language and Composition P2**

This course is designed for advanced readers and writers who are eager to examine the use of language in depth. In addition to covering 20<sup>th</sup> century American literature, the course trains students to become skilled readers and writers in diverse genres and modes of composition. The course will be taught at the college level; thus, students must be mature scholars, prepared to think critically. This course will satisfy the graduation requirement for eleventh grade English. Students may earn college credit by scoring a 3, 4, or 5 on the AP test. Summer reading will be required. Prerequisite: tenth grade honors or regular English teacher recommendation

**1421 English 12 P1**

**1422 English 12 P2**

This course provides instruction and practice in English grammar, usage, and mechanics as they are applied to various types of compositions or equivalent assignments. Also included is the instruction and practice in research. British literature covers the Anglo-Saxon Period through the present. Summer reading is required. Prerequisite: English 11

**1441 English 12 Dual Enrollment P1 (English 101)**

This course provides instruction and practice in the writing of at least six extended compositions or equivalent assignments and the development of and critical reading skills and basic reference and documentation skills. College credit can be earned. Summer reading is required. Prerequisite: Minimum ACT English score of 20 or Compass Placement exam (WSCC)

GPA: 80

English: 80

**1442 English12 Dual Enrollment P2 (English 102)**

This course provides instruction and practice in the writing of six formal essays or equivalent assignments. Required literary genres include short stories, poetry, drama, and fiction. College credit can be earned. Summer reading will be required. Prerequisite: 70 or higher in English 12 Dual Enrollment Part 1

**1451 Advanced Placement English Literature and Composition P1**

**1452 Advanced Placement English Literature and Composition P2**

Advanced Placement (AP) English offers academically gifted students the opportunity to earn college credit while in high school. This is an advanced college level course requiring a great deal of reading and writing designed to prepare students for the rigor of university study. Students are encouraged (but not required) to take the AP Exam. College credit can be earned at most major universities by scoring a 3, 4, or 5 on the exam. This course will satisfy the twelfth grade English requirement for graduation. Summer reading with a written element is required. Prerequisite: Recommendation from English 11 teacher or AP English Language and Composition teacher

**English/Language Arts Electives:** These courses do not satisfy any of the four English credits required for graduation. They can only be taken for elective credit.

**1481 Speech (Grades 10-12)**

Speech class is a one-trimester course. Students are taught all basic elements of speech making, including research, outlining, and body language. Formal, informal, and impromptu presentations will be required. Oral drills in voice and diction are also a vital part of the course. All presentations are video taped and then reviewed by the student to ensure improvement with each presentation.

**1482 Creative Writing I (Grades 10-12)**

The creative writing class is designed to help students explore different genres of creative writing and to write in these different genres. The class will concentrate on improving as individual writers in a supportive and open atmosphere. This class will also offer information, guidance, and encouragement for writing contests throughout the state.

**1483 Literary Magazine Production (Grades 11-12)**

This advanced level of creative writing offers opportunities for students to further enhance their writing through creative assignments. The students will be submitting to, editing, designing, and ultimately publishing the school's literary magazine. Lessons in Adobe Photoshop as well as Adobe InDesign will enable students to use technology for magazine production. One publication is expected each year. The magazine advisor makes staff selections with consideration given to grades, activities, writing samples, cooperative spirits, and recommendations. Prerequisites: Creative Writing I

**1484 English for Language Learners (Grades 9-12)**

This course is designed for students who are learning the English Language and need a structured program to remediate targeted weaknesses. Basic grammar, writing, and reading skills are emphasized.

**1612 Hilight (Grades 10-12)**

The newspaper class, composed of students in the tenth, eleventh and twelfth grades, meets one period per day. The primary purpose of the class is the publication of six editions of THE HILIGHT. The staff is responsible for financing the newspaper through the sale of advertisements. Students are expected to master digital photography and many computer skills necessary for layout (Photoshop, Pagemaker, etc.). This course may be taken more than one term during a school year. Selection is made by the newspaper advisor with consideration given to grades, activities, writing samples, and recommendations.

### 1712 Southerner (Grades 10-12)

The yearbook staff meets one period per day with its primary purpose being the publication of the *Southerner*. The staff is responsible for financing the yearbook through the sale of yearbooks and advertisements. This course should be taken for the entire school year. The yearbook advisor will select staff members by considering grades, activities, and recommendations.

## MATHEMATICS

**Graduation requirements:** Four credits to include the equivalent of Algebra I and Geometry. Both Algebra IA and Algebra IB must be passed to satisfy the Algebra I graduation requirement. To receive a diploma with an advanced academic endorsement the courses must include Algebra II with Trigonometry.

### 2111 Algebra I P1

### 2112 Algebra I P2

This course is an in-depth study of algebraic concepts and the real number system. In the course students develop a greater understanding of an appreciation for algebraic properties and operations. Course topics include the real number system and its properties, using linear and quadratic equations to solve problems, functions, solving systems of equations, inequalities, data analysis, and probability. This course satisfies the requirements for the Advanced Academic Diploma. Calculators will not be used in this course. Prerequisite: at least an 85 average in Pre-algebra or had Algebra I in the eighth grade

### 2121 Algebra IA P1

### 2122 Algebra IA P2

This course is the first of a two-part course sequence, which satisfies the Algebra I requirement for graduation. Students enrolled in these courses should expect the same course content listed in Algebra I. This two-part course sequence is designed for the student who has difficulty mastering algebra concepts and would benefit from more practice and hands-on experiences. Content in this course along with the Algebra IB will be assessed as part of graduation requirements. Calculator use is recommended. This course does not satisfy the requirement for the Advanced Academic Diploma.

**Both Algebra IA and Algebra IB must be completed to satisfy the Algebra I graduation requirement. Algebra IA and Algebra IB should be completed by the end of the tenth grade.**

### 2131 Algebra IB P1

### 2132 Algebra IB P2

Algebra I-B is the second of a two-part course sequence, which satisfies the Algebra I requirement for graduation. Students enrolled in these courses should expect the same course content listed in Algebra I. This two-part course sequence is designed for the student who has difficulty mastering algebra concepts and would benefit from more practice and hands-on experience. Content in this course along with the Algebra IA will be assessed as part of graduation requirements. Calculator use is recommended. This course does not satisfy the requirement for the Advanced Academic Diploma. Prerequisite: Algebra IA

**Both Algebra IA and Algebra IB must be completed to satisfy the Algebra I graduation requirement. Algebra IA and Algebra IB should be completed by the end of the tenth grade.**

### 2211 Geometry P1

### 2212 Geometry P2

This course provides experiences that increase student understanding of triangles, circles and other convex polygons and their properties. Exploratory development of concepts related to two- and three- dimensional figures is integral to this course. Constructing, drawing, measuring, and modeling are used to further the

understanding of properties of geometric figures and to represent real world situations. Concepts such as parallel and perpendicular lines, congruent and similar polygons, and various symmetries are studied in many contexts. This course satisfies the requirement for the Advanced Academic Diploma. Calculators will not be used in this course. Prerequisite: At least a 75 average in Algebra I

**2231 Geometry A P1**

**2232 Geometry A P2**

Geometry A is the first course of a two-part sequence, which satisfies the Geometry requirement for graduation. Students enrolled in these courses should expect the same course content listed in Geometry. This two-part course sequence is designed for a student who has difficulty in mastering geometrical concepts and would benefit from more practice and hands-on experiences. Calculator use is acceptable. This course does not satisfy the requirement for the Advanced Academic Diploma. Prerequisite: Algebra I or equivalency

**2241 Geometry B P1**

**2242 Geometry B P2**

Geometry B is the second course of a two-part course sequence which satisfies the Geometry requirement for graduation. Students enrolled in these courses should expect the same course content listed in Geometry. This two-part course sequence is designed for a student who has difficulty mastering geometrical concepts and would benefit from more practice and hands-on experiences. Calculator use is required. This course does not satisfy the requirement for the Advanced Academic Diploma. Prerequisite: Geometry A or equivalency

**2261 Honors Geometry P1**

**2262 Honors Geometry P2**

This is an accelerated course that satisfies the geometry requirement for graduation. In this course students are provided with knowledge about shapes and properties that assists with the development of spatial sense, critical for further study in mathematics and for everyday life. Emphasis is placed on the power of deductive reasoning, expressed either informally or formally in a variety of formats. Students in this course are also required to participate in math tournaments and to take the state written exam. Math team competition is required for enrollment in this class. This course satisfies the requirements for the Advanced Academic Diploma. Calculators will not be used in this course. Prerequisite: At least an 85 average in Algebra I and approval from previous Algebra I teacher

**2243 Algebraic Connections P1**

**2244 Algebraic Connections P2**

This course provides students with a bridge to courses beyond the level of Algebra I and Geometry to the mathematical empowerment needed to make responsible financial and economic decisions. It is designed for 1) students who need additional mathematical experiences prior to enrollment in Algebra II without Trigonometry and 2) students for whom this will be a culminating high school mathematics course. The course extends the scope of content of the prerequisite courses, integrating topics from algebra, geometry, measurement, probability and statistics with an emphasis on real-world applications. This course does not satisfy the requirement for the Advanced Academic Diploma. Prerequisites: Algebra I and Geometry or their equivalency

**2701 Algebra II without Trigonometry P1**

**2702 Algebra II without Trigonometry P2**

Algebra II provides a more in-depth treatment of algebraic concepts presented in Algebra I while introducing several higher-level topics. Quadratic equations function graphing, systems of equations, and inequalities are topics expanded in this course. Sequences and series, complex numbers, exponential and logarithmic functions, and matrices are introduced. Statistics and probability topics include application of counting principles. It does not provide sufficient background to prepare students to pursue higher-level mathematics

courses such as Algebra III with Statistics or Precalculus. This course does not satisfy the requirement for the Advanced Academic Diploma. Prerequisites: Algebra I and geometry or their equivalency

**2331 Algebra II with Trigonometry P1**

**2332 Algebra II with Trigonometry P2**

Algebra II with Trigonometry provides a more in-depth treatment of algebraic concepts presented in Algebra I while introducing several higher-level topics. Quadratic equations function graphing, systems of equations and inequalities, and trigonometry are topics expanded in this course. Graphic functions, sequences and series, complex numbers, exponential and logarithmic functions, and matrices are introduced. Statistics and probability topics include linear regression and applications of counting principles. Graphing calculator use is recommended. Algebra II with Trigonometry is required for all students seeking the Advanced Academic Diploma. Prerequisites: Algebra I and at least a 75 average in Geometry

**2341 Honors Algebra II with Trigonometry P1**

**2342 Honors Algebra II with Trigonometry P2**

This is an accelerated course that covers quadratic equations, conic sections, graphic functions, systems of equations, matrices, inequalities and basic trigonometry. Sequences and series, complex numbers and exponential and logarithmic functions are also introduced. Statistics and probability topics include application of counting principles. Graphing calculators are recommended. Math team competition is required for enrollment in this class. This course satisfies the requirements for Algebra II in the Advanced Academic Diploma. Prerequisites: Algebra I, at least an 80 average in Honors Geometry, or teacher recommendation

**2343 Algebra III with Statistics P1**

**2344 Algebra III with Statistics P2**

This class will concentrate on strengthening algebraic skills developed in Algebra I and Algebra II with Trigonometry. It also provides an introduction to probability and statistics. Areas of focus include solving a variety of polynomial equations (absolute value, rational, linear, quadratic and higher order), functions (polynomial, logarithmic, circular, trigonometric and exponential), probability and statistics, sequences and series, and symmetry. Other topics covered include conic sections, polar coordinates, vectors, matrices and the Binomial Theorem. This course satisfies the requirements for the Advanced Academic Diploma. Prerequisite: Algebra II with Trigonometry

**2002 Precalculus P1**

**2003 Precalculus P2**

Precalculus is a college-preparatory course intended for highly motivated students who have successfully completed Algebra I, Geometry and Algebra II with Trigonometry. A variety of topics are reviewed and expanded upon, including trigonometry, complex numbers, functions, graphing and logarithms. Many topics are combined to explore new areas such vectors, matrices, polynomial theory and induction proofs. Graphing is studied in-depth to determine properties of functions. Many other areas are covered to give the college-bound student a basis for calculus. Graphing calculator use is recommended. This course satisfies the requirements for the Advanced Academic Diploma. College credit may be earned through dual enrollment for part two of the course. Prerequisite: At least a 75 average in Algebra II with Trigonometry

**2006 Honors Precalculus P1**

**2007 Honors Precalculus P2**

This is a rigorous mathematics course designed for math team competition at the 11<sup>th</sup> grade level. It includes all the topics covered in precalculus math but prepares the students for competition and for AP Calculus. Graphing Calculators are highly recommended. College credit may be earned through dual enrollment with the local college for the second trimester of this course. Math team competition is required for enrollment in this class. This course satisfies the requirements for the Advanced Academic Diploma. Prerequisites: At least an 80 average in Honors Algebra II with Trigonometry or teacher recommendation.

**2501 Calculus P1****2502 Calculus P2**

This is a rigorous math course designed for those students who will need no math course beyond calculus in college. College credit may be obtained through dual enrollment with the local college. Topics include functions, limits, derivatives, applications of derivatives, integrals and application of integrals, transcendental functions, and integrals. This course is beyond the minimum requirements for the Advanced Academic Diploma. Pre-requisite: At least an 80 average in pre-calculus or teacher recommendation.

**2621 Advanced Placement Calculus AB P1****2622 Advanced Placement Calculus AB P2**

This is a rigorous course in mathematics basically designed to prepare students for the Calculus AB exam. Topics covered include functions, limits, derivatives, integrals, inverse functions and application problems. Students are encouraged (but not required) to take the AB exam. College credit may be earned in two ways: a) taking and scoring high enough on the AB exam or b) dual enrollment with the local college. This course is beyond the minimum requirements for the Advanced Academic Diploma. Prerequisites: At least an 80 average in Precalculus.

## SCIENCE

**Graduation requirements:** Four credits to include biology, a physical science (i.e., physical science, chemistry, or physics), and two other sciences. Students wishing to take higher levels of science during their junior and senior years may enroll in biology in the ninth grade and fulfill the physical science requirement by taking chemistry and/or physics.

**3201 Physical Science P1****3202 Physical Science P2**

Physical Science is a study of the relationship between matter and energy. Topics to be discussed are as follows: sound and light waves, Newton's Three Laws of Motion, speed and acceleration, work and energy, molecular motion, heat and thermodynamics, electricity and circuits, current atomic theory, radioactivity and alternative energy sources, common chemical reactions and bonding, gas laws, solubility, and the periodic table of elements. The course requires basic mathematical skills.

**3151 Biology P1****3152 Biology P2**

This is a comprehensive biology course for 10<sup>th</sup> grade, topics in the course include: ecology, cellular biology, biochemistry, genetics, taxonomy, and a survey of the five kingdoms. The topics are explored through discussions, demonstrations, laboratory exercises, videotapes, computer activities, dissections, and projects. The course utilizes skills of scientific observation, data collection, scientific illustrations, group work, and inquiry. This course is required for graduation.

**3181 Honors Biology P1****3182 Honors Biology P2**

This course offers the same subject matter described for Biology but with greater depth of presentation. Prerequisite: An A average in Physical Science, 8<sup>th</sup> grade science, or Algebra I.

**3261 Environmental Science P1**

**3262 Environmental Science P2**

Environmental Science emphasizes the relationship of humans with their biological and physical environment. Students will study a variety of topics including ecosystems, adaptation, biomes, resources, population, pollution, disease, and natural disasters. This course is especially designed to encourage awareness toward global changes and offer problem solving techniques associated with current environmental issues such as global warming and extinction.

**3515 Forensic Science P1**

**3516 Forensic Science P2**

This course focuses on the analysis of evidence collection, the decomposition process, crime scenes, skeletal remains, toxicology, and document validity. Case studies and crime scenarios will help students understand the implications and complicated issues that are emerging as the science of forensics continues to develop. Part two focuses on the analysis of evidence collection, the decomposition process, skeletal remains, pathology, DNA fingerprinting and testing, toxicology, trace evidence analysis and identification, blood typing and spattering, as well as studies of infamous cases. Crime scene scenarios will help students understand the implications and complicated issues that are emerging as the science of forensics continues to develop. Prerequisite: This course is for juniors and seniors that have passed Biology and Physical Science.

**3517 Earth and Space Science P1**

**3518 Earth and Space Science P2**

This course focuses upon the earth's surface, structure, and atmosphere, including a study of the earth's relationship to the moon and surrounding universe. Major topics include geology, meteorology, astronomy, and space exploration.

**3511 Anatomy and Physiology P1**

**3512 Anatomy and Physiology P2**

Anatomy and Physiology is the study of the structure and function of the human body. Topics follow the organization and integration of the body through each of its systems. Practical applications and lab experiences are designed for students interested in pursuing careers in the medical and allied health fields.

**3311 Chemistry I P1**

**3312 Chemistry I P2**

Chemistry is the study of the composition, structure, and properties of matter and the changes it undergoes. This course emphasizes the development of atomic theory and the periodic table of the elements; basic inorganic chemistry including states of matter, properties of the elements, compounds, solutions, chemical reactions, stoichiometry, thermodynamics; properties of acids, bases, and salts; and chemistry of the environment. Laboratory experiments are hands-on activities utilizing advanced technology for data collection and analysis. Prerequisite: Algebra I

**3331 Honors Chemistry I P1**

**3332 Honors Chemistry I P2**

Honors Chemistry is primarily for the college-bound student and is a preparatory class for AP Chemistry. This course includes advanced problem-solving skills. Prerequisite: at least a B in Geometry and/or an A in Algebra I.

**3341 Chemistry II**

Chemistry II is an in-depth course in organic and biochemistry with laboratory applications. This is a one trimester course that is recommended for the third trimester after completing Chemistry I. Prerequisite: Chemistry I

**3351 Advanced Placement Chemistry P1**

**3352 Advanced Placement Chemistry P2**

Advanced Placement (AP) Chemistry is a freshman college-level chemistry course. College credit may be earned by scoring a 3, 4, or 5 on the AP Test. Students are encouraged (but not required) to take the AP exam. Prerequisite: an A in Honors Chemistry I and instructor approval.

**3401 Physics P1**

**3402 Physics P2**

Physics is the science that deals with the relationship between matter and energy. This course is an excellent preparation for college-bound students. A strong background in math is recommended. Prerequisite: at least a B in Algebra II with trigonometry or C in Precalculus or Algebra III; Precalculus or Algebra III may be taken concurrently with physics.

## **SOCIAL SCIENCE**

All students must have a USB Drive

**Graduation requirements:** Four credits that must include Modern World History, Early US History, Modern US History, Economics and US Government.

**4201 Modern World History P1**

**4202 Modern World History P2**

This course emphasis is placed on geographic impact, development of civic knowledge/responsibilities, and emerging economic systems 1500 to present. Students will analyze the development and changes in European, Asian, African, and American civilizations and ways in which the interactions of these cultures have influenced the formation of today's world. The following summer reading assignment must be completed before returning to school in August.

1. Read **Lord of the Nutcracker Men** by Ian Lawrence.
2. There will be a test and/or writing assignment when students return to school.

**4221 Early U.S. History P1**

**4222 Early U.S. History P2**

This course takes students on a journey across five centuries of social, economic, geographic, and political development in the United States. Students begin with the earliest discoveries on the North American continent and follow a chronological study of the major events, issues, movements, leaders, and groups of people of the United States through reconstruction from a national and Alabama perspective. The content and level of rigor of the course is developmentally appropriate. Prerequisite: Modern World History

**4321 Modern U.S. History P1**

**4322 Modern U.S. History P2**

The study of the history of the United States in grade 11 continues the journey begun in Grade 10 through the social, economic, geographic, and political development of the United States. Beginning with the post-Reconstruction United States and its shift into a more industrialized society, the course continues through the twentieth century to the present. Students are involved in a chronological study of the major events, issues, movements, and leaders of the United States through the present from both a national and an Alabama perspective. Students are actively involved in and are challenged by the level of expectation inherent in the required content of this course. Prerequisite: Early U.S. History

#### **4331 Advanced Placement U.S. History P1**

#### **4332 Advanced Placement U.S. History P2**

This course provides students with a thorough understanding of American History. It will be taught at the college level and requires the ability to critically interpret major historical questions and events. The course will cover American History from Colonization to the present. Advanced levels of critical thinking skills, analysis, and writing ability are required for this course. This course satisfies the Modern United States History graduation requirement. The AP Exam is recommended but not required. To obtain college credit, most colleges require a score of 3 or higher on the AP exam. Prerequisite: an A average in Modern World History and Early U.S. History, B or better average in English 10, and recommendation from Early U.S. History teacher. The following summer reading assignment must be completed before returning to school in August.

1. Read the introduction and first four chapters of **United States History: Preparing for the Advanced Placement Examination**, an Amsco Publication.
2. Define and explain the historical significance (the who, what, when, where, and why it matters in history) for each item listed on the Key Names, Events, and Terms Lists at the end of the first four chapters. The lists can be found on pages 13, 36, 54, and 70. This will be due on the first day of class and is worth 50 points. No partial credit will be given.
3. A quiz on this material will be given on the first day of class and is worth 50 points.

#### **4411 Economics**

Economics will focus on the functions and institutions of modern-day economic systems and economic theory. Students will analyze issues and problems in contemporary economic systems as well and the consequences of public policies and their impact upon current economic conditions. Prerequisite: Modern U.S. History

#### **4413 Advanced Placement Economics**

This is a full credit macroeconomics course that is designed to give the student a thorough understanding of the principals of economics that apply to an economic system as a whole. The curriculum places particular emphasis on the study of national income and price determination and develops student familiarity with economic performance measures, economic growth, and international economics. This is designed as a college level survey course. College credit may be obtained by taking and scoring a 3 or higher on the AP exam. The AP exam is recommended but not required. This course does not satisfy the government requirement for graduation. Prerequisite: recommendation from Modern U.S. History teacher or AP U.S. History teacher

#### **4412 U.S. Government**

This course focuses on the origins, structure and functions of government of a republic based on the rule of law, freedom of opportunity, individual liberty, and representative democracy. The course will include a detailed study of the Constitution of the United States and its provisions as well as an in-depth study of all three branches of government. Prerequisite: Modern U.S. History

#### **4414 Advanced Placement U.S. Government**

This is a full credit course that is designed to give students critical perspective on government and politics within the United States. The course involves generalized political science concepts to political theories using critical thinking and analysis skills to interpret the American Political System. This is designed as a college level survey course. College credit may be obtained by taking and scoring a 3 or higher on the AP exam. The AP exam is recommended but not required. This course does not satisfy the economics requirement for graduation. Prerequisite: recommendation from Modern U.S. History teacher or AP U.S. History teacher

**Social Science Electives:** These courses do not satisfy any of the four social science credits required for graduation. They can only be taken for elective credit.

#### **4720 Psychology**

This course acquaints students with psychological theories, principles, and practices associated with the five major subfields or domains of this field of study: methods, biopsychological, developmental, cognitive, and sociocultural. In addition to addressing these subfields, this course also includes a study of the history of psychological inquiry, methods of scientific research, and topics common to the field of psychology such as human development, sensation and perception, motivation and emotion, states of consciousness, social psychology, cognition, intelligence and assessment, personality theories, stress, and a study of mental disorders and their treatments. Students will gain insight to better understand themselves, their lives, and their communities.

#### **4723 Current Events**

This is an elective course designed to acquaint students with current events of local, state, national, and international interest. This course allows students to acquire knowledge of key contemporary personalities and events that impact their lives. Daily and weekly news sources serve as primary references for organization of the content of this course. This course may be taken more than once during the school year. Fee: \$10.00

### **HEALTH, DRIVER'S EDUCATION, AND PHYSICAL EDUCATION**

All students must pass health and one credit of physical education. The physical education requirement is waived for students completing one credit of marching band.

Students needing to take an athletic physical education course for participation on an athletic team should sign up for the regular physical education course. They will be placed in athletic physical education at the request of their head coach.

#### **5011 Health**

The course will consider the relationship between lifestyle health-related issues, including sexual responsibility, family issues, mental health, and personal safety. In addition, an application of proper nutrition, weight control, fitness, stress management, tobacco, drug and alcohol abuse, and emergency care (CPR) will be presented. Although primarily chosen by tenth grade students, this course is open for students in grades 9-12.

#### **5021 Driver Education**

Driver Education is a one-half credit course that is not required for graduation. Although primarily chosen by ninth and tenth grade students, this course is open for students in grades 9-12. The class offers 30 hours of classroom instruction combined with 6 hours of behind-the-wheel training as required by the Alabama Course of Study. An advanced driving simulation lab is also utilized in conjunction with the classroom component of the course. Prerequisite: prospective students must be at least 15 years of age and have successfully obtained their 1<sup>st</sup> stage Alabama license (permit). Fee: \$45.00

#### **5031 Lifetime Sports**

This course introduces students to activities that can be performed throughout their lifetime. These activities increase the interest level and exposure of students to games and sports they may have never played. Students will be exposed to a comprehensive weight lifting and fitness program. Students will participate in activities such as pickle ball, volleyball, badminton, golf, tennis, basketball, ultimate Frisbee,

flag football, bowling, and others. Through these activities, students will learn to appreciate fitness activities throughout their lifetime. This course may be taken more than one time during a school year. Prerequisite: Physical Education. Fee: \$3.00 fee for lockers and an optional \$6.00 towel fee.

**5101 Physical Education (Boys)**

**5201 Physical Education (Girls)**

This course includes team and individual sports as well as requisites for leading a healthy lifestyle inclusive of aerobics, exercise, and wellness training. It includes basketball, volleyball, softball, baseball, soccer, tennis, ultimate frisbee and flag football. It may include strength training, swimming, bowling, and golf when facilities are available off campus. This course may be taken more that one time during a school year. Fee: \$3.00 fee for a locker.

### **FOREIGN LANGUAGE**

Two credits of the same language are required for a diploma with the advanced academic endorsement. Foreign languages are recommended only for students with an A or B average in English.

**6111 French I P1**

**6112 French I P2**

French I students will progressively acquire the four basic skills of speaking, listening, reading and writing. Students will gain knowledge of French-speaking countries through geography, history, literature and culture. Prerequisite: It is highly encouraged that students have at least a B average in regular or honors English. Fee: \$15.00

**6121 French II P1**

**6122 French II P2**

French II students will continue to develop the skills introduced in French I: speaking, listening, reading, and writing. Students will continue to gain knowledge about French-speaking countries through geography, history, literature and culture. Prerequisite: recommendation of French I teacher. Fee: \$15.00

**6131 French III P1**

**6132 French III P2**

French III students are expected to attain an acceptable level of proficiency in conversation, advanced grammar and composition. They will further explore geography, history, literature and culture of the French-speaking countries. Prerequisite: at least a B average in French II and teacher recommendation. Fee: \$15.00

**6133 French IV**

**6134 French IV**

This course is designed to increase oral and written fluency in French and provide a more intense study of French culture, literature, history, and grammar. Students will participate in frequent conversation groups, write compositions, and will be able to discuss and/or summarize in French. Prerequisite: at least a B average in French III and teacher recommendation. Fee: \$15.00

**6211 German I P1**

**6212 German I P2**

German I students will progressively acquire the four basic skills of speaking, listening, reading and writing. Students will gain knowledge of German-speaking countries through geography, history, literature and culture. Prerequisite: It is highly recommended that students have at least a B average in regular or honors English. Fee: \$15.00

**6221 German II P1**

**6222 German II P2**

German II students will continue to develop the skills introduced in German I: speaking, listening, reading, and writing. Students will continue to gain knowledge about German-speaking countries through geography, history, literature and culture. Prerequisites: recommendation of German I teacher. Fee: \$15.00

**6231 German III P1**

**6232 German III P2**

German III students are expected to attain an acceptable level of proficiency in conversation, advanced grammar and composition. They will further explore geography, history, literature and culture of the German-speaking countries. Prerequisite: at least a B average in German II and teacher recommendation. Fee: \$15.00

**6241 German IV P1**

**6242 German IV P2**

This course is designed to increase oral and written fluency in German and provide a more intense study of German culture, literature, history, and grammar. Students will participate in frequent conversation groups, write compositions, and will be able to discuss and/or summarize in German. Prerequisite: at least a B average in German III and teacher recommendation. Fee: \$15.00

**6311 Spanish I P1**

**6312 Spanish I P2**

Spanish I students will progressively acquire the four basic skills of speaking, listening, reading and writing. Students will gain knowledge of Spanish-speaking countries through geography, history, literature and culture. Prerequisite: It is highly recommended that students have at least a B average in regular or honors English. Fee: \$15.00

**6321 Spanish II P1**

**6322 Spanish II P2**

Spanish II students will continue to develop the skills introduced in Spanish I: speaking, listening, reading, and writing. Students will continue to gain knowledge about Spanish-speaking countries through geography, history, literature and culture. Prerequisite: recommendation of Spanish I teacher. Fee: \$15.00

**6331 Spanish III P1**

**6332 Spanish III P2**

Spanish III students are expected to attain an acceptable level of proficiency in conversation, advanced grammar and composition. They will further explore geography, history, literature and culture of the Spanish-speaking countries. Prerequisite: at least a B average in Spanish II and teacher recommendation. Fee: \$15.00

**6341 Spanish IV P1**

**6342 Spanish IV P2**

This course is designed to increase oral and written fluency in Spanish and provide a more intense study of Spanish culture, literature, history, and grammar. Students will participate in frequent conversation groups, write compositions, and will be able to discuss and/or summarize in Spanish. Prerequisite: at least a B average in Spanish III and teacher recommendation. Fee: \$15.00

**VISUAL ART**

All art courses satisfy the one-half art credit required for graduation. Each course is recommended for students in grades 9-12. Visual Art is recommended as a beginning art course.

**7011 Visual Art**

Visual Art is designed as a two semester course that teaches the principles of artistic design. One unit on an outstanding period of art history is featured each semester in a two-year cycle. Students are taught art criticism and aesthetics and are required to do written criticisms of artwork. The course will provide students with a variety of experiences with different media, tools, and techniques used in visual arts. The materials may be repeated but the projects vary so that students may take this course more than once during a school year. Fee: \$25.00

**7111 Advanced Visual Art**

Whereas the Visual Art course focuses on process as much as product, this course puts more emphasis on the final product. Students will begin tying art history, aesthetics, art criticisms, and the analysis of artworks to the studio assignments. Discussion and written criticisms of both student and professional work will follow each studio assignment. Media will include drawings in dry and wet media, paintings in various media, mixed media work, found object sculpture, paper sculpture, scratchboard, and at least one film or computer aided drawing project. This course may be taken more than one time during a school year. Prerequisite: Visual Art or a sophomore with sketches approved by the teacher. Fee: \$30.00

**7211 Digital Art**

This course is designed to explore visual learning theories and visual literacy using photographic resources for individual and group learning to stimulate inquiry, creative, and higher order thinking. Students will complete Gimp design projects exploring digital photography, photo editing, photocomposition, scanning, and finding and creating online digital images and graphic design basics. Students should take Visual Art before taking Digital Art. Fee: \$30.00.

**7311 Advanced Digital Art**

This course is an more in-depth student of digital art based on skills learned using Gimp, exploring digital photography, photo editing, photocomposition, scanning, and finding and utilizing online digital images using the elements and principles of design. Projects will use both the Gimp and Photoshop programs build on skills learned in Digital Art, and require more individualization and problem solving skills. Prerequisite: Digital Art. Fee: \$30.00

**7411 Three Dimensional Design**

This course could be called "Everyday Art". The course explores traditional and contemporary arts and crafts using diverse materials, seasonal and cultural subject matter, and newly-acquired handcrafting skills. Projects will include: paper mache, non-fired clay, weaving, beading, jewelry, carving, mixed media, paper marbling, collage, and assemblage (found-object sculpture). Students will leave this class with an appreciation of craftsmanship and several fun, handmade mementoes. Fee: \$30.00

### **7412 Theatre Production (Stage crafting)**

This course is designed to teach students hands-on stage crafting techniques using both two and three-dimensional design to create the intended atmosphere onstage. Students will develop problem-solving skills, craftsmanship, the responsibilities of meeting deadlines and budgets, and teamwork as they design and execute their creative solutions to visual problems. Fee \$30.00

## **PERFORMING ARTS**

All performing arts courses satisfy the one-half art credit required for graduation. Each course is recommended for students in grades 9-12.

### **7601 Marching Winds and Auxiliaries (1<sup>st</sup> Semester)**

The Marching Band performs at all football games and pep rallies, several marching festivals per year, the Cullman Fair Parade, and the Cullman County Marching Band Exhibition. The marching band rehearses one period per day during school and one or two out-of-school rehearsals per week. Each section of the band also has at least one out-of-school section rehearsal per week in addition to the full band rehearsals. Prerequisite: Students must audition for the band program and pass the minimum requirements established for each instrument. Auxiliary groups must audition as well. Fee: See the CHS Band Handbook for a complete list of the fee schedule.

### **7612 Symphonic Winds (2<sup>nd</sup> semester)**

This course will provide instruction in instrumental skills through the performance of advanced band literature. It is designed for the advanced player who understands the basic concepts of the instrument and can demonstrate a high level of proficiency in performance skills. The symphonic band performs two formal concerts per year, as well as performances at District and State Assessment. Enrollment is subject to instrumentation and band director's approval. Percussionists will not be enrolled in this class. Fee: See the CHS Band Handbook for a complete list of the fee schedule.

### **7622 Concert Winds (2<sup>nd</sup> semester)**

This course provides performance-based instruction with emphasis on development of basic music skills such as articulation, tone, and rhythm concepts. This course will provide the necessary training and experience for future enrollment in Symphonic Winds class. The concert band performs two formal concerts per year, as well as District and State Assessment. Prerequisite: Students must audition for the band program and pass the minimum requirements established for each instrument. Students must also have the band director's approval. Percussionists will not be enrolled in this class. Fee: See the CHS Band Handbook for a complete list of the fee schedule.

### **7635 Class Percussion (1<sup>st</sup> semester)**

### **7636 Class Percussion (2<sup>nd</sup> semester)**

All percussion students who are active in the percussion program are required to take this class. Percussion students will no longer be placed in the Symphonic or Concert Band classes. This course is designed to provide performance-based instruction in all areas of percussion including marching (indoor and outdoor), concert, and all facets of world percussion. Percussion students will perform with the symphonic or concert band in two formal concerts per year, as well as District and State Assessment. In addition, students will perform in a concert percussion ensemble or indoor marching ensemble in several performances and/or competitions. All after school rehearsals and performances are mandatory. Prerequisite: Audition, with instructor's approval. Fee: See the CHS Band Handbook for a complete list of the fee schedule.

**7631 Jazz Band (1<sup>st</sup> semester)**

**7632 Jazz Band (2<sup>nd</sup> semester)**

Jazz Band is a class designed to teach students the various concepts of jazz phrasing, style, and improvisation. Students will be exposed to as many varied styles of “big band jazz” as possible, such as Count Basie, Stan Kenton, Buddy Rich, Woody Herman and Maynard Ferguson. The class will rehearse daily and perform at various concerts, community affairs, and festivals during the year. Prerequisite: Audition and permission from the band director. Enrollment is subject to instrumentation. Fee: \$20.00 unless the student is enrolled in other band classes.

**7641 Instrumental Techniques**

Students receive instruction on the fundamentals of playing an instrument. Emphasis is placed on memorization of the twelve major scales, chromatic scale, proper tone production, sight-reading skills, and rhythm concepts. Prerequisite: Experience on brass or woodwind instrument. Percussionists will not be enrolled in this class.

**7661 Guitar**

Students receive instruction on basic guitar skills through a classic method, including first-position notes and scales, root chords, and accompaniment patterns while developing solo and ensemble skills. Student must provide their own acoustic guitar to participate in this class. Since this is a beginning level class, students should only enroll in this class once during their high school career. Fee: \$12.00

**7701 Concert Choir**

This class is open to students from 9<sup>th</sup> through 12<sup>th</sup> with an interest in singing and performing. Study includes choral literature, representative of various styles from many with a concentration on traditional choral music. Emphasis will be given to the teaching of proper vocal production and the fundamentals of musicianship. The choir performs at school concerts, special performances in the community, and regional festivals. After school practices are very important prior to performances and grades may reflect such participation. Attendance is a course requirement. This course fulfills the fine arts requirement for graduation. Prerequisites: none. Fee: \$25.00

**7711 Show Choir (1<sup>st</sup> Semester)**

**7712 Show Choir (2<sup>nd</sup> Semester)**

This choir is open to 10<sup>th</sup> through 12<sup>th</sup> grade students following an audition. Students are encouraged to join the Concert Choir their freshman year if they intend to audition for the Show Choir. Show Choir is an advanced level ensemble with emphasis on good vocal production and performance ability. Songs will be chosen from a diverse repertoire ranging from pop to traditional classical works. Dance ability may be required for the audition. The choir performs at school concerts, special performances in the community, and regional festivals. After school practices are very important prior to performances and grades may reflect such participation. Attendance is a course requirement. Show Choir fulfills the fine arts requirement for graduation. Show Choir fulfills the fine arts requirement for graduation. Prerequisites: Audition with instructor’s approval. Fee: \$30.00

**7721 Musical Theatre**

This is a beginning level course in singing for the musical theater performer. It is designed to familiarize students with fundamental vocal techniques and musical theater repertoire, and to help students become comfortable with solo and ensemble singing onstage. Topics to be covered include performance, composers for musical theater, history of musical theater, lyrics of musical theater and their writers, musical comedy, musical theater as art, musical theater and the expression of emotions, musical theater in film, opera and

operetta. Prerequisites: Chorus and/or Advanced Drama and approval from chorus or drama teacher. Fee: \$10.00

#### **1491 Beginning Drama**

This course is designed for those interested in the theatre arts. Activities will vary through the year and between each trimester. Students may engage in individual events, duet performances, and various group projects/activities. Students may also learn terminology and different forms of theatre. They will engage in daily activities and drama games. This course is designed to introduce theatre and get students comfortable with performing and engaging with others. Fee: \$10.00

#### **1493 Advanced Drama**

Admission to this course is based on audition and recommendation of the instructor. This class teaches advanced acting techniques, including directing, dramatic literature study, and technical theatre components. Casting will be based on open audition results. Cast and crew will be required to attend all after-school rehearsals. All advanced drama students must participate in school productions and after-school rehearsals as members of the cast or crew. Students will experience the complete production process as they prepare, present, and critique plays for competition. Selected students will attend the Trumbauer Festival (Fall) and Alabama Thespian Festival (Spring). This course may be taken more than one term during a school year. Twenty hours minimum of after-school work on productions is required for all students in order to receive a passing grade. Fee: \$10.00

#### **1495 Technical Theater**

Students will study various aspects of technical theater including sound, lighting, and set design, and become familiar with the various positions and responsibilities of the technical production crew. Students will participate in set building for school productions. Students in this class will be responsible for basic auditorium maintenance and setting up for productions. Crew members for productions will be required to attend scheduled after-school rehearsals. Twenty hours minimum of after-school work in the theater is required for this class. Fee: \$10.00

### **Career and Technical Education**

Cullman High School's Career Technical Education curriculum prepares students with the work-readiness skills necessary for success in the twenty-first century. Career-empowered students are productive citizens who are prepared with the knowledge and skills for postsecondary education or for employment. Career and Technical Education classrooms at CHS provide an opportunity for all students to combine academics with other high-caliber rigorous learning experiences. The level of academic and workplace rigor is a function of the degree to which each career and technical education program prepares students for high-skill, high-wage, or high-demand careers. For select career opportunities, credentials and certifications have been established that validate the rigor of the curriculum to parents, students, and business and industry. In addition, articulation agreements in partnership with postsecondary institutions have been developed to allow for a seamless transition for students pursuing opportunities for continued education.

### **Family and Consumer Sciences Courses**

**Students who become FACS completers will be able to earn a cord for graduation. Please see FACS teacher for more details.**

#### **9901 FACS and Foods (Food and Fitness)**

This course enables students an opportunity to explore all areas of Family and Consumer Sciences with a focus on food. Kitchen lab experiences are part of the curriculum. Recommended for grades 9-12; Fee: \$20.00

**9902 Food and Nutrition** (Creative Foods and Culinary Arts)

Students will explore national and international foods, preparation techniques and special occasions. Various techniques of food presentation, banquet/catering services, plating food, types of food establishments, and careers in the industry will also be covered.

Kitchen lab experiences are part of the curriculum. Recommended for grades 9-12; Fee: \$20.00

**9931 Life Connections** (Independent Living)\_11<sup>th</sup> and 12<sup>th</sup> grade

This course offers students an opportunity to learn the basic needs of young adults. Students will have the opportunity to explore dating and marriage, living on your own after high school, financial management, career planning and balancing work and family. Kitchen labs are part of the curriculum. Fee: \$20.00

**9943 Parenting and Child Development**\_11<sup>th</sup>-12<sup>th</sup> grade

This course introduces students to prenatal development, labor and delivery, stages of child development, birth defects, child abuse, and needs of exceptional children. It also explores child health and safety issues, and career opportunities for working with children. Food labs and sewing techniques for the family will be part of the curriculum. Students will also have the opportunity to observe children in their classroom environments at the Primary School. Kitchen lab experiences are part of the curriculum. Fee: \$20.00

**9911 Fashion** (Fashion Design and Advanced Fashion Design)

This course explores current fashion styles and trends, wardrobe planning, and clothing construction. It also offers students an opportunity to design clothing and accessories, and explore careers in the fashion design industry. Students will utilize current technology to design and create fashion projects. Using their creative expression they will explore famous fashion designers, construction techniques, color schemes, designing fashions, drafting a pattern, and coordinating fashion and accessories. Sewing labs are part of the curriculum. Recommended for grades 9-12. Fee: \$20.00

## **Architecture, Construction and Manufacturing**

**The Architecture and Construction cluster provides students with the basic knowledge and skills within a safe and appropriate setting for student exploration and achievement. The active, structured and stimulating environment simulates the workplace setting and enhances students' ability to adapt to an ever-changing job market. Students work together to build a community of learners as their ideas become a source of learning. Students in this cluster affiliate with Skills USA as the co curricular Career and Technical Student Organization (CTSO). Skills USA provides additional opportunities that enhance classroom instruction, develop leadership skills, and further career development.**

Due to safety training, students that register for carpentry classes must take both parts during the same school year.

**9976 Foundations for Architecture, Construction, and Manufacturing**

This class is the foundation class that each student must take to become a completer in the Architecture and Construction cluster. If a student does not complete this class, they can not obtain completer status and can not receive a cord at graduation. (1 Credit Class)

**9951 Carpentry I P1 (Former name; Introduction to Carpentry)**

**9952 Carpentry I P2**

(Prerequisite for all other classes.) Preferred 9<sup>th</sup> and 10<sup>th</sup> grads.

This one-credit course is designed to provide students with the fundamental knowledge and skills for this area of the construction industry. Emphasis is placed on job safety, use of hand and power tools, building materials, fasteners, adhesives, and flooring systems. Students are introduced to concrete forms and reinforcing materials, blue print reading, and site preparations. Leadership activities, co curricular opportunities, and employability skills are emphasized in appropriate career and technical education organization affiliation. (Fee \$15.00) 1 Credit Course

**9981 Carpentry II P1**

**9982 Carpentry II P2**

This would be offered in addition to Carpentry I

(1 Credit Class)

This one-credit course is designed to provide students with advanced knowledge and skills for this area of the construction industry. Emphasis is placed on job safety; wall, ceiling, and roof framing; windows; entrance doors; and basic stair layout. Leadership activities, co curricular opportunities, and employability skills are emphasized in appropriate career and technical education organization affiliations.

**9941 Cabinet Making I P1**

**9942 Cabinet Making I P2**

This would be offered as the former name Introduction to Cabinet Making.

(1 credit class)

This one-credit course is designed to provide students with the fundamental knowledge and skills for this area of the construction industry. Emphasis is placed on job safety, use of hand tools and stationary power tools, materials and hardware, various types of joinery, and component assembly and installation. Leadership activities, co curricular opportunities, and employability skills are emphasized in appropriate career and technical education organization affiliations.

**9971 Cabinet Making II P1**

**9972 Cabinet Making II P2**

This would be offered in addition to cabinet making I.

(1 credit course)

This one-credit course is designed to provide students with the knowledge and skills for this area of the construction industry. Emphasis is placed on job safety, preparation of surfaces, commonly used sealants, and paints and repairs and remedies. Leadership activities, co curricular opportunities and employability skills are emphasized in appropriate career and technical education organization affiliations.

**9961 Carpentry for Residential Interiors P1**

**9962 Carpentry for Residential Interiors P2**

This would be offered as the former name residential finishing.

(1 credit course)

This one-credit course is designed to provide students with the fundamental knowledge and skills for this area of the construction industry. Emphasis is placed on job safety, use of hand and power tools, building materials, fasteners, adhesives, and flooring systems. Students are introduced to concrete forms and reinforcing materials, blue print reading, and site preparations. Leadership activities, co curricular opportunities, and employability skills are emphasized in appropriate career and technical education organization affiliations.

## AGRISCIENCE

### **10201 AgriScience P1**

### **10202 AgriScience P2**

AgriScience provides students with a general overview of the five major career areas in AgriScience Education: Plant Biosystems, Agri-Engineering, Animal Biosystems, Agri-Commerce and Communication, and Environmental and Natural Resources. It is utilized as an introductory/exploratory class to help students discover their interests in the various career areas. These areas include subjects such as welding, woodworking, electricity, animal science, horticulture, wildlife science, forestry, environmental science, safety, career opportunities, and others. This course emphasizes FFA opportunities that develop students' potential for premier leadership, personal growth, and career success. Recommended for grades 9-12; Fee: \$10.00

### **10003 Landscape Design & Management P1**

### **10004 Landscape Design & Management P2**

Landscape Design and Management is a two-part, one-credit course that allows students to become more knowledgeable about and appreciative of landscape design and management. Students receive instruction that allows them to participate in hands-on activities and gain valuable knowledge in this area. Areas of concentration include plant and soil science, insects, disease, plant propagation, fertilizers, landscape design, landscaping, greenhouse production, plant identification, landscape drawing, tools, fruits and vegetables, turf grasses, maintenance, lawn care, safety, career opportunities, and others. This course emphasizes FFA opportunities that develop students' potential for premier leadership, personal growth, and career success. Recommended for grades 9-12; Fee: \$10.00

### **10031 Introduction to Metal Fabrication (Welding) P1**

### **10032 Introduction to Metal Fabrication (Welding) P2**

Welding Fabrication is a two-part, one-credit course that provides students with opportunities to examine safety and technical information in agricultural metal fabrication and additional opportunities to participate in hands-on activities in the laboratory. Students receive instruction that allows them to become more familiar with information and skills in the various areas of AgriMetal Fabrication. These areas include subjects such as welding, plasma cutting, tool identification, repair & construction, painting, welding, metal preparation, drilling/tapping, Oxyfuel welding/cutting, sheet metal, safety, career opportunities, and others. This course emphasizes FFA opportunities that develop students' potential for premier leadership, personal growth, and career success. Recommended for grades 9-12; Fee: \$15.00

### **10131 Fish & Wildlife Management P1**

### **10132 Fish & Wildlife Management P2**

Fish & Wildlife Mgt. is a two-part, one-credit course that provides students with the opportunity to become more knowledgeable about some of today's most valued, yet vulnerable, natural resources. Students develop an understanding of the important role these resources play in the ecosystem as they participate in hands-on activities in the classroom. Students gain knowledge in hunter education, wildlife identification & classification, outdoor recreation, environmental science, ecology, forestry, natural resources, management, safety, career opportunities, and others. This course emphasizes FFA opportunities that develop students' potential for premier leadership, personal growth, and career success. Recommended for grades 10-12; Fee: \$10.00

### **10181 Animal Science (Veterinary and Animal Science) P1**

### **10182 Animal Science (Veterinary and Animal Science) P2**

Animal Science is a two-part, one-credit course that provides students with the opportunity to acquire necessary skills for the care and management of animals. Students gain knowledge regarding the tools and facilities used in the animal industry, animal breeds and identification, domestication, genetics, meat science, nutrition, selection, animal health, poultry science, aquaculture, veterinary science, reproduction, safety,

career opportunities, and others. This course emphasizes FFA opportunities that develop students' potential for premier leadership, personal growth, and career success. Recommended for grades 9-12; Fee: \$10.00

## **DRAFTING AND DESIGN TECHNOLOGY**

Almost everything manufactured or constructed gets its start as a technical drawing. Technical drawings created with a universal graphic language used around the world by drafter, designer, engineers, architects, builders, and manufacturers to communicate ideas, procedures, specifications, materials and other technical information. The Drafting and Design Technology program at Cullman High School is designed to instruct the student in the proper use of this language. In the program, students gain a thorough knowledge of technical drawing communication through the use of computer aided drafting (CAD). They are introduced to the proper use of drafting techniques and computer aided drafting software. This knowledge is then reinforced with realistic exercises designed to stimulate actual industry practices in several different disciplines of drafting and design. With a good understanding of drafting and CAD principles and their applications, the principles can be applied to any drafting and design discipline the student chooses to enter. Because CAD is a required tool in today's workplace, the program introduces the student to a wide range of CAD related topics, such as basic computer operating systems, drafting practices, 3D modeling and more advanced software to provide the student with a greater understanding of CAD software capabilities and its efficient use. Computer hardware and software are continually updated to ensure that the student receives up-to-date training in these areas.

### **10221 Foundations for Architecture, Construction, and Engineering**

This class is the foundation class that each student must take to become a completer in the Architecture and Construction cluster. If a student does not complete this class, they can not obtain completer status and can not receive a cord at graduation. (1 Credit Class)

### **10251 Introduction to Drafting Design P1 (Engineering Drafting I)**

### **10252 Introduction to Drafting Design P2 (Engineering Drafting I)**

Introduction to Drafting and Design is a one-credit course that serves as an introduction to the Drafting Design Technology field. It provides essential information that builds a strong foundation for the entire program. Emphasis is placed on student safety, tools and procedures, geometric construction, sketching, dimensioning practices, visualization, and orthographic projection concepts. Computer-Aided Drafting (CAD) functions and techniques using CAD software applications are introduced. Upon successful completion of this course, students are able to utilize the tools and interpret basic drafting standards to complete a multi-view drawing. This entry-level course may be taken as one of the optional technical courses with credit applied to the Industrial Maintenance Technology program. **(CHS= Engineering Drafting I)**

### **10254 Intermediate Drafting Design P1 (Engineering Drafting II)**

### **10255 Intermediate Drafting Design P2 (Engineering Drafting II)**

Intermediate Mechanical Design is a one-credit course designed to further the development of students' knowledge regarding the use of drafting design practices and procedures. Students expand their ability to illustrate more complex objects using the Computer-Aided Drafting (CAD) system. Topics include sectioning, auxiliary views, threads and fasteners, pictorials, and the continuation of conventional dimensioning practices. Upon successful completion of the course students are able to develop section views, primary auxiliary views, thread representation and pictorial views: and apply dimensions properly on a drawing. The prerequisite for this course is Introduction to Drafting Design. 10 – 12<sup>th</sup> grades

**10257 Introduction to Architectural Design P1 (Home Design I)**

**10258 Introduction to Architectural Design P2 (Home Design I)**

Introduction to Architectural Design is a one-credit course that introduces students to the basic terminology, concepts, and principles of the Architectural Design field. Emphasis is placed on floor plan lay out, electrical lay out, foundations, typical elevations, and section drawings. Upon successful completion of this course, students are able to draw a basic residential architectural construction drawing. The prerequisite for this course is Intermediate Mechanical Design. 10- 12<sup>th</sup> grades

**10267 Intermediate Architectural Design P1 (Home Design II)**

**10268 Intermediate Architectural Design P2 (Home Design II)**

Architectural Design II is a one-credit course that provides students with instruction regarding more advanced and detailed architectural plans. Topics include multi level floor plan lay out, building specifications, detailing, plumbing, and electrical plans with basic site plan lay out. Students are encouraged to research and develop a career readiness project with instructor's approval. Upon successful completion of this course, students are able to organize, layout, and draw more advanced level residential architectural plans. The prerequisite for this course is Introduction to Architectural Design 10-12<sup>th</sup> grades.

**BUSINESS/MARKETING**

Are you interested in banking, finance, accounting, owning or managing your own business, computers, web design, marketing, advertising, public relations, or law? Cullman High School's Business/Marketing Department has what you need. The skills you learn in these classes will assist you in working your way through college or providing a way to make a living right after high school. For any one of the three majors, take the two required courses (1/2 credit each); then customize your completion of the program with two elective business courses and two courses from another business major, or two higher academic courses (such as a foreign language). You can work with our Cooperative Education Coordinator to find a job during your senior year and receive one full credit for completing the Coordinated Studies Course (Parts 1 & 2). All it takes is 3 credits to be a Career/Technical Business/Marketing Completer. And, don't forget—you'll be eligible to be a member of the Future Business Leaders of America.

**Business Education Courses**

**10304 Business Technology Applications P1**

**10305 Business Technology Applications P2**

Completion of both parts satisfies the computer technology graduation requirement. This course is designed to help students' master basic skills in word processing, database management, spreadsheet software, presentation software, internet, and e-mail. Part 1 is an in-depth look at Microsoft Word. Part 2 focuses on Excel, Access, and PowerPoint. Part 1 of the course must be taken prior to taking part 2. Fee: \$30.00

**10306 Business Technology Applications-Advanced**

Business Technology Applications is a one-credit foundation course designed to assist students in developing technological proficiencies in word processing, spreadsheets, databases, presentations, communications, Internet use, ethics, and careers using technology applications. Simulations and projects promoting teamwork, leadership, and workplace skills offer further opportunities for applications of knowledge and skills. Fee: \$30.00

PREREQUISITE: Students must complete I before II.

**10310 Personal Finance**

Personal Finance may be a one-credit or half-credit course. This course introduces students to the management of personal and family resources to achieve personal goals and financial literacy. Course content provides opportunities for students to explore consumer behavior, laws and legislation, consumer protection, consumer rights and responsibilities, consumer decision making, advertising and promotional techniques, individual and family money management, banking services, use of credit, income tax, technology, and careers in providing financial services to individuals and families.

Prerequisite: students must have a basic understanding of mathematical expressions and formulas using percentages and decimals. Fee: \$30.00

**10361 Accounting P1****10362 Accounting P2**

Basic principles of accounting and bookkeeping are taught using manual and computerized methods. Students will analyze business transactions and prepare journals and financial statements for service and merchandizing businesses. There is a focus on careers in the financial industry and business ethics. Students complete payroll and tax activities and learn about different business ownership options. Students may choose to work through a volunteer tax preparation course through the IRS for a community service project. Fee: \$25.00 per section (covers cost of accounting workbook)

**10371 Law in Society**

Students are acquainted with the basic legal principles common to both personal and business activities. Topics include helping students understand our courts system, criminal vs. civil law and procedures, learning to evaluate contracts, establishing credit, purchasing insurance, and rent/own real estate. A mock trial will be held where students prepare and follow through with a simulated courtroom trial. Fee: \$35.00

**Marketing Education Courses****10391 Marketing Principles P1****10392 Marketing Principles P2**

Students learn how to organize, develop, create, and manage a business. Even if the student has no intention of ever owning his/her own business, this course will provide the basics for supervising and managing other employees. This course provides an advanced study of marketing concepts, marketing functions, entrepreneurship concepts, economics, international marketing, and human relations. Students will develop a business plan and simulate a real-business situation. Communication and interpersonal relationships are emphasized. This course guides students in making career decisions and development of a career portfolio. Part 1 of the course must be taken prior to taking part 2 of the course. Fee: \$30.00 per section

**10401 Coordinated Studies P1****10402 Coordinated Studies P2**

Students who want to combine a work experience with their high school curriculum should plan on completing this course. An application and interview process is required for acceptance into this program; it is open to juniors and seniors only. In Part 1, students will learn what it takes to start a career, and how to get a job; the instructor will assist students with finding cooperating employers in the field they are interested. In Part 2, students will enhance their job skills and learn what it takes to build and advance in their chosen career. A career portfolio will be produced by every student. Although this course may be taken in the senior year, it is suggested that students complete Coordinated Studies in their junior year, and then work in a training-plan approved, cooperative job site (related to their ultimate career goal) with early dismissal during their senior year while attending the Coordinated Studies Seminar course. Fee: \$30.00 per section

## OTHER ELECTIVES

### **10501 Java 1**

Students will be introduced to the fundamentals of object-oriented programming using the Java programming language. Students will learn both console and windows programming using the Java computer programming language within the BlueJ IDE. Students will also be introduced to gaming with Java using the Alice software environment. Prerequisite: Algebra I. Fee: \$20.00.

### **10502 Java 2**

This course provides additional instruction in the Java computer programming language. Students will learn both console and windows programming using IDE's and the Karel J. Robot software environment. Prerequisite: Java 1. Fee: \$20.00.

### **10503 Java 3**

This course will emphasize program construction, algorithm development, coding, debugging, and documentation of console and graphical user interface applications. An introduction to collections and design patterns will also be included. Prerequisite: Java 1, Java 2. Fee: \$20.00.

### **1531 TV Production I**

This course provides a basic overview of television production skills and professions. It will include the history of broadcasting, up to and including the Internet. Students participate in classroom and laboratory activities related to computer hardware and software television production and operations. Students will be introduced to and use Apple and Windows based operating systems, hardware, and software to create and produce television quality material. Prerequisites: Completion of the application process, which includes completing an application and interviewing with the teacher. Fee: \$30.00

### **1532 TV Production II**

This course provides students with the opportunity to create and market professional video productions using Apple and Windows based operating systems, hardware, and software. Students work in groups to create long-term projects that may vary from several days to several weeks and will include live broadcasts as well as on location multi-media computer generated productions. This course may be taken more than one term during a school year. Prerequisites: Completion of the application process, which includes completing an application and interviewing with the teacher. Fee: \$30.00

### **10681 English Language Learners (1<sup>st</sup> semester)**

### **10682 English Language Learners (2<sup>nd</sup> semester)**

This course is designed for those students who do not speak English as their first language. These students are tested when they enter our school system to determine if they qualify. Upon qualification for ELL, students will have this as a regular class. In ELL students are acclimated to the English speaking society, language, grammar, customs, and traditions. Emphasis is placed on speaking, writing, and comprehending English. Once students are in the program, they remain in ELL until they reach proficiency in the English language.

### **10701 The Bible and Its Influence**

This course is an academic study of selected narratives, characters, discourses, proverbs, and poetry from the Hebrew Scriptures (Old Testament) and a literary overview of the New Testament. This course will explore the characters, themes, and motifs of the Bible that are important to understanding Western literature. This course also explores the role of the Bible and religion in the life and society of eastern and western Europe and the Americas.

**20001 Alabama High School Graduation Exam Preparation**

This course is designed to prepare 11<sup>th</sup> and 12<sup>th</sup> grade students in one or more subject areas for the Alabama High School Graduation Exam. Students will be placed into classes according to subject area required for passing the Alabama High School Graduation Exam. A variety of resources will be utilized to emphasize study skills, test taking strategies, and content knowledge within the following five subjects: reading, language, social studies, mathematics, and science.

**20003 PSAT Prep Course (1<sup>st</sup> semester)**

This course is designed for eleventh grade students who score at least a 180 on the PSAT during the tenth grade. The course will be offered only during the first semester of the school year. It will provide students with the test taking skills and content knowledge required to improve their PSAT score. Diagnostic and practice tests will be included in the course content.

**20005 ACT Prep/College Seminar**

This is a course for seniors offered during the first semester. It will provide students with the test taking skills and content knowledge required to improve their ACT score. The course will include diagnostic testing, direct instruction, and practice tests. Students will also receive instruction in topics such as writing college resumes, college admission process, financial aid, and scholarship opportunities. Students will have to time work in scholarship applications and speak with college representatives. A fee will be charged for the course.

**13000 Aide**

This class is for juniors and seniors. Students will assist with clerical needs of the front office, guidance office, media center, administrative offices, classrooms, and others as assigned. Workplace skills such as filing, typing, and reception duties will be emphasized. Enrollment will be limited and selection based in part on attendance and conduct. Prerequisites: Students must have completed business and technology essentials and passed all parts of the graduation exam.

**OCCUPATIONAL DIPLOMA CURRICULUM**

Occupational diploma courses require approval through a student's IEP.

**8100 Life Skills Science I P1: Physical Science****8101 Life Skills Science I P2: Physical Science**

This course is designed to provide students with a practical knowledge of physical science including scientific process and application skills; the periodic table; solutions; bonding; chemical formulas; physical and chemical changes; gravitational, electromagnetic, and nuclear forces; motion; energy; energy transformation; electricity and magnetism; nuclear science; and metric units. This course meets the requirement for the Alabama Occupational Diploma. This course does not meet the requirement for the Alabama High School Diploma.

**8102 Life Skills Science II P1: Biology****8103 Life Skills Science II P2: Biology**

This course focuses on life science concepts. The emphasis of the curriculum is on Nature and Processes of Science, Structure and Function of Living Systems; Matter, Energy, and Organization of Living Systems; Diversity and Adaptations; Heredity and Reproduction; and Health, Nutrition, and Safety. This course meets the requirement for the Alabama Occupational Diploma. This course does not meet the requirement for the Alabama High School Diploma.

**8104 Life Skills Science III P1: Earth and Space Science**

**8105 Life Skills Science III P2: Earth and Space Science**

This course focuses on Earth and Space Science including environmental issues. It provides students will the skills necessary to meet the goals of independent living and competitive employment. This course meets the requirement for the Alabama Occupational Diploma. This course does not meet the requirement for the Alabama High School Diploma.

**8106 Environmental Science IV P1**

**8107 Environmental Science IV P2**

This course enables students to demonstrate previously taught skills in a job setting. The following skills are reinforced: Nutrition, Physical Fitness, Personal Health, First Aid, Basic and Personal Safety, Family and Society, Environmental Issues, Earth and Space Science, and Physical Science. This course meets the requirement for the Alabama Occupational Diploma. This course does not meet the requirement for the Alabama High School Diploma.

**8001 Life Skills English I P1**

**8002 Life Skills English I P2**

This course provides a foundation for the development of various skills. This level focuses on gaining basic knowledge in the areas of reading, writing, speaking, and listening that will lead to successful transition to community and work environments. Skills taught address the areas of following directions, listening, communication, vocabulary development, comprehension, writing, reading, and language usage. This course meets the requirement for the Alabama Occupational Diploma. This course does not meet the requirement for the Alabama High School Diploma.

**8003 Life Skills English II P1**

**8004 Life Skills English II P2**

This course expands and builds on the foundation skills. Basic knowledge in the areas of reading, writing, speaking, and listening is addressed which will lead to successful transition to work environments. Target areas include following directions, listening, communication, vocabulary development, comprehension, writing, reading, and language usage. This course meets the requirement for the Alabama Occupational Diploma. This course does not meet the requirement for the Alabama High School Diploma.

**8005 Life Skills English III P1**

**8006 Life Skills English III P2**

This course emphasizes reading, writing, and language skills. Students exhibit knowledge of reading, writing, and language usage through interaction within the school, community, and work settings. This course meets the requirement for the Alabama Occupational Diploma. This course does not meet the requirement for the Alabama High School Diploma.

**8007 Life Skills English IV P1**

**8008 Life Skills English IV P2**

This course focuses on continued success in the areas of reading, writing, and language. Key components of this course are knowing and applying language concepts and reading and writing for a variety of purposes. Students demonstrate learned skills as they successfully make the transition from school to community and competitive employment. This course meets the requirement for the Alabama Occupational Diploma. This course does not meet the requirement for the Alabama High School Diploma.

**8050 Social Studies for Living I: World History I P1**

**8051 Social Studies for Living I: World History I P2**

This course is a study of world history from 1500 to the present. Students are able to apply and utilize their knowledge to develop informed opinions about issues such as the quest for peace, human rights, trade, global ecology, and the impact each has on everyday life situations. This course meets the requirement for the Alabama Occupational Diploma. It does not meet the requirement for the Alabama High School Diploma.

**8052 Social Studies for Living II: United States History P1**

**8053 Social Studies for Living II: United States History P2**

This course follows a chronological study of major events, issues, movements, leaders, and groups of people of the United States through Reconstruction from a national and Alabama perspective. This course meets the requirement for the Alabama Occupational Diploma. It does not meet the requirement for the Alabama High School Diploma.

**8054 Social Studies for Living III: United States History P1**

**8055 Social Studies for Living III: United States History P2**

This course begins with the post-Reconstruction United States and its shift into a more industrialized society and continues through the twentieth century to the present. This course meets the requirement for the Alabama Occupational Diploma. This course does not meet the requirement for the Alabama High School Diploma.

**8056 Social Studies for Living IVA: Economics P1**

This course focuses on the functions and institutions of modern-day economic systems and theory. Students gain skills that will enable them to anticipate changes in economic conditions and how to adjust to the changes to improve their lives and their communities. This course meets the requirement for the Alabama Occupational Diploma. This course does not meet the requirement for the Alabama High School Diploma.

**8057 Social Studies for Living IVB: United States Government P2**

This course focuses on the origins, structure, and functions of government at all levels. It also includes a detailed study of the constitution of the United States and its provisions. This course meets the requirement for the Alabama Occupational Diploma. This course does not meet the requirement for the Alabama High School Diploma.

**8275 Essential Mathematics I P1**

**8276 Essential Mathematics I P2**

This course provides students with the opportunity to learn basic operations involving whole numbers, decimals, and fractions. Consumer related skills at this level include computing change and developing check-writing skills. Basic geometry skills at this level focus on measurement and identification of geometric shapes and representations. This course meets the requirement for the Alabama Occupational Diploma. It does not meet the requirement for the Alabama High School Diploma.

**8277 Essential Mathematics II P1**

**8278 Essential Mathematics II P2**

This course focuses on basic operations involving decimals and percents, laws of exponents, and adding and subtracting to determine elapsed time. Consumer related skills include reconciling bank statements and computing pay rates. Additional content involves identifying basic functions and performing basic graphing skills. Basic geometry skills include determining perimeter and area of various shapes and measuring angles. This course meets the requirement for the Alabama Occupational Diploma. It does not meet the requirement for the Alabama High School Diploma.

**8279 Algebraic Explorations I P1**

**8280 Algebraic Explorations I P2**

This course focuses on basic operations involving integers and numerical expressions. Consumer related skills include calculating taxes. Geometry skills include complementary and supplementary angles, and the measurement of circles and surface area of rectangular solids. Data reporting, interpreting data, and solving proportions are also addressed at this level. This course meets the requirement for the Alabama Occupational Diploma. It does not meet the requirement for the Alabama High School Diploma.

**8281 Algebraic Explorations II P1**

**8282 Algebraic Explorations II P2**

This course provides students with an exploration of basic algebraic concepts such as graphing and analyzing linear equations, solving problems using the Pythagorean Theorem, and deducing relationships including congruence and similarity. Consumer related skills focus on problems that involve budgets, loans, credit purchases, and measurement. This course meets the requirement for the Alabama Occupational Diploma. It does not meet the requirement for the Alabama High School Diploma.

**8600 Study Skills (1<sup>st</sup> trimester)**

**8601 Study Skills (2<sup>nd</sup> trimester)**

This course offers remediation, reinforcement, and assistance of the general education curriculum and classes. Students are given assistance with daily assignments from the general education classes. Students are taught specific study skills and organizational skills to enhance learning. Transition goals are addressed in this class. Exit Exam remediation is also provided in this course.

**20004 Transition Elective**

This course is required for 11<sup>th</sup> grade students who are pursuing the Alabama Occupational Diploma. During this class students will explore different career choices and participate in community based work experiences. Successful completion of community-based work is required for students to participate in Coordinated Studies Seminar during the 12<sup>th</sup> grade.

### **CERTIFICATE OF ATTENDANCE CURRICULUM**

Certificate courses require approval through a student's IEP.

**8821 Functional English P1**

**8822 Functional English P2**

This course expands and builds on the foundation skills. Basic knowledge in the areas of reading, writing, speaking, and listening is addressed which leads to successful transition to living and work environments. Target areas include following directions, listening, communication, vocabulary development, comprehension, writing, reading, and language usage. Due to the level of instruction, the special education teacher must approve placement in this course. This course does not meet the requirements for the Alabama Occupational Diploma or the Alabama High School Diploma.

**8813 Functional Math P1**

**8814 Functional Math P2**

This course will provide students with the opportunity to learn problem solving, decimals, and fractions. Basic geometry skills at this level focus on measurements and the identification of geometric shapes and representations. This course does not meet the requirements for the Alabama Occupational Diploma or the Alabama High School Diploma.

**8815 Functional Science P1**

**8816 Functional Science P2**

This course focuses on life science concepts. The emphasis of the curriculum is on nature and processes of science, structure, and functional of living systems; matter, energy, and organization of living systems, health, nutrition and safety. This course does not meet the requirement for the Alabama Occupational Diploma or the Alabama High School Diploma.

**8823 Functional History P1**

**8823 Functional History P2**

This course explores basic geography, American History as it relates to World History, and provides a foundation for the development of various skills that are essential to students' transition to independent living. This course does not meet the requirement for the Alabama Occupational Diploma or the Alabama High School Diploma.

**5121 Adaptive Physical Education (1<sup>st</sup> semester)**

**5122 Adaptive Physical Education (2<sup>nd</sup> semester)**

This course includes team and individual sports as well as requisites for identifying appropriate recreational activities for leading a healthy lifestyle inclusive of exercise and wellness training.

**8804 Life Skills (1<sup>st</sup> semester)**

**8805 Life Skills (2<sup>nd</sup> semester)**

This course provides a foundation for the development of various skills that are essential to students' transition to independent living and competitive employment. Skills include basic mobility within the community, understanding local government and road signs. Students are taught how to develop and use a plan to increase independence at home and how to identify community services that provide job training and placements. Career exploration will be offered during the course. The course stresses the importance of good work habits, basic life skills and following directions. This course does not meet the requirements for the Alabama Occupational Diploma or the Alabama High School Diploma.

**Required Summer Reading**

*The number in parentheses indicates the number of books required.*

**9<sup>th</sup> Regular English (1)**

Twisted Summer

**9<sup>th</sup> Honors English (2)**

Lord of the Nutcracker Men

Twisted Summer

**10<sup>th</sup> Regular English (1)**

Gentlehands

**10<sup>th</sup> Honors English (2)**

Cold Sassy Tree

The Adventures of Huckleberry Finn

**11<sup>th</sup> Regular English (1)**

A Walk to Remember

Or

The Five People You Meet in Heaven

(Some copies in the library)

**11<sup>th</sup> AP Language and Composition (4)**

All Over but the Shoutin'

Of Mice and Men

The Scarlet Letter

A Gathering of Old Men

**12<sup>th</sup> College Prep. (1)**

Bleachers

**12<sup>th</sup> Dual Enrollment (1)**

Tuesdays with Morrie

**12<sup>th</sup> Advanced Placement Literature and Composition (4)**

Boy's Life

The Mayor of Casterbridge

Brave New World

Man's Search for Meaning

## Required Summer Reading Assignments

### Honors English 10

*Cold Sassy Tree* by Olive Ann Burns  
*The Adventures of Huckleberry Finn* by Mark Twain

The summer reading written assignments will be due on the first day of school. You will have two different responses as explained below. Each response should be typed using 12 point Times New Roman font. This is a major grade; therefore, follow rules of grammar, usage, and punctuation.

- Olive Ann Burns wrote *Cold Sassy Tree* based on the life of her grandfather. After reading the novel, you will follow Olive Ann Burns' example by writing a short non-fiction narrative (3 to 5 typed, double-spaced pages) about an incident in the past as told to you by a member of your family (or a close friend); this person must be part of a generation prior to yours. You should begin by noting who relayed the story to you. This must be an incident you did not personally experience. The narrative should hold some type of significance by expressing a lesson learned or a change in perspective that resulted due to the event shared.

For *The Adventures of Huckleberry Finn*, you should choose **one** of the following:

- Write a poem (of 14 or more lines) containing three or more different literary elements such as alliteration, personification, imagery, simile, metaphor, onomatopoeia, etc. In an area separate from the poem, list each literary element used and a line number as a reference. This will be graded on content, relation to the novel, inclusion of literary elements, following directions, etc. The poem should be typed and the lines numbered.
- Write five journal/diary entries of at least one page (typed double-spaced), each one describing an event in the novel and your personal response to it. You should begin each entry by quoting two or three sentences you consider important to the novel and then include in your entry a response to the following questions: How does the event/passage make you feel? What is its connection to you, to other literature, and to the world? Why is it significant to you and to the novel? Remember to write your personal response, not the response of a character. Each entry should be typed.

## Required Summer Reading Assignments

### Advanced Placement English Literature and Composition

*Boy's Life* by Robert McCammon  
*The Mayor of Casterbridge* by Thomas Hardy  
*Brave New World* by Aldous Huxley  
*Man's Search for Meaning* by Viktor Frankl

These summer reading assignments will be due on the first day of school. You will have four different written responses as explained below. This entire assignment should be typed. Each written response is a major grade. After reading each novel, choose one of the following written responses. **You must choose a different response for each novel.** For example, you will write only one poem, and you can use the summary/squeeze with only one novel.

- Write a poem (of at least 14 lines) containing five or more different literary elements such as alliteration, personification, imagery, simile, metaphor, onomatopoeia, etc. Number your lines. Below the poem or on the next page, list each literary element used and a line number as a reference. This will be graded on content, inclusion of literary elements, following directions, etc.
- Write five journal/diary entries of one or more pages each (double-spaced) concerning some event in the novel and your personal response to it. Begin each entry by quoting one or two sentences from the novel. Address the following questions in each response: How does the event/passage make you feel? What is its connection to you, to other literature, and to the world? Why is it significant to you and to the novel?
- Write a summary of no more than 50 words for each chapter in the novel. Then squeeze the summary and reduce the information to no more than 10 words. Indicated chapter number/title; then write the 50 word summary and label it. Lastly, write the 10 word squeeze and label it.
- Outline the novel as if it were a five-act play with at least two scenes per act. Include the majority of events from the novel. Place the title at the top of the page, followed by "A Five Act Play" by your name. Give a list of characters before the beginning of Act I. Include the setting for each scene. Either list or summarize the events in each scene.
- Write a review of at least two pages (double-spaced) of the novel as if you were writing a review for a newspaper or magazine article. You should analyze the author's development of characters, setting, plot, symbolism, etc. Identify strengths and weaknesses in the novel (keeping the number of strengths longer than the number of weaknesses). You may include quotes from critics, but you must give credit to your source.

## Cullman High School 2009-2010 Registration – Practice Form

Name: \_\_\_\_\_ Current Grade Level: \_\_\_\_\_  
Last First Middle

Social Security #: \_\_\_\_\_ Birth Date: \_\_\_\_\_

**Instructions:**

1. Refer to the course catalog for course descriptions and requirements.
2. Complete the four-year plan, summer school plan (if necessary), and parent information on the back of this form.
3. Select the courses you wish to take after consulting with teachers, counselors, and parents. Teacher approval is required for many courses. If parents disagree with the teacher's recommendation and want to override the recommendation, they must sign an override form in person in the guidance office. Students must choose fourteen course numbers for their schedule. Course numbers for both parts of English, math, science, and history selections must be included unless the student is repeating one section due to failure. In the case of failed courses that are being retaken, enter the course number and name in the blanks designated for an elective.
4. List alternate electives in order of preference. If alternates are not selected, the counselors will make the selection for the student.

	<b>Subject</b>	<b>Course #</b>	<b>Course Name</b>	<b>Teacher Approval</b>
English	P1	P2	_____	_____
Math	P1	P2	_____	_____
Science	P1	P2	_____	_____
History	P1	P2	_____	_____
Elective	_____	_____	_____	_____
Elective	_____	_____	_____	_____
Elective	_____	_____	_____	_____
Elective	_____	_____	_____	_____
Elective	_____	_____	_____	_____
Elective	_____	_____	_____	_____

**Alternate Electives:**

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Did you take Computer Applications at Cullman Middle School? \_\_\_\_\_

This completed course selection must be returned by February 25, 2009. Extreme care must be exercised when making course selections. The master schedule, textbook purchase, and school staffing are based upon the selection of courses by students. Therefore, students will not be guaranteed the opportunity to make changes to their course selections after April 9, 2009, except in extreme or documented extenuating circumstances, such as failure of a course. The signatures below indicate that you have read and understand the above statement concerning schedule changes, have read the course descriptions and requirements in the course catalog, and agree with the above course selections. Furthermore, you have read the graduation requirements and accordingly completed the four-year plan on the back of this form. You also understand that it is the student's responsibility to complete the summer reading requirements for his/her English class before school begins in August.

Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Parent/Guardian Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**Four-year Plan**

<b>Diploma Type (circle one):</b>	<b>Regular</b>	<b>Advanced</b>	<b>Occupational</b>	<b>Certificate</b>
Subject Area (Carnegie Units Required)	9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>
English (4)				
Math (4)				
Social Science (4)				
Science (4)				
Physical Education (1)				
Health (.5)				
Fine Arts (.5)				
Computer Applications (.5)				
Foreign Language (2; required only for advanced diploma)				
Electives (5.5)				

<p><b>What are your immediate plans after graduating from high school (circle all that apply):</b></p>	<p>Enter Workforce Military Technical School Community College Four-year College</p>	<p><b>What is your career interest?</b></p>	<p><b>List any classes you are planning to take in Summer School during 2009.</b></p>
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**STUDENT INFORMATION (PLEASE PRINT)**

**MUST BE FILLED OUT BY PARENT PRIOR TO REGISTRATION**

Home Address: \_\_\_\_\_ Home Phone: \_\_\_\_\_

Student Lives With (circle one): Both Parents    Mother    Father    Guardian

Father's Name: \_\_\_\_\_ Circle one: Father    Stepfather    Guardian

Work Phone: \_\_\_\_\_ Cell Phone: \_\_\_\_\_ email: \_\_\_\_\_

Mother's Name: \_\_\_\_\_ Circle one: Mother    Stepmother    Guardian

Work Phone: \_\_\_\_\_ Cell Phone: \_\_\_\_\_ email: \_\_\_\_\_

**Emergency Contact Information**

Please list persons other than the parent/guardians who can take responsibility for the student in an emergency situation and/or who you give permission to check the student out of school.

Name	Relationship	Phone Number
1. _____		
2. _____		
3. _____		

Student's Physician: \_\_\_\_\_ Physician's Phone Number: \_\_\_\_\_

Allergies/Health Problems/Medications: \_\_\_\_\_