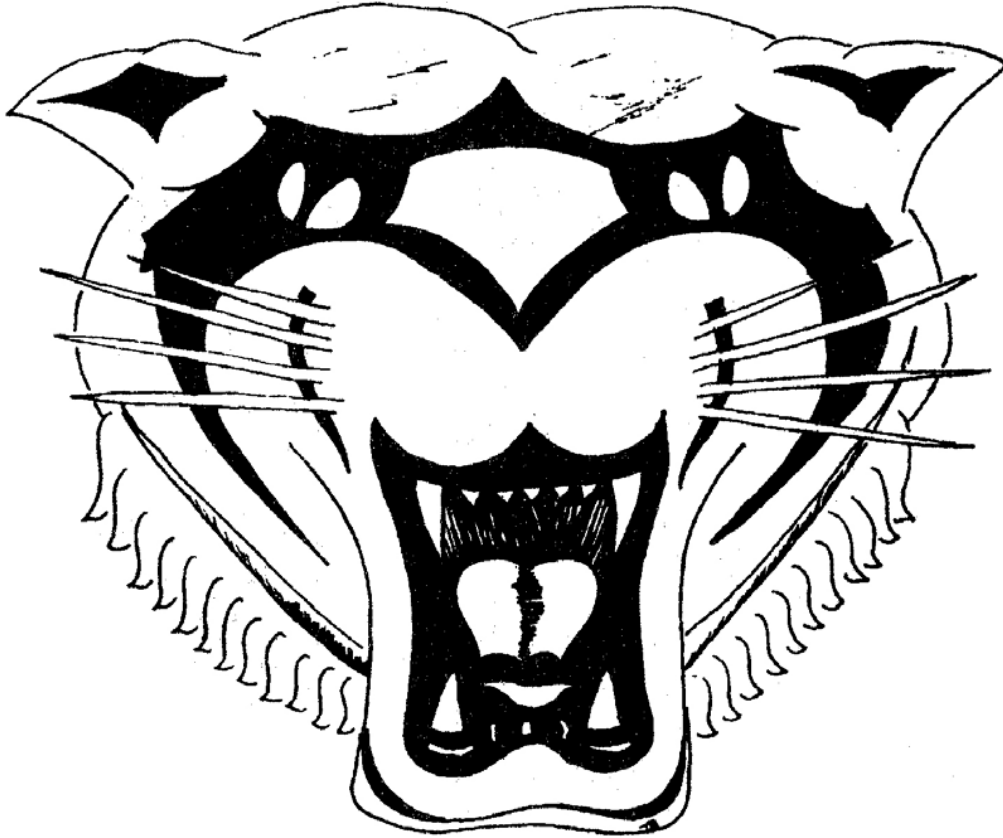


# Cullman High School



**Course Catalog**  
**2010-2011**

## TABLE OF CONTENTS

Mission Statement	3
Diploma Requirements	3
Promotion Requirements	4
Advance Placement (AP) Courses	5
Honors Courses	5
Dual Enrollment	5
Career Technical Courses	6
Work Experience/Coordinated Studies	6
Academic Requirements for Athletic Eligibility	6
NCAA Requirements for College Athletics	6
Schedule Changes	6
Access Distance Learning Program	7
Guidelines for Transfer Students	7
Course Descriptions	8
English	8
Mathematics	10
Science	13
Social Science	14
Health, Driver's Education, and Physical Education	16
Foreign Language	16
Visual Arts	18
Performing Arts	19
Family and Consumer Sciences	21
Architecture, Construction and Manufacturing	23
Agriculture, Food and Natural Resources	24
Drafting and Design Technology	25
Business, Management and Administration; Marketing & Sales	26
Other Electives	27
Occupational Diploma Curriculum	28
Certificate of Attendance Curriculum	31
Appendix A – Required Summer Reading	32
Appendix B – Required Summer Reading Assignments	33
Frequently Asked Questions	36
Practice Registration Form	38

## 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 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 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 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.

**Students taking AP courses must take the AP test which will be given in May 2011.** Most universities accept grades of three and above (five is the highest score possible). The Advanced Placement Program charges a fee 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 junior and 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 dual enrollment courses requires an overall 85 average and an ACT score of 20 in specific subject areas. Students must have completed the 10th grade requirements.

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.

### DUAL ENROLLMENT COURSE NUMBERS

CHS COURSE NUMBER	WSCC COLLEGE COURSE NUMBERS	CHS COURSE NUMBER	WSCC COLLEGE COURSE NUMBERS
30000	CHEMISTRY 111	30001	CHEMISTRY 112
30002	ENGLISH 101 (COMPOSITION)	30003	ENGLISH 102 (COMPOSITION)
30004	ENGLISH 271 (LITERATURE)	30005	ENGLISH 272 (LITERATURE)
30006	HISTORY 201 (US HISTORY)	30007	HISTORY 202 (US HISTORY)
30008	PRE-CALCULUS 112	30009	PRE-CALCULUS 113
30010	CALCULUS 125	30011	CALCULUS 126

### **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.

### **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 30, 2010. A student may not drop an Honors or AP course after April 30, 2010. Once scheduled for a DE course a student may not drop the course. From May 1-May 28, 2010, schedule changes will require a \$20 fee. (This does not include Honors, AP, or DE). No schedule changes will be made after May 28, 2010 for any reason. Choose courses wisely. Request for specific instructors will not be honored.

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.

## **ACCESS DISTANCE LEARNING PROGRAM**

ACCESS Distance Learning (Alabama Connecting Classrooms, Educators, and Students Statewide) is an education initiative of the Alabama Department of Education. It provides opportunities and options for Alabama public high school students to engage in Advanced Placement (AP), elective, and other courses to which they may not otherwise have access.

**Q: Who can enroll in an ACCESS Distance Learning course?**

**A:** ACCESS Distance Learning courses are available to students who meet the following criteria:

- Enrolled in Grades 9-12 in an Alabama public high school

**Q: How do students register for courses?**

**A:** All requests for placement in ACCESS Distance Learning courses are made by local high school counselors. Counselors are able to request courses online at [www.accessdl.state.al.us](http://www.accessdl.state.al.us).

**Q: Is there a student charge for ACCESS Distance Learning courses?**

**A:** No. Courses are provided at no cost to students.

**Q: Where is ACCESS Distance Learning courses delivered?**

**A:** All courses are offered at school during the regular school day under state rules established to govern the program.

## **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 Carnegie unit.

### ALL ENGLISH STUDENTS: 9-12

**All English students are required to have their own personal USB drive.**  
**All English students are responsible for acquiring copies of required novels.**

### ENGLISH

All parents and students should read the appendices A and B on pages 33-36 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

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

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. Summer reading is required. Prerequisites: Any student who maintained a 90 average in a 8th grade English class.

#### 1221 English 10

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 is required. Prerequisite: English 9

#### 1241 Honors English 10

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 is 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

This course reviews grammar, composition, reading, and research skills. Students will expand their composition skills in writing multiple extended compositions including literary analysis and research essays. Students are required to read five major works from American literature including Hamlet. In addition, students will read various short stories, plays, and poems from literature book. Summer reading is required.

Prerequisite: English 10

#### 1341 Honors English 11

This course is designed with emphasis on solid foundation of language, reading, composition and research skills. Students are required to read seven major works from American literature as well as Hamlet. In addition, students will read various short stories, essays, plays, poems from literature book. Students will write multiple extended essays including literary analysis and research essays. Summer reading is required.

Prerequisite: students must have an 85 overall average in Honors English 10 or a 90 overall average in English 10. Teacher recommendation is required.

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

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 is required. Prerequisite: tenth grade honors or regular English teacher recommendation

### **1421 English 12**

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

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

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.

### **1130 Southern Writers (Grades 10-12)**

This course is designed to help students gain understanding of the rich cultural traditions and characteristics of the South in its heritage of literature and story telling. This course covers the Southern Renaissance of 1920's; Southern Gothic Period 1930-1950; and Modern Period 1960 to present. Students will read 3 major works along with various short stories and poetry selections all by Southern authors. There will be several formal writing and creative assignments completed throughout the course.

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

Speech class is a one-semester 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**

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 is highly recommended or had Algebra I in the eighth grade

#### **2121 Algebra IA**

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**

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**

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**

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. Calculator use is acceptable. This course does not satisfy the requirement for the Advanced Academic Diploma. Prerequisite: Algebra I or equivalency

**2241 Geometry B**

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. This course does not satisfy the requirement for the Advanced Academic Diploma. Prerequisite: Geometry A or equivalency

**2261 Honors Geometry**

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 a 90 average in Algebra I, or approval from previous Algebra I teacher, or must have an 80 average in CMS Honors Algebra I.

**2243 Algebraic Connections**

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**

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 Pre-Calculus. 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**

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**

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 a 75 average in Honors Geometry, or teacher recommendation

### **2343 Algebra III with Statistics**

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 Pre-Calculus**

Pre-calculus 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 Pre-Calculus**

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 pre-calculus 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 semester 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**

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 85 average in Pre-calculus or 80 average in Honors Pre-Calculus, or teacher recommendation.

### **2621 Advanced Placement Calculus AB**

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. College credit may be earned by scoring high enough on the AP exam. This course is beyond the minimum requirements for the Advanced Academic Diploma. Prerequisites: At least a 90 average in Pre-Calculus or 85 average in Honors Pre-Calculus.

## 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**

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 pre-algebra skills.

### **3151 Biology**

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**

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**

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**

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**

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**

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**

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**

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 semester course that is recommended for the second semester after completing Chemistry I. Prerequisite: Chemistry I

### **3351 Advanced Placement Chemistry**

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**

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**

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**

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**

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**

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 two 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 two chapters. The lists can be found on pages 13 and 36. 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-use of summer assignment will be allowed.

### **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

#### **5101 Physical Education L.I.F.E**

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 than one time during a school year.

Fee: \$3.00 lock fee per semester or \$5.00 lock fee per year. (May bring own lock from home)

This class does require a uniform purchase: (Shorts and PE Shirt).

### **FOREIGN LANGUAGE**

Two credits of the same language are required for a diploma with the advanced academic endorsement.

#### **6111 French I**

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**

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**

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**

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**

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**

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**

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**

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**

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**

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**

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**

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 Photography**

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 Photography**

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, and 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.

### **7012 Beginning Violin**

This course is an introduction to the fundamentals of playing the violin with performance opportunities.

### **7013 Advanced Violin**

The advanced violin course covers advanced violin techniques and ensemble skills.

Prerequisite: two years or more of violin instruction.

### **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 Percussion Marching (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**

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 Chamber 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. Prerequisites: Audition with instructor's approval. Fee: \$30.00

### **7721 Musical Performance**

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 semester. 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 are interested in becoming FACS completers will earn a cord for graduation. This can be accomplished by choosing one of the three pathways. You must complete 3 courses in a pathway to earn a cord. A student may take any FACS course as an elective. However, in order to earn a cord they must complete 3 courses in a pathway. Please make your counselor aware of your interest in earning a cord upon registration so they may plan your schedule accordingly. These specifications for earning a cord apply to all students who are currently in the 9<sup>th</sup> grade or will be entering the 9<sup>th</sup> grade. Students currently in the 10<sup>th</sup>-12<sup>th</sup> grades with earn a cord by the previous year's specifications.

Choose from one of these pathways:

#### **FOODS Pathway**

FACS and Foods  
Life Connections/Family Wellness  
Food and Nutrition

#### **Fashion Pathway**

FACS and Foods  
Life Connections/Fashion  
Fashion Design

#### **Parenting Pathway**

FACS and Foods  
Life Connections/Family Wellness  
Parenting and Child Development

FACS and Foods is the foundation course for all of the pathways. A student might not know what pathway interests them until they complete the FACS and Foods course. As long as the student expresses their interest in earning a cord to their counselor the student may decide which pathway to take at a later date.

#### **9901 FACS and Foods (Food and Fitness) (one-credit)**

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.

**9931 Life Connections (one-half credit)**

**9903 Family Wellness (one-half credit)**

**This is a year long course that will include both classes. You will be signing up for both courses.**

Life Connections- 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. Recommended for grades 10-12; Fee: \$20.00

Family Wellness- Students will have the opportunity to explore family health throughout the stages of the life span. Topics include personal and family health goals, health risks, healthy relationships, mental and emotional health, emergency care, first aid, disease prevention, substance abuse, and the relationship between nutrition and health. Kitchen labs are part of the curriculum. This course is considered a health credit for students who are in a pathway for a cord for graduation. Recommended for grades 10-12; Fee: \$20.00

**9902 Food and Nutrition (Creative Foods and Culinary Arts) - Prerequisite- FACS and Foods (one-credit)**

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 10-12; Fee: \$20.00

**9943 Parenting and Child Development\_ 11<sup>th</sup> -12<sup>th</sup> grade only (one-credit)**

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.

**9931 Life Connections (one-half credit)**

**9910 Fashion (one-half credit)**

**This is a year long course that will include both classes. You will be signing up for both courses.**

Life Connections- 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, and career planning and balancing work and family. Kitchen labs are part of the curriculum. Recommended for grades 10-12; Fee: \$20.00

Fashion- This course introduces students to the selection, creation and care of clothing and accessories for individuals and families. Students explore apparel choice, current fashion trends, apparel design, wardrobe planning, fashion designers, and career options in the apparel and textile industries. Students will utilize current technology to design and create fashion projects. Sewing labs are part of the curriculum. Fee: \$20.00

**9911 Fashion Design – (Prerequisite- Fashion) (one-credit)**

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, and color schemes, designing fashions, drafting a pattern and coordination fashion and accessories. Sewing labs are part of the curriculum. Recommended for grades 10-12. 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**

(Prerequisite for all other classes.)

(1 Credit Class)

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. There is a \$5.00 to \$25.00 per project fee that is due before beginning the project.

(Fee: \$25.00 per semester)

### **9951 Carpentry I**

Preferred 10<sup>th</sup> – 12<sup>th</sup> grade

(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 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: \$25.00 per semester)

### **9981 Carpentry II**

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. (Fee: \$25.00 per semester)

### **9941 Cabinet Making I**

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. (Fee: \$25.00 per semester) There is a \$15.00 per project fee that is due prior to project start.

### **9961 Carpentry for Residential Interiors**

(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. (Fee: \$25.00 per semester)

## AGRICULTURE, FOOD AND NATURAL RESOURCES

Instruction in the Agriculture, Food, and Natural Resources cluster provides students with the essential knowledge, high-level skills, and training demanded for work in this cluster. Learning activities simulate types of work environments students may encounter, which include opportunities to gain knowledge and skills through coordinated workplace learning experiences such as on-site visits and work shadowing. The classroom and laboratory for this cluster provide a safe and appropriate setting for active, structured, and stimulating student learning and assessment. Students in this cluster affiliate with FFA as the co-curricular Career and Technical Student Organization (CTSO). Career and technical student organizations are integral, components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth.

### **10031 Agribusiness Technology/Introduction to Metal Fabrication (Welding)**

This one credit course combines Agribusiness Technology with Introduction to Metal Fabrication. This course is designed to facilitate student success in careers in agribusiness technology, metal fabrication/welding or success in any agricultural field. This course provides students with opportunities to acquire knowledge and skills related to agribusiness technology and metal fabrication in the workplace. Topics include careers, safety, agribusiness software, networking, telecommunications, global positioning systems, electronic control systems, metal preparation and finishing, metal cutting, weld quality, oxyfuel welding/cutting, plasma cutting, tool identification, shielded metal arc welding (SMAW), and gas metal arc welding (GMAW). This course provides students with opportunities to participate in hands-on activities in the laboratory.

Recommended for grades 10-12

Fee: \$15.00 per semester

### **10003 Agribusiness Management/Horticultural Science**

This one credit course combines Agribusiness Management with Horticultural Science. This course provides students with a basis for making effective decisions, setting goals, assessing and solving problems, appraising financial progress and success, evaluating the management of resources, and gaining skills useful in the horticulture and agricultural industry. Students also evaluate national and international policies, regulations, and values that affect the production and trade of agricultural commodities. Topics include career opportunities, safety, principles of agribusiness economics, financial management, marketing agricultural products, business regulations, entrepreneurship, plant physiology, growing media, greenhouse facilities, greenhouse and nursery crop production, plant identification and classification, pest management, hydroponics and vegetable gardening, turfgrasses, lawn care, tool/equipment maintenance, residential landscape design and maintenance, and technological applications.

Recommended for grades 9-12

Fee: \$10.00 per semester

### **10201 AgriScience**

AgriScience is a one credit course that 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 topics such as career opportunities, safety, technology applications, agribusiness leadership, environmental science, soil science, plant science, forestry, animal science, aquaculture, wildlife science, pest management, woodworking, metalworking, small engines, electrical wiring, plumbing, and others.

Recommended for grades 9-12

Fee: \$10.00 per semester

### **10181 Animal Science**

Animal Science is a one credit course that provides students with instruction regarding this area of the agricultural industry. Students participate in activities related to the animal science field as they engage in the study of topics such as career opportunities, safety, importance of the livestock industry, breed identification and characteristics, nutrition, meat science, disease and parasite control, animal health, poultry science, aquaculture, genetics and reproduction, animal rights versus animal welfare, specialty animal production, and animal products.

Recommended for grades 9-12

Fee: \$10.00 per semester

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

Fish & Wildlife Management is a 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 and out of 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. Recommended for grades 10-12 Fee: \$10.00 per semester

## **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.

### **10251 Introduction to Drafting Design (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.

### **10254 Intermediate Drafting Design (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 (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 (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, MANAGEMENT AND ADMINISTRATION MARKETING SALES AND SERVICE**

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 offered programs/pathways, you must take the required foundation course (1 full credit) then customize your completion of the program with other courses from that program that total (2 credits). All it takes is 3 credits to be a Career/Technical Business or Marketing Completer and to receive a special cord at graduation. In addition, students of these classes are eligible to become members of the Future Business Leaders of America.

## **BUSINESS, MANAGEMENT AND ADMINISTRATION COURSES**

### **10304 Business Technology Applications**

Business Technology Applications is a one-credit foundation course designed to assist students in developing technological proficiencies in typing, safety, word processing, spreadsheet, databases, presentations, communications, internet use, ethics, and careers using technology applications. Simulations and projects promoting teamwork, leadership, and workplace skills offer further opportunities for application of knowledge and skills. This is a required course for completion status in a Business or Marketing program.

Course fee: \$30.00

### **10310 Personal Finance**

Personal Finance is half-credit course that introduces students to the management of personal and family resources to achieve personal goals and financial successes. Content provides opportunities for students to explore consumer behavior, laws and legislation, consumer protection, consumer rights and responsibilities, consumer decision making, insurance, 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.

Course fee: \$30.00

### **10320 Management Principles**

Management Principles is a half-credit course designed to provide students with an understanding of the organizational functions of businesses, including quality concepts, project management and control, and problem solving. Topics include analyzing functions of management, payroll organization, examining leadership styles, reviewing organizational structures and running day to day functions of business. Course fee: \$30.00

### **10371 Law in Society**

Law in Society is a one-half credit course designed to acquaint students with basic legal principles common to business and personal activities. This course is an overview of criminal, civil, contract, and consumer law. Topics include evaluating contracts, purchasing appropriate insurance, interpreting state and federal criminal law, representing other businesses as employee or contractor, creating wills and analyzing laws pertaining to marriage, divorce, property and child custody. A classroom mock-trial will be the culminating project of this course in which participation is required.

Course fee: \$30.00

**1531 Multimedia Design**

Multimedia Design is a one-credit course designed to provide students with hands-on skills involving graphic design, digital photography, Web publishing, and digital video production. Students use various hardware peripherals and software for completing documents. Course fee: \$30.00

**1532 Multimedia Publications**

Multimedia Publications is a one-credit course designed to provide students with the ability to utilize digital equipment and multimedia digital imaging software, produce interactive media projects, and develop publication layouts. Students use various hardware peripherals as well as the Internet for integrating skills to create a variety of publications. Course fee: \$30.00

**MARKETING, SALES AND SERVICE COURSES****10391 Marketing Principles**

Marketing Principles is a one-credit course designed to provide students with an overview of in-depth marketing concepts. Students develop a foundational knowledge of marketing and its functions, including marketing information management, pricing, product and service management, entrepreneurship, and promotion and selling. Students examine the need for sales and marketing strategies. Students practice customer relationship skills, ethics, technology applications, and communicating in the workplace. Course fee: \$30.00

**10400 Fashion Merchandising**

Fashion Merchandising is a one-credit course for students who are interested in the fashion and retail industry and have a true sense of business. Content provides opportunities for students to explore factors related to the retail industry, examine structure and organization of fashion business operations, study merchandising techniques, utilize technology in fashion merchandising, and explore career options in fashion and retail industries.

**10401 Coordinated Studies**

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****10681 English Language Learners**

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 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.

**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.

**20000 CCPS Seminar**

This seminar is for seniors interested in the field of early childhood education. Students will intern at Cullman City Primary School (kindergarten and first grade) under the direction of the classroom teacher.

**20007 CHS Innovation Group**

This class is for juniors and seniors. CHS Innovation Group is comprised of a diverse group of students, with all levels of technical ability (or lack thereof) to assist in moving forward the way in which Cullman High School uses technology to improve instruction. You will be expected to seek new ways to use the tools available to students and teachers to provide a more meaningful learning experience. This class will investigate the use of educational networking, Web 2.0 tools, and familiar tools used in new ways.

Classes will be student-driven with guidance provided by the laptop training coach. Students will be given a framework of tasks and asked to be creative about finding solutions and opportunities to improve the learning process. A portion of the student's time will be devoted to the student's individual passion and interests and how that can be used in innovative ways to help students connect in the classroom.

**OCCUPATIONAL DIPLOMA CURRICULUM**

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

**8100 Life Skills Science I: 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: 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: Earth and Space Science**

This course focuses on Earth and Space Science including environmental issues. It provides students with 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**

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**

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**

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**

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**

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**

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**

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**

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**

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**

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**

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**

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**

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**

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**

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**

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**

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**

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**

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**

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**

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.

### **8808 Resource Art**

This course is designed to be an introduction to basic art media, techniques, and art history that has been modified for students working toward an Alabama Graduation Certificate. This course is also designed to be exploratory in nature, with exposure to a variety of art, flexible and adapted to the needs and strengths of individual students."

English 9  
Twisted Summer

Honors English 9  
Lord of the Nutcracker Men  
Twisted Summer

Modern World History  
Lord of the Nutcracker Men

English 10  
Gentlehands

Honors English 10  
Cold Sassy Tree  
The Adventures of Huckleberry Finn  
(Written Assignment)

English 11  
A Walk to Remember

Honors English 11  
The Client

11<sup>th</sup> AP English Language and Composition  
All Over But the Shoutin'  
Of Mice and Men  
The Scarlet Letter  
A Gathering of Old Men  
(Written Assignment)

English 12  
Bleachers

English 12 Dual Enrollment  
(Choose One)  
The Hobbit; Into the Wild; or The Secret Life of Bees

12<sup>th</sup> AP English Literature and Composition  
Boy's Life  
The Mayor of Casterbridge  
Brave New World  
Man's Search for Meaning  
(Written Assignment)

AP History  
United States History: Preparing for The Advanced Placement Examination  
An Amsco Publication

## Required Summer Reading Assignments

## Appendix B

### 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 Language and Composition

*All Over but the Shoutin* by Rick Bragg  
*The Scarlet Letter* by Nathaniel Hawthorne  
*Of Mice and Men* by John Steinbeck  
*A Gathering of Old Men* by Ernest J. Gaines

These summer reading assignments will be due on the first day of school. You will have **four different written responses** as explained below. It is your responsibility to deliver them to me in room 12 in A building. Each written response is a major grade. You will also have an objective test and a writing assignment on each novel when classes begin.

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 14 or more lines) containing five or more literary elements such as alliteration, personification, imagery, simile, metaphor, onomatopoeia, etc. 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, neatness, following directions, etc. The poem should be typed on one side of the page only.
- Write five journal/diary entries of 1 or more pages each (single-space handwritten work, double-space typed work) concerning some event in the novel and your personal response to it. You may choose to isolate one or two sentences from the novel. 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 your novel. Then *squeeze* the summary and reduce the information to no more than 10 words. Indicate chapter number/title; then write the 50-word summary and label it. Last of all, 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 beginning Act I. Include the setting for each scene. Either list or summarize the events in each scene.
- Write a review of the novel as if you were writing a review for a newspaper or magazine. 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. For example, you may begin with "According to critic Sam Sees-all."

Follow directions as you complete your assignments. You must use 12 point Times New Roman font or write in black ink on one side of the page. Please refer to information on literary elements as you write your poem. Avoid grammatical mistakes in your responses. **Note: you should deliver four different responses on the first day of school.**

## 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.

## FREQUENTLY ASKED QUESTIONS

### What courses are weighted (extra points)?

AP classes 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.

Honors classes 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.

The following courses are weighted ten points:

AP Chemistry

AP History

AP English Language and Composition

AP English Literature and Composition

AP Calculus

The following courses are weighted five points:

Honors English 9-11

Honors Geometry

Honors Algebra II with Trig

Honors Precalculus

Honors Biology

Honors Chemistry

Dual Enrollment English

Dual Enrollment Chemistry

Dual Enrollment Calculus

Dual Enrollment Pre-Calculus

Dual Enrollment US History

### EXAMPLE OF WEIGHTED AND NON-WEIGHTED COURSES:

#### Numeric GPA Example (No Weight Added)

The example below may be used to illustrate this process.

- A student has four grades: 98, 95, 89 and 74. The following conditions apply:
  - All courses receive 0.5 credits earned and attempted.
- The GPA calculation will work as follows:

Grade	Quality Pts.	Weight Added	Weight Multiplier	Credit Attempt	Quality Pts.
98	98	+ 0 = 98	x 1.0 = 98	x 0.5 =	49
95	95	+ 0 = 95	x 1.0 = 95	x 0.5 =	47.5
89	89	+ 0 = 89	x 1.0 = 89	x 0.5 =	44.5
74	74	+ 0 = 74	x 1.0 = 74	x 0.5 =	<u>37</u>

**Total Quality Points: 178.0**

**Total Quality Points:**

178.0 (Quality Points)

2.0 (Credits Attempted) = **89 GPA**

### Numeric GPA Example (Weight Added)

The example below may be used to illustrate this process.

- A student has four grades: 98, 95, 89 and 74. The following conditions apply:

The 89 is in a weighted AP course. (AP is weighted 10 points)

The 74 is in a weighted Honors course. (Honors is weighted 5 points)

All courses receive 0.5 credits earned and attempted.

- The GPA calculation will work as follows:

Grade	Quality Pts.	Weight Added	Weight Multiplier	Credit Attempt	Quality Pts.
98	98 + 0	= 98 x 1.0	= 98 x 0.5	=	49
95	95 + 0	= 95 x 1.0	= 95 x 0.5	=	47.5
89	89 + 10.000	= 99 x 1.0	= 99 x 0.5	=	49.5
74	74 + 5.000	= 79 x 1.0	= 79 x 0.5	=	<u>39.5</u>

**Total Quality Points: 185.5**

**Total Quality Points :**

185.5 (Quality Points)

2.0 (Credits Attempted) = **92.75 GPA**

The total Quality Points are divided by the total Credits Attempted to calculate the Grade Point Average.

## Cullman High School 2010-2011 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 Course #</b>	<b>Course Name</b>	<b>Teacher Approval</b>
English _____	_____	_____
Math _____	_____	_____
Science _____	_____	_____
History _____	_____	_____
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 March 24, 2010. 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 30, 2010, 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)				

<b>What are your immediate plans after graduating from high school (circle all that apply):</b>	Enter Workforce Military Technical School Community College Four-year College	<b>What is your career interest?</b>	<b>List any classes you are planning to take in Summer School during 2010.</b>
---	---	--------------------------------------	--

**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: \_\_\_\_\_