

**Academic
Policies**

GRADES 7-12
Page 4



**DIPLOMA TRACK/
CREDITS**
Page 6-8



**CO-CURRICULAR
POLICIES**
Page 10



COURSES
Page 12
NCAA Approved

MADISON ACADEMY CURRICULUM

GRADES 7-12



THE MISSION OF MADISON ACADEMY

“To provide a quality education in a Christian environment that will help students grow in wisdom and stature and in favor with God and man.”

A Christian education provides our students with an understanding of their relation to God and the world in which we live. Our goal is to meet the needs of each child so that he/she can live a life that will please and glorify God.

We pledge. . .

. . .to develop Christian attitudes, which go hand-in-hand with traditional American ideals of good citizenship.

. . .to provide high-quality learning experiences and honest evaluation of our students and ourselves.

. . . to relate Biblical principles to everything that is taught, both in the classroom and in all school-sponsored activities.

THIS CURRICULUM HANDBOOK IS IN TWO PARTS:

Part One: Academic and Co-Curricular policies that explain the requirements for earning a Madison Academy Diploma, regular or advanced, and maintaining eligibility for participation in extracurricular activities

Part Two: Course Catalogue that includes core course pathways and descriptions and current elective offerings

Thank you for choosing Madison Academy. Our staff, faculty, and volunteer board of directors strive to faithfully administer the Lord's work at MA in keeping with our mission, and we look forward to serving your family in God's name.

*The Administration and Board of Directors
Madison Academy*

Table of Contents

The Mission of Madison Academy.....	2
Introductory Information.....	4
Academic Policies.....	4
Co-Curricular Policies.....	10
Course Catalog.....	12
Bible.....	12
English.....	13
Math.....	18
Science.....	23
Social Sciences.....	27
Academic Electives.....	31
Visual Arts.....	32
Musical Arts.....	34
Theatrical Arts.....	35
Physical Education.....	36
Business Education.....	37
Foreign Language.....	38
Life Skills Electives	38
Service Electives	40
S.T.E.M. Electives.....	41

INTRODUCTORY INFORMATION

NON-DISCRIMINATION STATEMENT

Madison Academy is a Christian school open to any qualified student without regard to race, religion, sex, color, national or ethnic origin, or physical handicap. In a manner consistent with all applicable laws and regulations, it does not discriminate on the basis of race, religion, sex, color, national or ethnic origin, or physical handicap in the administration of its educational policies, programs, and activities except where necessitated by specific religious tenets held by the institution.

ACCREDITATION

Madison Academy is fully accredited by the AdvancED, formerly known as Southern Association of Colleges and Schools (SACS) and by the National Christian School Association (NCSA).

ACADEMIC POLICIES

GRADES, GRADING SCALE, GPA, REPORT CARDS

- **Grades** are available on-line for parents and students to check – please see the section entitled RenWeb for details. With the accessibility of this information, we encourage you to monitor your child's grades on a regular basis. For those families without on-line availability, printed progress will be available upon request. Please check with the Upper School office for grade access directions.
- **Grading scale:** A=90-100 B=80-89 C=70-79 D=65-69 F=0-64
- **WGPA** (Weighted Grade Point Average) for colleges will include all subjects. This average includes all core courses, electives, Bible, and bonus points for classes designated as AP, dual-enroll, and honors classes
- **GPA** (Grade Point Average) will be used for some in-school recognition and participation in programs. The GPA and equivalent numeric average includes only the four core academic subjects: math, science, history, and English. Transcripts will show both GPAs and contain an explanation regarding the differences.
- **Report cards** will be issued at the end of each 9-week grading period. If you do not receive a report card, please contact the Upper School office.
- **note:** Students/parents have one (1) year in which to report and correct any discrepancies regarding grades/semester exams. Academic support material, grade books and semester exams will only be kept for twelve months.

PARTICIPATION GRADES for ALL 7-12 ELECTIVE AND BIBLE COURSES:

Participation grades will be given to students in all elective and Bible courses grades 7-12 based on the following Madison Academy **Classroom Rules**. These rules are as follows:

- **Be on Time**
- **Be Prepared** with assignments, book, pencil and paper, iPad or Mac Book
- **Be Courteous** and use positive, appropriate language
- **Show respect** for self, classmates and teacher
- **Be Responsible** and work productively

The **Participation Grade** will make up 10% of each student's overall grade in the elective or Bible class and will be awarded daily—five points—on an “All or None.”

SEMESTER EXAMS

Semester exams will be given in all academic subjects. Semester exams may be given in the nonacademic subjects (art, drama, chorus, band, and PE) at the discretion of the teacher. **All students will take exams for the first semester.** Second semester exams may be exempted based upon the following criteria:

- For students in grades 7 – 11, the student must have a grade of “A” in the class; seniors may exempt with a grade of “A” or “B” in the class.
- If the class is the second half of a full-year course, the student must have earned a “B” or higher the first semester.

This semester exam exemption privilege may be revoked for individual students as a consequence for misbehavior.

ACADEMIC HONOR ROLLS

President's List—Student must maintain at least a 95% on the four core academic subjects with no grade below a B.

Principal's List—Student must maintain at least a 90% average on the four core academic subjects with no grade below a C.

ACADEMIC REQUIREMENTS FOR GRADUATION

Participation in Madison Academy's graduation is considered an honor. In order to participate in the commencement ceremony, students must have passed the classes determined necessary by administration and attend required practices. Students may be denied the opportunity to participate in the commencement ceremony for disciplinary reasons. If a senior is in danger of being ineligible to participate due to academic or behavioral difficulties, parents will be notified as soon as the problem is identified. In the event that a senior does not graduate (on time), all coursework for credit must be completed before a diploma can be awarded.

Diploma Requirement Checklist

Class of 2017, 2018, 2019

Student Name: _____ Diploma Type: Reg Adv

Date: _____ Grade: _____ Credits Earned: _____

English-4 credits

- _____ English 9 Honors 9
- _____ English 10 Honors 10
- _____ English 11 AP
- _____ English 12 DE AP

Math-4 credits

- _____ Algebra I
- _____ Geometry
- _____ _____
- _____ _____
- _____ _____
- _____ _____

Bible-4 credits

- _____ Bible 9 _____ Bible 10
- _____ Bible 11 _____ Bible 12

Required Electives-1.5 credits

- _____ Health (OR 2 semesters of Human Phys)
- _____ P.E. (OR Athletic P.E. OR 2 sem. marching band)

Electives-4.5 credits

- _____ _____
- _____ _____
- _____ _____
- _____ _____
- _____ _____

Social Studies-4 credits

- _____ US History 9 (req)
- _____ Ethics/Sociology
- _____ US Pres/US at War
- _____ AP US History
- _____ World History DE
- _____ Government/Economics (req)
- _____ _____
- _____ _____

Science-4 credits

- _____ Biology
- _____ A physical science
- _____ _____
- _____ _____
- _____ _____
- _____ _____

Foreign Language-2

must be in same language for Advanced Diploma

- _____ Foreign Language I
- _____ Foreign Language II

Notes:

- Advanced Diploma additional requirements=
- 1. Algebra I, Geometry, plus 2 advanced math classes
- 2. Biology, Honors Chemistry, plus 2 advanced sciences
- 3. 2 levels of the same foreign language
- 4. No semester average below a 70 in any class

Diploma Requirement Checklist

Class of 2020 +

Student Name: _____

Diploma Type: Reg Adv

Date:

Grade:

Credits Earned:

English-4 credits

- _____ English 9 Honors 9
- _____ English 10 Honors 10
- _____ English 11 AP
- _____ English 12 DE AP

Social Studies-4 credits

- _____ World History 9 (req)
- _____ US History 10 (req)
- _____ US Pres/US at War (11)
- _____ World History DE (11)
- _____ Government/Economics (req)

Math-4 credits

- _____ Algebra I
- _____ Geometry
- _____
- _____
- _____
- _____

Science-4 credits

- _____ Biology
- _____ A physical science
- _____
- _____

Foreign Language-2

- must be in same language for Advanced Diploma
- _____ Foreign Language I
 - _____ Foreign Language II

Bible-4 credits

- _____ Bible 9 _____ Bible 10
- _____ Bible 11 _____ Bible 12

Notes:

Advanced Diploma additional requirements:

1. Algebra I, Geometry, plus 2 advanced math classes
2. Biology, Honors Chemistry, plus 2 advanced sciences
3. Two levels of the same foreign language
4. No semester average below a 70 in any class

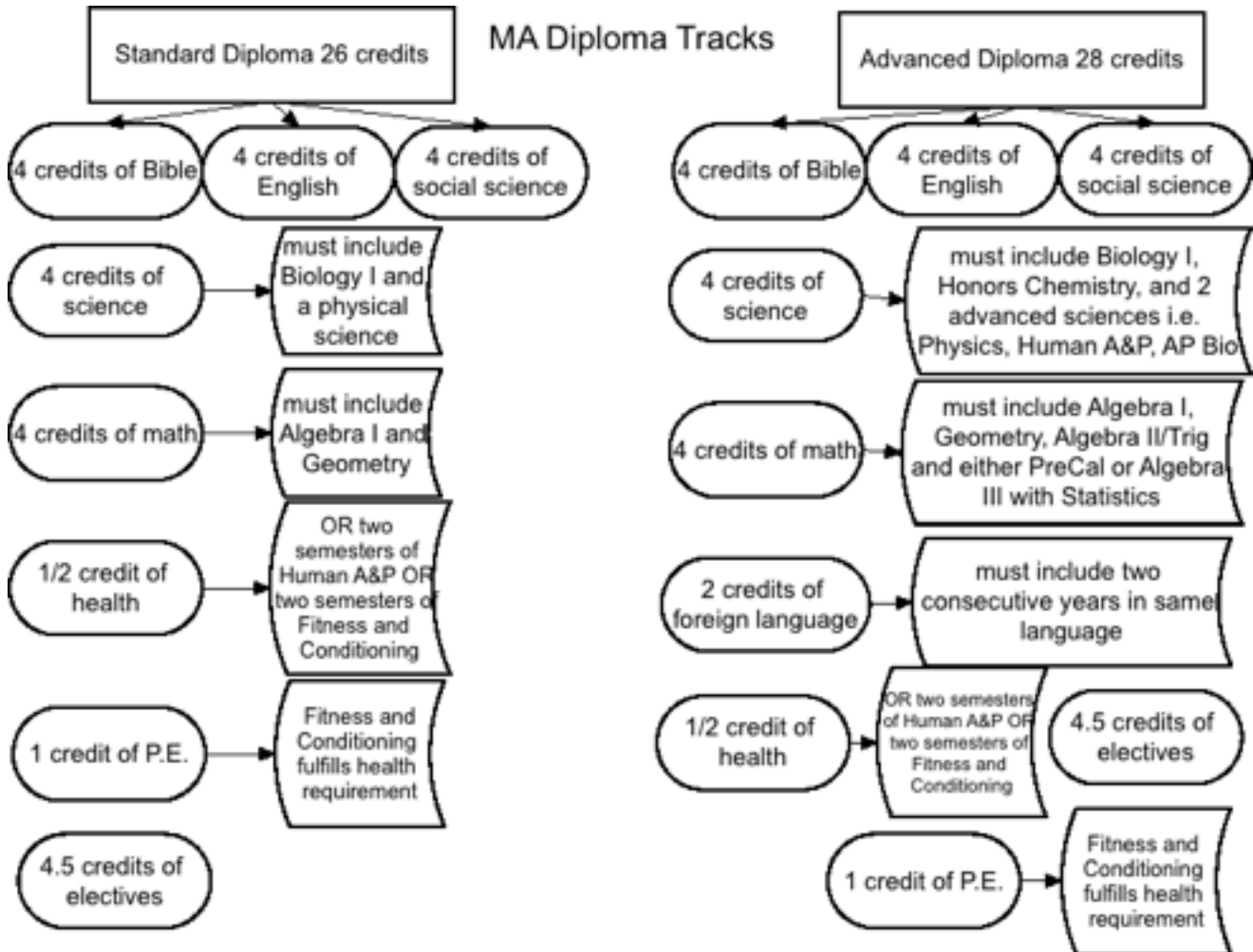
Required Electives-1.5 credits

- _____ Health (OR 2 semesters of Human Phys)
 - _____ Fitness and Conditioning PE (also fulfills health credit)
- NOTE: MARCHING BAND WILL NO LONGER FULFILL PE CREDIT**

Electives-4.5 credits

- _____
- _____
- _____
- _____

DIPLOMAS



Students have a choice of two types of diplomas, standard or advanced
NOTE: STUDENTS MUST MAINTAIN A 70 AVERAGE PER SEMESTER IN EACH ADVANCED COURSE TO RECEIVE AN ADVANCED DIPLOMA

BONUS CREDIT FOR HONORS, DUAL-ENROLLMENT, AND AP COURSES

• Honors Courses

Due to the rigorous curriculum, certain courses have been designated as “Honors.” Students participating in honors courses in grades 9-12 will receive one-half quality point to their cumulative grade-point average in recognition of the difficulty of the course.

• Dual Enrollment

Dual enrollment is an option available to juniors and seniors through arrangements made with the University of Alabama in Huntsville, Calhoun Community College, and Faulkner University. This program allows a student to earn high school credit while also earning college credit. Students participating in Dual-Enrollment courses receive an additional one-point bonus to their GPA in recognition of the college equivalency and difficulty of the course.

The class taken must be a class approved by Madison Academy. The student also must meet requirements set by the college.

• **Advanced Placement (AP)**

Advanced Placement (AP) students will be required to take the AP exam. Colleges participating in the AP program give college credit for a passing score. **Students should inquire with their choice of college for details regarding acceptable scores.** Students participating in Advanced Placement courses receive an additional 1 point bonus on their GPA in recognition of the college equivalency and difficulty of the course. AP test fees will be added to the school bill.

BRIDGE

For students in grades 2 through 12, Madison Academy offers a program to assist students who need extra support in organizational skills and study skills to be able to successfully navigate our college preparatory curriculum. Students must qualify to be part of this program and numbers are limited; contact the BRIDGE Director for information.

FAILURE POLICY

In grades 7-8, any failed major subject (English, math, social studies, or science) must be taken in summer school. If two (2) or more major subjects are failed, the student may be required to repeat the grade. Failures are based on yearly averages. A student repeating a grade may or may not be allowed to return to Madison Academy, based on the decision of the Admissions Committee.

In grades 9-12, each semester of each subject required for graduation that is failed must be taken in summer school. No more than two (2) subjects can be made up in any one summer by attending summer school or by correspondence courses. Any Bible course failure in middle or high school must be made up by assigned extra work during the summer. Students who fail any subject for the semester should see the Dean of Students regarding available/approved options for make-up credit.

SUMMER SCHOOL AND CREDIT RECOVERY

Courses repeated in summer school—through correspondence courses or at MA—must be approved by the administration. **Such courses will not earn hour credit; however, these grades will be reflected on the permanent record.**

- Summer school and credit recovery grades cannot be applied toward the Advanced Academic Diploma
- **Make-up work must be completed by September 1 for AHSAA eligibility purposes.**
- **Credit Recovery does not count toward NCAA eligibility (but is acceptable for AHSAA).**

PROBATION—ACADEMIC

Students are placed on academic probation when they receive two or more grades of “F” in a grading period or when their grade average in academic classes for a grading period is below 70. Academic Probation is designed to be an academic warning period. A student subject to Academic Probation two consecutive semesters may be asked to withdraw from MA for one semester. After attending one successful semester at another school, he/she

may reapply for admission. [See section **CO-CURRICULAR ATHLETIC ELIGIBILITY STANDARDS** below for details regarding co-curricular athletic participation while on Academic Probation.]

SPECIAL EDUCATION POLICY

While Madison Academy's smaller class sizes and enriched academic environment have helped students with mild special learning needs to succeed academically in a college preparatory curriculum, MA has no special education program and will not be responsible for inability of students with special needs (ADD, LD, ADHD, etc.) to successfully meet the academic or behavioral requirements.

TRANSCRIPT RELEASE

Transcripts of a student's record will be released by the college counselor to educational institutions, parents, or the student for any requested purpose without cost.

- The request must come via Parchment Exchange from the parents or guardian or student of legal age
- No transcript will be released unless the financial account to MA is current
- For transcripts to be sent to a college, students must register via Parchment Exchange. Juniors and Seniors will be given a code.

TRANSFER STUDENTS AND COURSE PLACEMENT

Transfer credit will be evaluated on an individual basis referring to official transcripts and course descriptions. Proficiency evaluations may be needed for class placement.

Recognition of credit earned:

- Madison Academy recognizes credit earned from other schools that are associated with the regional or state accrediting agencies.
- All students transferring in from another school will be required to take the ISEE (Independent School Entrance Exam) to determine proper placement
- No duplicate enrollment for credit is permitted.
- All prerequisite courses must be completed before a student advances to the next level.

VIDEO POLICY

Movie ratings of "G," "PG," and "PG-13" are generally acceptable in grades 7-12 without prior parent notification (teachers are asked to review PG-13 movies closely to be sure the content is not inappropriate). The movie/video must contain content with educational value and/or be relevant to the course. Teachers of grades 9-12 who wish to show educational movies/videos that are rated "R" **must** do the following:

- Present rationale of the educational value to the administration for approval.
- Send home a permission form to be signed by parents. Students not receiving parental permission to view the movie/video must be given an alternative assignment and not penalized grade-wise.

CO-CURRICULAR POLICIES

CO-CURRICULAR ATHLETIC ELIGIBILITY STANDARDS

Involvement in any co-curricular athletic activity is considered a privilege at Madison Academy, and participation is contingent upon maintaining academic and behavior standards. The purpose of creating a probationary policy is to signal to the student and his/her family that appropriate time and attention must be given to improving fundamental academic performance necessary for long-term student success. The policy has been created such that the student will be in control of the length of the probationary period, thus motivating the student to remedy the situation as soon as possible.

For interscholastic athletic competition, the following standard meets and exceeds the eligibility requirements stated by the Alabama High School Athletic Association.

To represent MA in co-curricular athletic activities, a student must maintain high academic standards, and therefore will be placed on Athletic Probation if any of the following standards are not met at the end of any 9-week grading period:

- A cumulative 70 average in core classes (defined as taking the sum of the 9-week numerical grades for math, English, science, history/social studies and dividing by 4 to obtain the cumulative average).
- A failing grade in no more than 1 class.

Alabama High School Athletic Association Eligibility Requirements

- Students entering the 10th, 11th and 12th grades must have earned during the last two semesters of school (and summer school, if applicable) at least six new Carnegie units with a minimum composite numerical average of 70 in those six units. Four core curriculum courses (English, mathematics, science and social studies) must be included in those units passed and averaged.
- Students entering the 8th and 9th grades must have passed during the last two semesters of school (and summer school, if applicable) at least five new subjects with a minimum composite numerical average of 70 in those five subjects.
- Students entering the 7th grade for the first time are eligible.
- A transcript from that school must establish the eligibility of a student who has attended another school during the preceding year before the student is permitted to participate.
- Accredited correspondence courses may be accepted by a school system, but must be completed and the grade received before the school year starts. To be accepted, correspondence course must have prior approval from the principal.
- For eligibility purposes, extra work, make-up work, review, etc. may not be counted. Only one unit in physical education per year may be counted, and a maximum of two units or subjects may be earned in any organized summer school that is approved by the State Department of Education. If a unit or subject is repeated in summer school, the higher numerical grade for that unit or subject may be used to compute the composite grade average.

Students declared ineligible at the beginning of a school year may regain eligibility at the end of the first semester by meeting the academic requirements listed above during the last two semesters in attendance (and summer school, if applicable).

PROBATION—ATHLETIC

The student will not be allowed to compete or travel with the team until the academic performance has improved. *Improvement* is defined as completing the following by the mid-point of the following 9-week grading period, relative to the issue needing to be improved. Within 4 1/2 weeks, the student must do the following:

- Achieve a cumulative average of 70 or above in core subjects (defined as taking the sum of the 4½-week numerical grades for math, English, science, and history/social and dividing by 4 to obtain the cumulative average).
- Achieve a grade of 70 in all but one subject where an F was given in the previous 9 weeks.

Athletic Director will review grades of every in-season athlete in grades 9-12 at each 9-week grading period and notify the student, parents, teachers, and head coach of the student's probation status. For each student placed on probation, the Athletic Director will review the improvement status at the 4½-week mark and will reinstate full extra-curricular privileges at that time if the above improvement standard has been met. If improvement does not meet the standard at the 4½-week mark, the student will continue on athletic probation, and review of the specific situation will be continued every 4½ weeks, until the standard is met.

ATHLETIC ELIGIBILITY COMPLIANCE DOCUMENTS

To be eligible for participation in interscholastic athletics at Madison Academy, a student must have on file in the Athletic Department Compliance Office:

- Proof of medical/hospitalization insurance for the student (Madison Academy does not provide hospitalization insurance for athletes.)
- A physician's physical exam report that is no more than 1 year old
- STAR SPORTSMANSHIP Certification
- Copy of Birth Certificate

Course Catalogue

Madison Academy offers a challenging curriculum designed to prepare students for successful transition to the four-year university program. Bible, English, Math, Science, and Social Studies must be taken each year while in grades 7-12. A variety of elective offerings give students the opportunity to explore additional subjects of personal interest, especially in the area of fine arts.

BIBLE COURSES

GENDER-SPLIT

Level: Grades 7-12

Students will study Biblical truths and spiritual formation principles that are based on gender- and age-appropriate topics. These gender-split, age-specific Bible classes seek to meet our students' spiritual needs, to provide a solid foundation of Biblical knowledge, and to train our students in character, wisdom, morality, citizenship, and service to others.

Prerequisite: None

Credit: 1 Unit for grades 9-12

SPECIAL TOPICS

Level: Grades 9-12

This class fills the need for a more advanced, comprehensive study of the Bible and of a few special topics. A four-year curriculum rotation provides students with a breadth and depth of Biblical instruction, presented in chronological order, in both the Old and New Testament.

Year 1: A survey study of the Old Testament books in their chronological order of writing. Emphasis on the OT prophets' predictions concerning the Messiah and the Messianic kingdom to be established in the NT, and the role of the main OT characters in God's plan to fulfill the seed promise, Jesus Christ, made to Abraham, as well as a practical study of the faith and lessons to be learned from those OT characters.

Year 2: The first semester will begin with a study of Christian evidences (with emphasis on the resurrection of Jesus as the main proof of Christianity), how we received the Bible books, and a thorough discussion of the theory of evolution. The second quarter will be a survey study of the past 2,000 years of Christian history since its beginning in the NT. The second semester will be "Comparative Religions," a study of ancient pagan religions, the five main world religions (Buddhism, Hinduism, Islam, Christianity, and Judaism), and the cults (even the dangerous, suicidal cults). **(Second semester is NCAA approved.)**

Year 3: A survey study of the "400 silent years" between the testaments, the gospels, Acts, and the rest of the New Testament books in their chronological order of writing. A survey of Paul's epistles, a survey study of Hebrews, the general epistles, and Revelation. "The OT is the NT concealed, and the NT is the OT revealed." This study will emphasize the NT revelation of the "mystery" of salvation through the apostles and prophets.

Year 4: TBD

Prerequisite: None, but previous Bible teacher recommendations are required

Credit: 1 Unit per year

OUTREACH IMPROV TROUPE

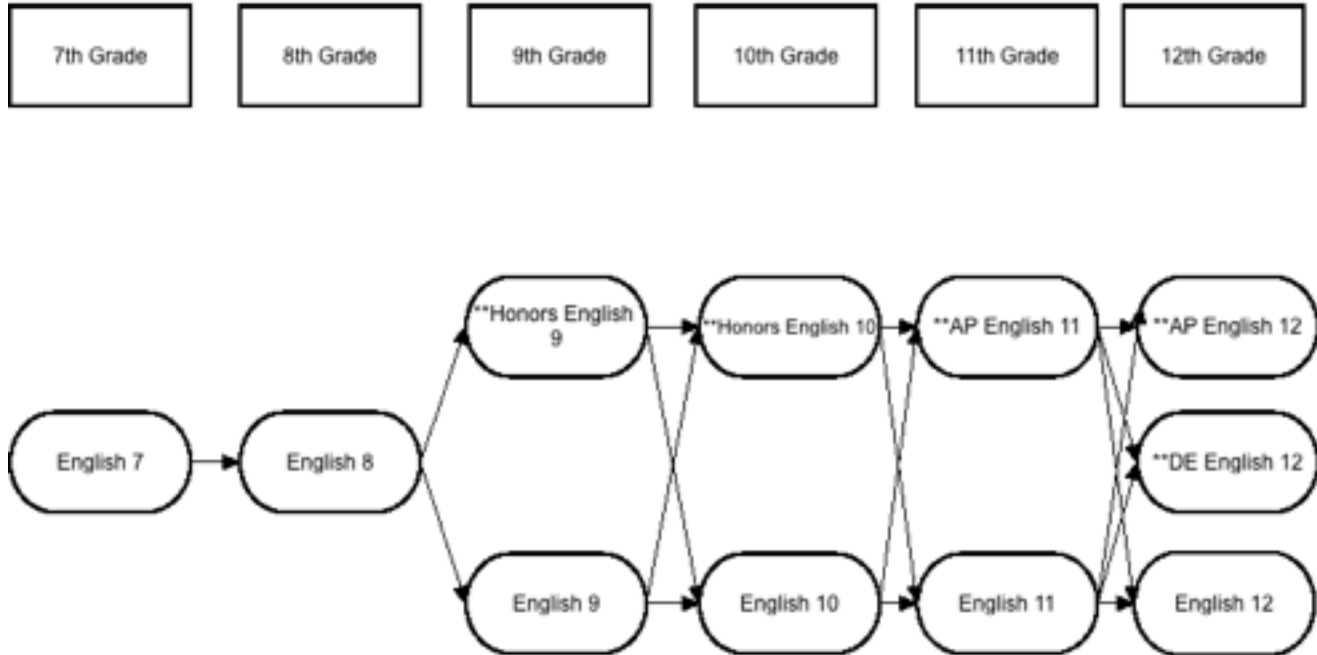
Level: Grades 9-12

An outreach improvisational group, this crew will perform inspirational material for chapel, for kindergarten and elementary students, children's hospitals, hospices, churches, mother's day out programs, and special needs facilities.

Prerequisite: Audition and instructor approval. **NOTE: A student does not have to be in Drama to be considered for this group.**

Credit: 1 Unit

English Curriculum 2016-2017



**indicates that teacher approval is required to enroll in the class and student must maintain 75 average to remain in the class

ENGLISH COURSES

ENGLISH 7

Level: Grade 7

This course encompasses year-long, formal grammar study, exploration of fiction and non-fiction literature, and instruction in writing in a variety of modes for a variety of purposes. Students will be introduced to MLA formatting and documentation. Reading comprehension and critical thinking skills are developed through analysis of short stories, poems, and essays. Reading levels will be monitored by STAR testing. Students will also complete weekly vocabulary and spelling lessons throughout the year. *The Giver* and *A Christmas Carol* are typical literature selections.

See website for Summer Reading Requirement

Prerequisite: English 6

ENGLISH 8

Level: Grade 8

This course has the goal of making student writing clear, concise, correct, and effective. Emphasis is placed on transitioning students from middle school to the more demanding high school English curriculum. Grammar covered in 7th grade is reviewed, then concentration is on sentence improvement and the development of writing at the paragraph level. A 30-week word study matures student vocabulary. Two research papers with an emphasis on history teach students, through comparison and contrast, to think outside their own worlds into the past, present, and future. Students work on improving critical thinking by studying short works of fiction and non-fiction, as well as current events. *Night* and *The Graveyard Book* are typical literature selections.

See website for Summer Reading Requirement

Prerequisites: English 7

ENGLISH 9

Level: Grade 9

NCAA Approved Course

Advanced Diploma Approved Course

English 9 is a developmental composition and literature course that focuses on critical thinking and introduction to the analysis of literature. Improving vocabulary skills, grammar, mechanics, and usage are stressed in all areas of writing. Critical thinking skills are cultivated in the analysis of the novel *To Kill a Mockingbird*; the drama *Romeo and Juliet*; short stories; and poetry. Writing skills are emphasized through strategies that include writing expository essays, weekly journal responses, personal narratives, and literary analysis.

See website for Summer Reading Requirement

Prerequisite: English 8

Credit: 1 Unit (required; substitute includes Honors English 9)

HONORS ENGLISH 9

Level: Grade 9

NCAA Approved Course

Advanced Diploma Approved Course

Honors English 9 is a fast-paced literature and composition course for highly motivated students in which they explore a multicultural survey of literature and language. Reading selections will be drawn from fiction, nonfiction, plays, and poetry. Students will discuss historical and social themes and their relevance to today's world, analyze literary devices used by authors, and think critically as they interpret and analyze works of literature. Students will write frequently for varying purposes, including literary analysis and synthesis of information. In addition to the reading and writing, students will review and practice grammatical concepts to add strength and clarity to writing. A year-long vocabulary study will help students to develop a broader command of language. Features such as timed writings, cumulative vocabulary, poetry responses, class discussions, presentations, in-depth writing assignments, and at-home reading assignments will prepare students who plan to take an AP English course as a junior or senior.

See website for Summer Reading Requirement

Credit: 1 Unit (fulfills English 9 requirement)

ENGLISH 10

Level: Grade 10

NCAA Approved Course

Advanced Diploma Approved Course

English 10 is a basic composition and literature course that focuses on critical thinking, research skills, and an introduction to the analysis of literature. Emphasis is placed upon the development of critical thinking and writing skills through reading and writing expository essays as well as the fundamentals of research and documentation. Required writing includes frequent, short expository essays and one research paper. Emphasis is also placed on building vocabulary skills by improving dictionary and thesaurus skills and teaching the concept of “owning a word.” Grammar, mechanics, and usage stressed in all areas of writing with a focus on editing skills. Critical thinking skills are cultivated in the analysis of novels, short stories, drama, essays, and poetry in American and world literature.

See website for Summer Reading Requirement

Prerequisite: English 9 or Honors English 9

Credit: 1 Unit (required; substitute included Honors English 10)

HONORS ENGLISH 10

Level: Grade 10

NCAA Approved Course

Advanced Diploma Approved Course

This course focuses on advanced composition, critical thinking, research skills, and an analysis of writings in American and world literature. Required writing includes frequent, short essays (narrative, persuasive, and expository) and one research paper. Grammar, punctuation, and mechanics are stressed in all areas of writing with a focus on editing skills. Critical thinking skills are cultivated in the analysis of novels, short stories, drama, and poetry. As part of the Honors curriculum, both the historical and philosophical movements of American and global culture are studied in connection with major literary works. The goal of the Honors class is to study two major works of literature per quarter.

See website for Summer Reading Requirement

Prerequisite: English 9 or Honors English 9

Credit: 1 Unit (fulfills English 10 requirement)

ENGLISH 11

Level: Grade 11

NCAA Approved Course

Advanced Diploma Approved Course

This course teaches the major modes of English discourse and a survey of American literature. Students also review the standards in grammar, usage, and rhetorical devices that are necessary for effective writing and for success on standardized tests such as the ACT. A vocabulary study is offered that expands students' working vocabulary, improves their reading comprehension and standardized test scores, and enhances their ability to write successful papers.

See website for Summer Reading Requirement

Prerequisite: English 10 or Honors English 10

Credit: 1 Unit (required; substitute includes AP English 11)

AP ENGLISH 11 AP LANGUAGE & COMPOSITION

Level: Grade 11

NCAA Approved Course

Advanced Diploma Approved Course

This course is designed to be the equivalent to an introductory composition course in college and to meet the curricular requirements listed by the College Board. To become skilled readers, students will learn to read closely a variety of texts that range across the disciplines of the sciences as well as the arts. The purpose of the readings will be to examine the writer's subject, audience, and purpose; to analyze how the writer's style and rhetorical strategies achieve that purpose; and to assimilate a variety of texts on the same subjects so that students learn to read discriminately and to make informed judgments about the rhetorical effectiveness of each text. To become skilled writers, students will write in both informal and formal contexts in all of the major modes of discourse. In addition, students will complete a year-long research project on a major essayist or nonfiction writer that will progress in complexity and culminate in the synthesis and presentation of a variety of sources, both printed and visual. **Requirement:** Must take AP Language exam. **Approximate cost is \$91.**

See website for Summer Reading Requirement

Prerequisites: English 10 or Honors English 10

Credit: 1 Unit (fulfills English 11 requirement; provides opportunity to earn college credit depending upon college acceptance of AP scores)

ENGLISH 12

Level: Grade 12

NCAA Approved Course

Advanced Diploma Approved Course

This course is designed to prepare students for the rigor and scope of college-level reading and writing assignments. A survey of British literature, English 12 focuses on poems, short stories, essays, plays, and novels of major British authors. In conjunction with these readings, students will write for various purposes; students will move from basic levels of interpretation and writing to analysis and synthesis of information. Through frequent and challenging writing, students will gain a greater command of the English language as they learn to respond to and analyze literature, continuing to build style and voice. During this course, students will engage in research at varying levels and must satisfactorily complete a research paper for graduation. Other features of this course are a year-long vocabulary study and a review of grammatical concepts.

See website for Summer Reading Requirement

Prerequisite: English 11

Credit: 1 Unit (required; substitutes include English 12 DE or AP English 12)

ENGLISH 12 DUAL ENROLLMENT COMPOSITION 101/102

Level: Grade 12

NCAA Approved Course**Advanced Diploma Approved Course**

Dual Enrollment Composition 101/102 is a college-level composition course that is designed to develop and improve writing and thinking skills. The first semester provides review of grammatical concepts, workshops to foster collaboration, and practice writing in various modes (narration, description, exposition, persuasion). Students will sharpen their critical thinking and reading skills as by reading, responding to, and writing both short and extended arguments. Students will discover the impact of purpose, occasion, and audience in writing; demonstrate the ability to structure and expand ideas into coherent essays; and utilize proper researching and MLA citing techniques. This course will provide students with useful approaches to the writing process, enabling them to write clear, purposeful, and effective compositions. **Note: Student must earn a 70 average for each semester to receive college credit for the class.**

See website for Summer Reading Requirement

Additional Requirement: The approximate Calhoun Community College tuition is \$387 per semester.

Prerequisites: English 11 or AP English 11

To be considered for acceptance in Dual Enrollment Composition 101/102, a student should meet the following criteria:

1. An A or B average in the previous year's English class
2. An 18 or higher on the English portion of the ACT
3. Recommendation from the junior English teacher

Credit: 1 Unit (satisfies English 12 requirement for high school; provides college credit depending upon college acceptance of transfer credit).

AP ENGLISH 12**AP ENGLISH LITERATURE & COMPOSITION**

Level: Grade 12

NCAA Approved Course**Advanced Diploma Approved Course**

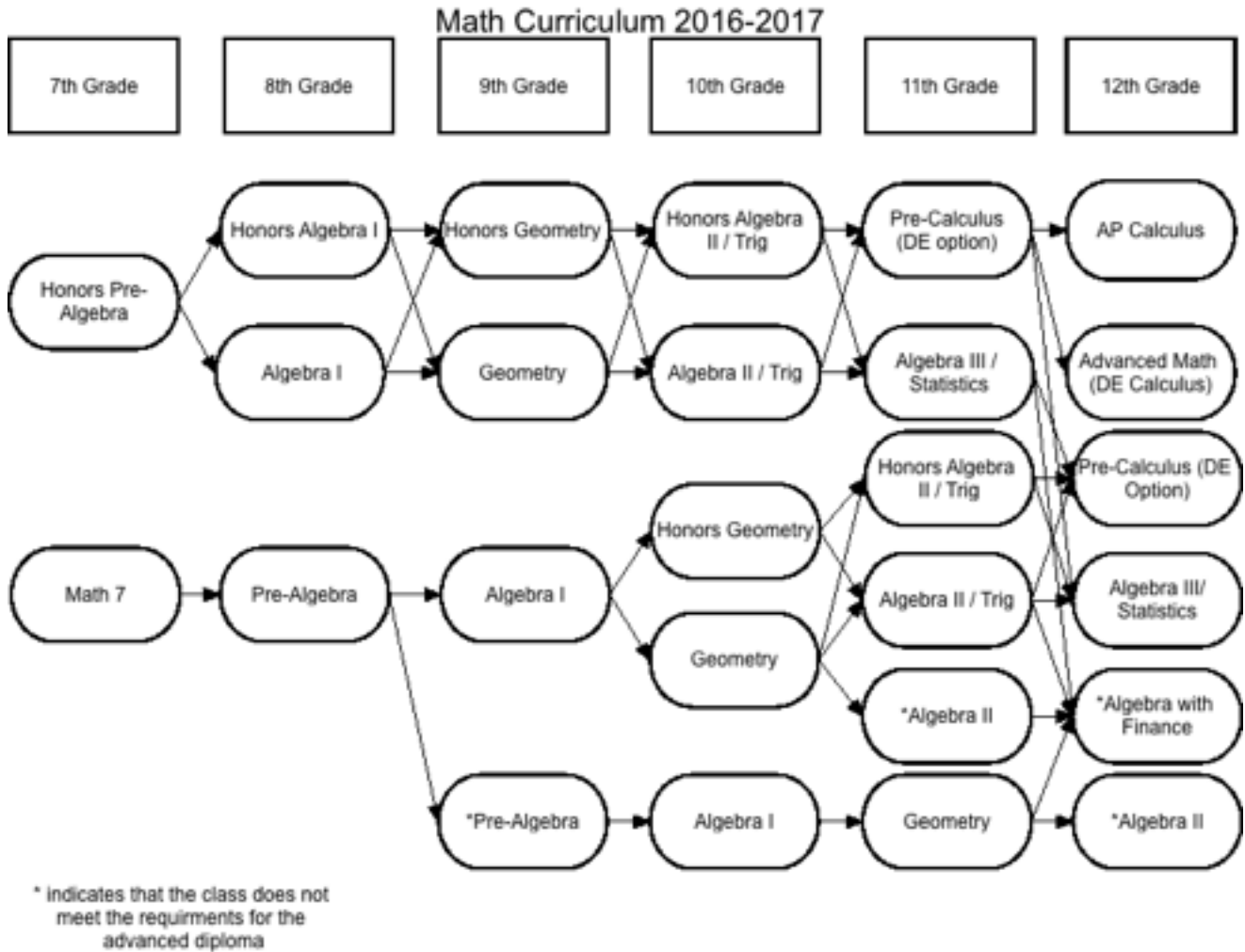
AP Literature is designed to be a rigorous course, equivalent to an introductory literature course in college. Through the close reading of literary texts, specifically novels and poetry, students will ultimately understand how writers purposefully use language to engage and answer the big questions in life. Through careful explication of literature, students will see how each piece "measures up" and fits in--in its time period and in all time. Literary analysis will involve looking through the lenses of style and structure, rhetorical strategies, diction, figurative language, imagery, detail, development, tone, and syntax. Through frequent and challenging writing, students will gain a greater command of the English language as they learn to respond to, interpret, and analyze literature. Also important to this course are vocabulary study and literary terms. AP Literature is designed for highly motivated students who wish to enhance themselves academically by taking an accelerated curriculum.

Requirement: Must take AP Literature exam. Approximate cost is \$91.

See website for Summer Reading Requirement

Prerequisite: English 11 OR AP English 11

Credit: 1 Unit (fulfills English 12 requirement for high school; provides opportunity to earn college credit depending upon college acceptance of AP scores)



MATH COURSES

MATH 7

Level: Grade 7

Math 7 contains a review of the basic operations with whole numbers, fractions, and decimals. Further topics of study include: percents, negative integers, rectangular coordinates, prime and composite numbers, factoring, greatest common factor, least common multiple, proportions, simple interest and interest on savings, taxes, solving equations with one variable, perimeter and area of geometric shapes, and median, mode, and range of a set of data.

Prerequisite: Successful completion of Grade 6 Math.

Recommendation: A 7th grade student who maintains an A average and who can pass the Pre-Algebra final at the end of the year may be a candidate for exempting Pre-Algebra and going to Honors Algebra I.

HONORS MATH 7

Level: Grade 7

Honors Math 7 is designed to give students a firm foundation in mathematical concepts needed to prepare them for Algebra I. This study includes basic operations of integers and rational numbers. It also includes simplifying, evaluating, solving and graphing equations and inequalities. Other topics include rates, ratios, proportions, percents and data analysis . It also introduces functions, exponents, square roots and scientific notation. The geometry section includes identifying geometric shapes and using the different geometric formulas. At the Honors Level, the distance formula, special right triangles, dilations, indirect measurement, circle graphs, graphing systems of equations, linear and nonlinear functions are all introduced.

Prerequisite: Successful completion of Grade 6 math *plus* meet *all* of the following criteria:

1. Minimum average of 90 in Math 6.
2. Minimum raw score of 40 on the aptitude test.
3. Minimum of 85th percentile ranking on the standardized achievement test.
4. Completion of Math 7 final exam with a score of at least 70 to show mastery.
5. Teacher recommendation.

Recommendation: Each student must maintain an overall average of 80 to proceed to Honors Algebra I in the 8th grade. Otherwise, the student will proceed to Algebra I. A student making less than 70 may be required to go to Pre-Algebra in the 8th grade.

PRE-ALGEBRA

Level: Grades 8-9

Pre-algebra is designed to give students a firm foundation in mathematical concepts needed to prepare them for Algebra I. This study includes basic operations of integers and rational numbers. It also includes simplifying, evaluating, solving and graphing equations and inequalities. Other topics include rates, ratios, proportions, percents and data analysis . It also introduces functions, exponents, square roots and scientific notation. The geometry section includes identifying geometric shapes and using the different geometric formulas.

Prerequisites: Math 7 and/or Math 8

Credit: 1 Unit (if taken to fulfill 9th grade math requirement).

HONORS ALGEBRA I

Level: Grade 8-9

NCAA Approved Course (grade 9)

Advanced Diploma Approved Course (grade 9)

Honors Algebra I is an advanced algebra course that reviews several pre-algebra skills and stresses both the structure of algebra and the computational problem-solving skills. This course is designed to prepare students for success in Algebra II/Trig and higher level algebraic concepts. Honors Algebra I includes the study of relationships between quantities, linear and exponential relationships, quadratic relationships, advanced functions and

equations, and trigonometric ratios. Students will solve equations of lines by graphing and algebraic means, graph linear inequalities, and graph nonlinear functions. Honors Algebra I is a rigorous course that will challenge students' thinking and organization of information.

Recommendation: Each student must maintain an overall average of 80 to proceed to Honors Geometry. Otherwise, the student will proceed to regular Geometry. An 8th grade student making less than 70 may be required to repeat Algebra I in the 9th grade.

Prerequisite: Completion of Honors Math 7 with an overall average of 80 and teacher recommendation.

ALGEBRA I

Level: Grades 9-10

NCAA Approved Course

Advanced Diploma Approved Course

Algebra I is designed to give students the requisite skills that provide a foundation for all future mathematics courses. Students will study algebraic foundations, polynomials, probability, exponents, data analysis, rational expressions and radical expressions. The students will learn to write, solve, and graph linear equations and inequalities, quadratic equations, systems of equations and inequalities, and absolute-value equations and inequalities. Throughout the course, mathematical concepts will be taught with an emphasis on real-world application.

Prerequisites: Pre-Algebra

Credit: 1 Unit (required)

HONORS GEOMETRY

Level: Grades 9-10

NCAA Approved Course

Advanced Diploma Approved Course

This proof-based geometry course is designed to give students an in-depth understanding of geometry concepts that can be used in the study of other branches of mathematics, in their career choices, or in everyday life. Lessons in the textbook will be supplemented by videos, assessments and projects to provide students an opportunity to develop mathematical reasoning, critical thinking skills, and problem solving techniques. Students will be required to complete a Proofs Notebook and a Constructions Notebook. Assignments will be added to notebooks throughout each quarter and submitted for a test grade.

Recommendation: Each student must maintain an overall average of 70 to proceed to Algebra II / Trig. Otherwise, the student will proceed to Algebra II.

Prerequisite: Completion of Honors Algebra I with a minimum grade of 80 or completion of Algebra I with a minimum grade of 90, and teacher recommendation.

Credit: 1 unit

GEOMETRY

Level: Grades 10-11

NCAA Approved Course

Advanced Diploma Approved Course

Geometry contains a study of the following topics: reasoning and logic, deductive proofs, constructions, angle relationships, parallel lines, perpendicular lines,

Pythagorean Theorem, right triangles, right triangle ratios; congruence, similarity, circles, quadrilaterals, polygons, polyhedrons, area and volume.

Recommendation: Each student must maintain an overall average of 70 to proceed to Algebra II / Trig. Otherwise, the student will proceed to Algebra II.

Prerequisites: Algebra I

Credit: 1 Unit (required)

ALGEBRA WITH FINANCE

Level: Grades 10-12

NCAA Approved Course

Algebra with Finance is a one-credit college and career preparatory course that integrates algebra, probability and statistics, and geometry to solve financial problems that occur in everyday life. Real-world problems in investing, credit, banking, auto insurance, mortgages, employment, income taxes, budgeting and planning for retirement are solved by applying the relevant mathematics that are taught at a higher level.

Prerequisites: Algebra I and Geometry

Credit: 1 Unit

ALGEBRA II

Level: Grade 11-12

NCAA Approved Course

Algebra II is designed to extend algebraic knowledge and skills, but at a slower, less rigorous pace than Algebra II/Trigonometry. Topics include: evaluating and simplifying algebraic expressions, properties and subsets of real numbers, linear equations, complex numbers, solving and graphing systems of equations and inequalities, polynomials, quadratic equations, exponential functions, rational expressions, logarithmic functions, basic operations on matrices, functions operations, and graphing functions. **Note:** A student may NOT receive credit in both Algebra II and Algebra II/Trigonometry.

Prerequisite: Successful completion of Algebra I

Credit: 1 unit

ALGEBRA II/TRIGONOMETRY

Level: Grades 10-12

NCAA Approved Course

Advanced Diploma Approved Course

Algebra II/Trigonometry contains a more in-depth study of concepts presented in Algebra I while introducing several higher level concepts. Topics covered include: linear equations, polynomials, systems of equations and inequalities, complex numbers, exponential functions, logarithmic functions, quadratic equations, matrices, radical equations, nonlinear equations and inequalities, and function graphing. Trigonometric topics include: right triangle ratios, solving general triangles using the Law of Sines and Law of Cosines, area of oblique triangles, solving trigonometric equations, graphing, and verifying identities. **Note:** A student who wishes to take Algebra II/Trigonometry and Geometry concurrently must have an "A" semester average in all previous math course.

Prerequisite: Completion of Algebra I and Geometry with a minimum overall average of 70 and teacher recommendation.

Credit: 1 unit

HONORS ALGEBRA II/TRIGONOMETRY

Level: Grades 10-12

NCAA Approved Course

Advanced Diploma Approved Course

Honors Algebra II/Trigonometry is an advanced Algebra II course which contains a more in-depth study of concepts presented in Algebra I while introducing several higher level concepts. Honors students will be required to derive formulas and develop more complex critical thinking skills and problem solving. Algebra topics covered include the following: linear equations, polynomials, systems of equations and inequalities, complex numbers, exponential functions, logarithmic functions, quadratic equations, using matrices to solve linear systems, radical equations, nonlinear equations and inequalities, and function graphing. Direct variation, inverse functions, and composition of functions will also be studied. This course also includes conic sections, sequences/series, and probability/statistics. Trigonometric topics include: right triangle ratios, solving general triangles using the Law of Sines and Law of Cosines, area of oblique triangles, solving trigonometric equations, graphing, and verifying identities. **Note:** A student who wishes to take Algebra II/Trigonometry and Geometry concurrently must have an "A" semester average in all previous math courses.

Prerequisite: Completion of Algebra I and Geometry with a minimum overall average of 90 and teacher recommendation OR completion of Honors Geometry with a minimum overall average of 80.

Credit: 1 unit

ALGEBRA III/STATISTICS

Level: Grades 11-12

NCAA Approved Course

Advanced Diploma Approved Course

Algebra III with Statistics is an upper level math course designed for juniors and seniors following Algebra II/Trig or Pre-Calculus. This course extends the concepts introduced in Algebra II/Trig and provides students with the major concepts of probability and statistics. The course is designed for college bound students who want exposure to advanced mathematical topics. New topics in Algebra include vectors, conics, polar graphing, and linear programming. Probability and statistics topics include measures of central tendency and dispersion, probability distributions, confidence intervals, hypothesis tests, and data comparison.

Prerequisite: Algebra I, Geometry and Algebra II/Trig with a minimum grade of 75 and teacher recommendation.

Credit: 1 unit

HONORS PRE-CALCULUS: DE MTH 112/113

Level: Grades 11-12

NCAA Approved Course

Advanced Diploma Approved Course

Honors Pre-Calculus includes advanced algebra, trigonometry, and pre-calculus concepts. The advanced algebra topics include matrices and determinants, polynomial

functions and graphs, inverse functions, and probability. The trigonometric topics include trigonometric functions, identities, and formulas; circular functions and inverses; polar coordinates; and graphing trigonometric functions. Pre-calculus topics include vector operations, conics, logarithmic functions, exponential functions, and sequences and series.

Requirement: graphing calculator (See teacher for Model #).

Prerequisite: Algebra I, Geometry and Algebra II/Trig with a minimum grade of 75 and teacher recommendation.

Credit: 1 unit

HONORS ADVANCED MATH/CALCULUS: DE MTH 125 (second semester)

Level: Grade 12

NCAA Approved Course

Advanced Diploma Approved Course

This course will cover precalculus concepts as a review as well as calculus concepts required for a Calculus I college course credit. Topics covered include the limit of a function; the derivative of algebraic, trigonometric, exponential and logarithmic functions; and the definite integral and its basic applications to area problems. Applications of the derivative are covered in detail, including approximations of error using differentials, maximum and minimum problems and curve sketching using calculus.

Requirement: graphing calculator (See teacher for Model #).

Prerequisite: Pre-Calculus with a minimum grade of 75 and teacher recommendation.

Credit: 1 Unit

AP CALCULUS

Level: Grade 12

NCAA Approved Course

Advanced Diploma Approved Course

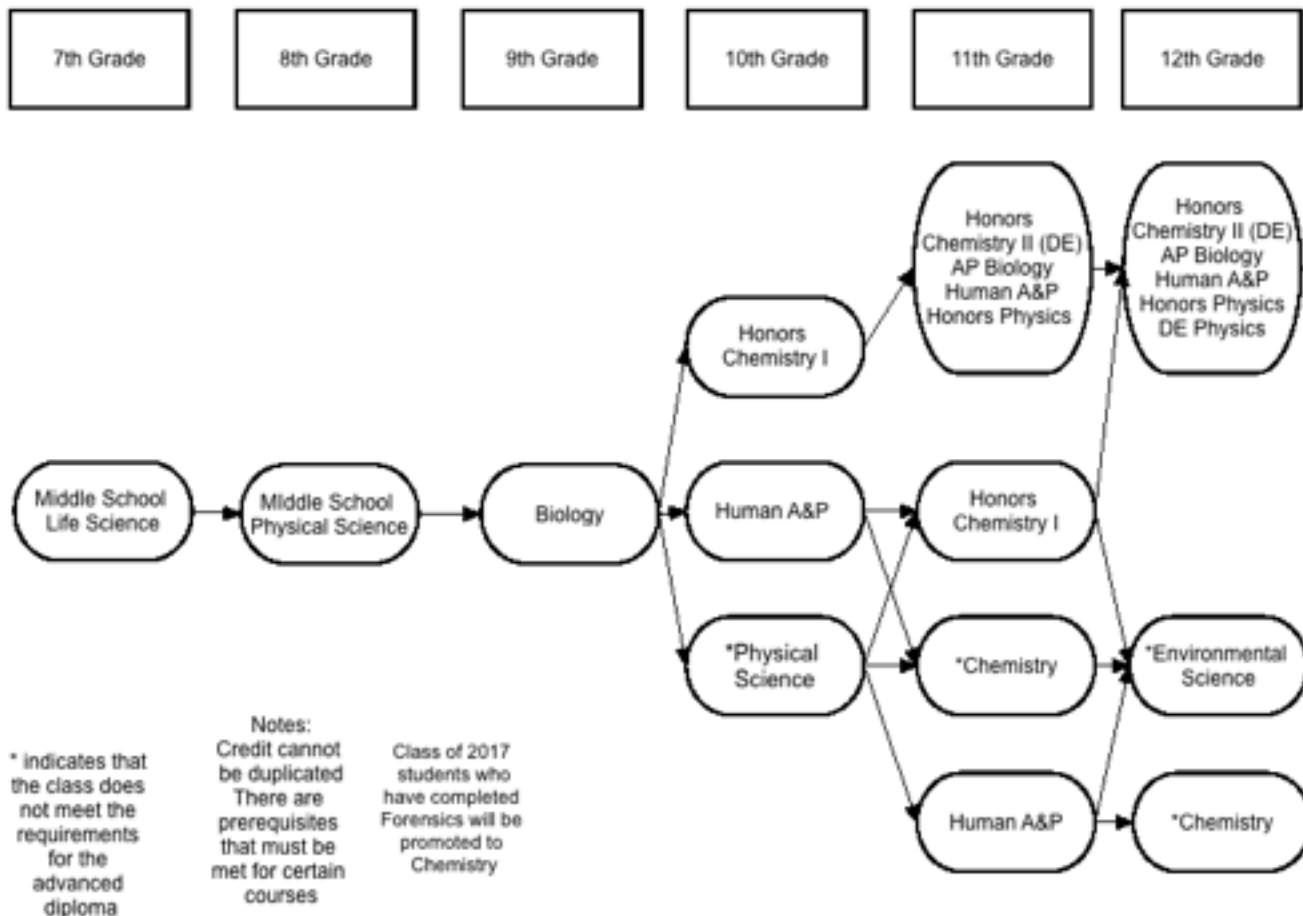
This course is intended for students to earn Advanced Placement credit by taking the AP Calculus AB exam. The topics covered include functions and transformations, limits and continuity, derivatives and applications, integrals and applications, differential equations and mathematical modeling. Emphasis will be placed on the problems associated with the AP exam.

Requirements: graphing calculator (See teacher for Model #) and AP Exam at end of course (approximate cost \$91)

Prerequisite: Pre-Calculus with a minimum grade of 80 and teacher recommendation.

Credit: 1 unit (provides opportunity to earn college credit depending upon college acceptance of AP scores)

Science Curriculum 2016-2017



SCIENCE COURSES

SCIENCE 7

Level: Grade 7

The Science 7 course provides unit studies in the areas of biology and chemistry. Topics covered include cells and heredity, the Animal Kingdom, and human biology and health. Also included is a week long field study to Dauphin Island Sea Lab.

Requirements: No fee, but students are asked to furnish certain items for some lab activities.

Prerequisite: Science 6

SCIENCE 8

Level: Grade 8

The Science 8 course provides unit studies in the areas of chemistry and physics. Topics covered include chemical interactions, motion, forces, energy, electricity, and magnetism.

Requirements: No fee, but students are asked to furnish certain items for some lab activities.

Prerequisite: Science 7

BIOLOGY I

Level: Grade 9

NCAA Approved Course

Advanced Diploma Approved Course

Biology I introduces students to key biological concepts. Topics covered include basic chemistry, biochemistry, cell structure, homeostasis, photosynthesis, cell reproduction, cellular respiration, fundamentals of genetics, bacteria, viruses, protozoa, algae, fungi, plants, and the interdependence of living organisms. Laboratory work provides practical applications of the concepts taught.

Prerequisite: Grade 8 Science

Credit: 1 Unit (required)

PHYSICAL SCIENCE

Level: Grade 10

NCAA Approved Course

Physical Science introduces students to important concepts in chemistry and physics. Chemistry, which is covered during the first semester, provides an overview of matter and the various changes it undergoes. Physics topics, covered during the second semester, include motion, energy, waves, and electricity. Activities that introduce laboratory techniques are an integral part of this course.

Note: Credit previously earned in Chemistry or Physics prohibits credit in this course.

Prerequisite: Biology I

Credit: 1 Unit

HUMAN ANATOMY AND PHYSIOLOGY

Level: Grades 10-12

NCAA Approved Course

Advanced Diploma Approved Course

Human Anatomy and Physiology is an advanced life science study of the structure and function of the major body systems. Emphasis is placed on tissue classification, organ structure and function, biological processes required by properly functioning systems, and major disorders that can occur in each system. Lab work includes the dissection of a mammal and selected mammalian organs.

Prerequisite: Biology I (an average of 70 for each semester in Biology I is recommended)

Credit: 1 unit (also fulfills Health requirement)

CHEMISTRY I

Level: Grades 11-12

NCAA Approved Course

This course is a lab-based chemistry for the college-bound student who does not intend to major in math, science, or engineering. This course includes many of the same areas covered in Honors Chemistry I, but the math required is less intensive.

Prerequisite: Algebra I

Credit: 1 unit

HONORS CHEMISTRY I

Level: Grades 10-11

NCAA Approved Course

Advanced Diploma Approved Course

The study of Chemistry provides a key understanding of the composition, properties, and changes of matter. Topics that are covered in this course include atomic structure, periodic law, chemical bonding, naming compounds, writing chemical formulas, reaction stoichiometry, gas laws, solutions, acids and bases, and reaction kinetics. Emphasis is placed on learning techniques for making laboratory investigations, critical thinking, and problem-solving. **Requirement:** Calculator

Prerequisite: Algebra II/Trig (previously or concurrently being taken) and teacher approval.

Credit: 1 unit

HONORS CHEMISTRY II (INORGANIC): DE CHM 111/112

Level: Grade 11-12

NCAA Approved Course

Advanced Diploma Approved Course

This course is designed for the science or engineering major who is expected to have a strong background in mathematics. Topics in this course include measurements, nomenclature, stoichiometry, atomic structure, equations and reactions, basic concepts of thermochemistry, chemical and physical properties, bonding, molecular structure, gas laws, kinetic-molecular theory, condensed matter, solutions, colloids, chemical kinetics, chemical equilibria, acids and bases, ionic equilibria of weak electrolytes, solubility product principle, chemical thermodynamics, electrochemistry, oxidation-reduction, nuclear chemistry, atmospheric chemistry, and selected topics in descriptive chemistry.

Requirement: Calculator and laboratory time

Prerequisite: Honors Chemistry I and teacher approval

Credit: 1 unit

HONORS PHYSICS

Level: Grades 11-12

NCAA Approved Course

Advanced Diploma Approved Course

Physics is an advanced physical science study offered for students planning to pursue a four-year college degree leading to a career in medicine, engineering, or other science-related fields. Topics that are covered include thermodynamics, wave motion, sound, light, electrostatics, magnetism, mechanics, and nuclear physics. Emphasis is placed upon laboratory investigations, critical thinking, calculations, and problem-solving.

Requirement: Calculator

Prerequisite: Pre-Calculus (previously or concurrently being taken) and teacher approval

Credit: 1 Unit

ENVIRONMENTAL SCIENCE

Level: Grades 11-12

NCAA Approved Course

Environmental Science is a lab-based science course based on the Earth and human activity. Topics covered in this course include natural resources, natural hazards, human impact on Earth systems, and global climate change. This course incorporates the scientific and engineering practices reflecting the scientific processes used in science, technology, engineering, and mathematics (STEM) fields. The Environmental Science content standards provide a depth of conceptual understanding to adequately prepare students for college, career, and citizenship with an appropriate level of scientific literacy.

Prerequisite: Biology I

Credit: 1 Unit

AP BIOLOGY

Level: Grades 11-12

NCAA Approved Course

Advanced Diploma Approved Course

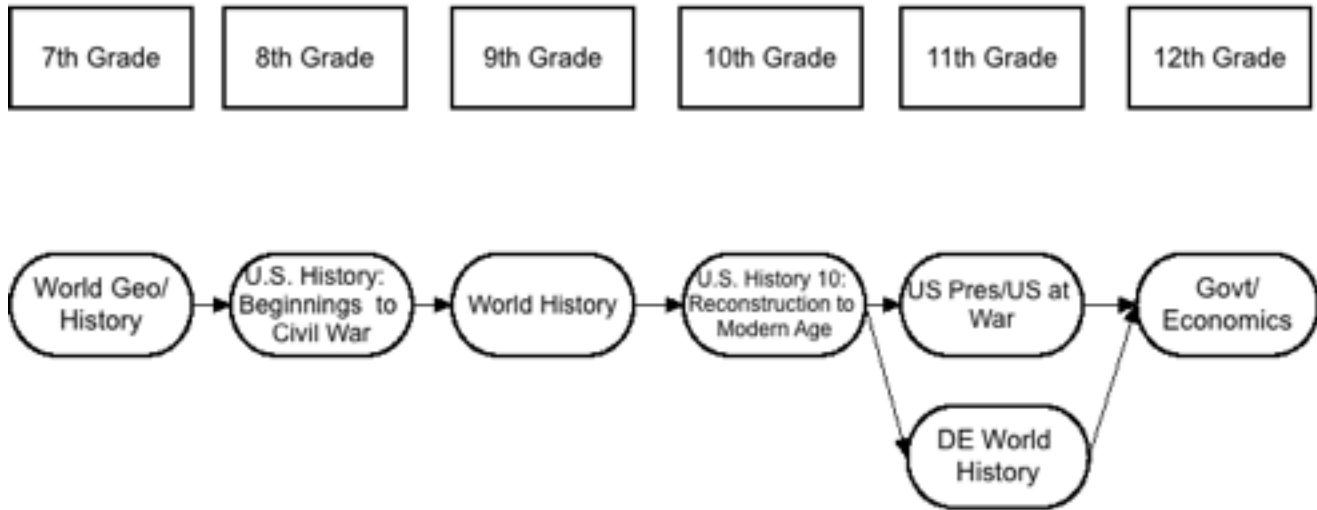
The AP Biology course is designed to enable you to develop advanced inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines, and connecting concepts in and across domains. The key concepts and related content that define the revised AP Biology course and exam are organized around a few underlying principles called the big ideas, which encompass the core scientific principles, theories and processes governing living organisms and biological systems.

Requirement: Must take AP Biology exam. Approximate cost is \$91.

Prerequisite: Biology and Honors Chemistry I (an average of 85 for each semester and teacher approval is required)

Credit: 1 Unit (provides opportunity to earn college credit depending upon college acceptance of AP scores)

Social Science Curriculum 2016-2017



++indicates this class is no longer offered at this grade level

SOCIAL SCIENCE COURSES

WORLD GEOGRAPHY/ANCIENT WORLD HISTORY 7

Level: Grade 7

This course emphasizes two major social science concepts: world geography and ancient world history. World geography enhances the chronological study of history in Grades 8-11 by providing a geographic foundation to understanding landscapes on which human history has evolved. Major themes are: (1) The World in Spatial Terms, (2) Places and Regions, (3) Physical Systems, (4) Human Systems, (5) Environment and Society, and (6) Uses of Geography. An emphasis on world citizenship fosters the student’s desire to assume responsibility for his/her actions and to assume a productive role in society. Major themes are: (1) democracy, (2) law, (3) personal economics, and (4) civic responsibility. Ancient world history covers major events from the early populating of the world, early civilizations, the Age of Exploration, and influential governments and rulers.

Prerequisite: Social Science 6

EARLY AMERICAN HISTORY 8

Level: Grade 8

This course studies America's history from the time of Columbus to the Civil War. It explores major events, issues, and personalities that shaped our nation. Major topics include the Age of Exploration, the colonial era, and the Civil War.

Prerequisite: Social Science 7

WORLD HISTORY 9

Level: Grade 9

NCAA Approved Course

Advanced Diploma Approved Course

This course is a study of world civilizations from early modern to present day. Students will use critical thinking skills to study eras, themes, and societies from a global perspective. The course may be taught chronologically or thematically as is most relevant to the course material and objectives.

Prerequisite: Social Science 8.

Credit: 1 Unit

US HISTORY 10

Level: Grade 10

NCAA Approved Course

Advanced Diploma Approved Course

This course is a study of the United States from the time of Reconstruction to the Modern Age. It explores major events, issues and personalities that shaped our nation. Major topics include the Reconstruction, the Progressive Movement, foreign and domestic policies, impact of world conflict, and the influence of the American culture.

Prerequisite: Social Science 9.

Credit: 1 Unit

U.S. PRESIDENTS/U.S. at WAR

Level: Grade 11

NCAA Approved Course

Advanced Diploma Approved Course

This course is comprised of two semester courses. U.S. Presidents will examine the historical impact of the presidents of the United States. The presidents will be examined on numerous levels such as the following: political impact, economic impact, global impact, militaristic impact, and social impact. The students will study all of these influences and attempt to determine the overall legacy of the presidents of the world's remaining superpower. U.S. at War will discuss the major wars of the world. Specific wars will be dissected in an effort to understand wartime strategy, the causes of wars, the effects of wars, and the true historical perspective to be gained from a war. The class will be expected to research and develop theories on wartime strategy and whether or not the war was necessary.

Prerequisite: Social Science 10

Credit: 1 unit (1/2 unit per semester)

WORLD HISTORY—DE WESTERN CIV 2301/2301

Level: Grade 11

NCAA Approved Course

Advanced Diploma Approved Course

This course will study the political, military, economic, and social changes that have shaped the modern world. Students taking this course may also qualify to enroll at a university (at student expense) for one or both semesters of the course to earn simultaneous college credit. First semester will cover up to A.D. 1648, and semester two will cover 1648 to present.

Prerequisite: Social Science 10

Credit: 1 unit

U.S. GOVERNMENT/ECONOMICS

Level: Grade 12

NCAA Approved Course

Advanced Diploma Approved Course

In this course students gain an understanding of the workings of government at all levels and an appreciation of what it means to be a United States citizen. Major topics covered include representative democracy, branches of government, federalism, and civic responsibilities. Students are also provided with a broad knowledge of the U.S. economic system. The stock market, banking system, individual budgets, and many areas that are beneficial in analyzing current economic issues are covered.

Prerequisite: Social Science 11

Credit: 1 Unit (required)

ACADEMIC ELECTIVES ACADEMIC LABS

Level: Grades 9-12

Students who desire additional time to focus on their core courses can elect to take an academic lab. There will not be additional work assigned unless a student requests extra practice. Upper level science students (Honors Chemistry I, Honors Chemistry II, and Honors Physics) may benefit from the Science Lab. Algebra students (Algebra I, Algebra II/ Trigonometry, and Algebra III/Statistics) may benefit from the Math Lab.

Prerequisite: None

Credit: No credit

ACT PREP/CAREER PREP

Level: Grades 10-12

This course is designed to prepare students for acceptance into college and for success in their future academic and professional careers. For one semester, students will work to score adequately on their ACT test and/or to raise their ACT score to a higher level. With renewed emphasis at the local, state, and national levels to improve test scores, ACT Prep is a course that was created to improve those scores. The students receive intensive instruction in English, Math, Reading, and Science. Work will be done mostly using written

material from a variety of publishers that produce ACT Prep practice books. Test-taking strategies will be taught and emphasis will also be placed on time management during the ACT test. For the other semester, students will explore career fields, research academic pathways that will best prepare them for their career choice, and learn principles of budgeting for financial independence.

Requirements: Every student in the class is required to register and take the ACT Test (1st semester December test, 2nd semester April test). Failure to take the assigned ACT Test during the ACT Prep semester of the class will result in a grade of 64% (F) for that semester.

Prerequisites: None (Each student is encouraged to have taken the ACT at least once prior to enrolling in this class.)

Credit: 1 Unit (elective)

ETHICS/SOCIOLOGY

Level: Grades 10-12

NCAA Approved Course

This course is comprised of two semesters. Ethics will introduce the principles of logic, including inductive and deductive methods of reasoning, and will raise students' awareness of logical fallacies concerning both secular and religious current issues. Students will examine the world in which they live and develop ethical positions based on sound evidence. Various systems of conduct that oppose ethical behavior will be evaluated in an effort to understand the need to employ ethical standards in all facets of our civic life: family, school, business, and government. Sociology will be a study of society and culture. The class will examine and study multiple cultures and determine what creates a culture and its characteristics. The ultimate goal of this course is to show students what other lives are like outside of their own culture. Also, the student will examine traditional beliefs about specific cultures to be able to make informed judgments about the world around them. **Note: This course will no longer count for a social studies credit beginning with the class of 2019.**

Prerequisite: None

Credit: 1 unit (elective)

PSYCHOLOGY

Level: Grades 10-12

NCAA Approved Course

In this course students will explore various facets of human behavior. Topics will focus on biological, environmental, and social factors that influence personality, intelligence, learning, perceptions, emotions and motivation.

Credit: 1 Unit (elective)

ARTS: VISUAL ART 7/8

Level: Grades 7-8

This course includes advanced visual art concepts intended to broaden the foundational skills gained by students in the elementary program. A major focus is to further develop the artistic and visual perceptions in painting, drawing, stenciling, collage, color theory, three-dimensional design, composition, and mixed media.

Prerequisite: None

ART I

Level: Grades 9-12

Units of instruction in this course include drawing, painting, printmaking, graphic design, mixed media, color theory and general survey of art history. A wide variety of instructional materials and approaches are applied to specific problems within each unit. Emphasis is placed on the development of the individual's skill and expression enhancing the potential to provide the world with creative, innovative thinking in all walks of life.

Prerequisite: None

Credit: 1 Unit

ART II

Level: Grades 10-12

This course focuses on further development of the foundational skills. Awareness concepts are enriched in concentrated units of study in drawing, painting, printmaking, graphic design, applied color theory, mixed media, and art heritage. An expanded variety of instructional materials and methods are used to promote individual techniques and personal expression. Continued emphasis is placed on visual thinking skills and evaluative processes which lead students to responsible value judgments in art that will carryover to all areas of life.

Prerequisite: Art I

Credit: 1 Unit

STUDIO ART

Level: Grades 11-12

Advanced units of study are pursued according to specific individual interests. The units are based on past experiences and the development of personal skills and awareness with in-depth exploration stressing higher quality of work in all media. Students demonstrating a high level of performance and self-motivation are provided with the opportunity to plan their own course of study specifying materials, techniques, subject matter with minimum guidance from the instructor.

Prerequisites: Art I, Art II, and Instructor approval.

Credit: 1 Unit

PORTFOLIO ART (AP OPTION)

Level: Grade 12

This is an advanced course for the serious-minded art student. Students will develop a portfolio of expressive works that demonstrate quality, concentration, and breadth of personal expression in one or more of the following areas: Drawing, Painting, and Mixed Media. Career options and colleges are discussed as part of the course.

Prerequisite: Art I and Art II and teacher approval

Credit: 1 Unit

DECORATIVE ARTS/INTERIOR DESIGN

Level: Grades 9-12

This is a beginning course in arts for the home and family. Decorative arts will include projects such as scrapbooking, art journaling, sewing/embroidery, photography, and re-purposing "found" items. Practical application of this study will culminate in producing items

to sell at Southern Tradition, our school's annual fall fundraiser. Interior design will focus on color theory, use of space, and fabric and furniture styles. Students will make a color wheel and learn how to use it to plan a space; will graph rooms for best furniture placement in homes and business spaces; and will study furniture styles and major designers throughout history in order to create cohesive designs. Practical application of this study will culminate in a design/fabric notebook and a pillow designed in a particular style (student choice) for home use. Field trip(s) will explore local architecture.

Prerequisite: Prior art class instruction is helpful, but not required.

Credit: 1 Unit

ANNUAL

Level: Grades 9-12

The yearbook class produces a journalistic yearbook for the school that serves as a memory book, a history book, a record book, and a reference book. The students learn concept design, writing and photography with the latest technology. Growth in personal responsibility and creativity is also emphasized.

Prerequisite: Instructor approval

Credit: 1 Unit

PHOTOGRAPHY/JOURNALISM

Level: Grades 9-12

This course builds the skill of storytelling through the intertwined arts of photography and journalistic writing. Students will learn how to “compose” a photograph, to create a vivid “snapshot” in their writing to best communicate current events, and to apply the laws that govern the ethical standards of journalism to their own writing. Students’ work may also contribute to the production of the yearbook.

Prerequisite: None

Credit: 1 unit

ARTS: MUSICAL BAND 7

Level: Grade 7

7th grade band is designed as a musical transition period for students who have participated in 6th grade band, and an accelerated opportunity for late beginners to improve their musical skills.

Requirements: Participation in the Winter Concert and Spring Concert.

Prerequisite: Musical experience and teacher approval required

MARCHING/CONCERT BAND

Level: Grades 8-12

8th-12th grade band begins with a focus on marching and pep tunes, and then transitions to concert literature that is performed at the Christmas and Spring concerts. Students work toward developing and maturing musicianship. Participation in marching band is not required. **Note:** Two semesters of marching band *no longer counts* as a PE credit, beginning with the class of 2020

Requirements: Participation at summer band camp, football games, contests, parades, district festivals, Winter Concert and Spring Concert

Prerequisites: Musical experience and teacher approval required

Credit: 1 Unit for grades 9-12

PERCUSSION ENSEMBLE

Level: Grades 9-12

Students will learn and develop proper technique and performance on all types of percussion instruments, varying from traditional to non-traditional.

Prerequisite: Musical experience and teacher approval required

Credit: 1 Unit for grades 9-12

JAZZ FUSION BAND

Level: Grades 8-12

This performance-based course provides students with a “fusion” of jazz and pop music ensemble experiences. Traditional jazz instruments are used in this course. (i.e. – saxophone, trombone, trumpet, piano, bass, drums & mallet percussion).

Prerequisite: Teacher approval after audition required.

Credit: 1 Unit for grades 9-12

CHORUS 7-8

Level: Grades 7-8

The Chorus is a mixed choir consisting of development of vocal ability and skill in performing a variety of pieces of music, including a cappella selections. A concert schedule and participation in various assessments and festivals sponsored by the Alabama Vocal Association requires a time commitment that is in addition to the time spent in class. An evening concert is performed in winter and spring to provide a showcase of talent. Students are especially encouraged (but not required) to audition for the Alabama All-State Chorus.

Requirements: Participation in the Winter Concert, Spring Concert, Christian High School Choral Festival, State Choral Performance Assessment.

Prerequisite: None

CHORUS 9-12

Level: Grades 9-12

The Chorus is a mixed choir consisting of development of vocal ability and skill in performing a variety of pieces of music, including a cappella selections. A concert schedule and participation in various assessments and festivals sponsored by the Alabama Vocal Association requires a time commitment that is in addition to the time spent in class. An evening concert is performed in winter and spring to provide a showcase of talent. Students are especially encouraged (but not required) to audition for the Alabama All-State Chorus.

Requirements: Participation in the Winter Concert, Spring Concert, Christian High School Choral Festival, State Choral Performance Assessment.

Prerequisite: None

Credit: 1 Unit

ARTS: THEATRICAL DRAMA

Level: Grades 7-8

This course is designed to help the student gain an appreciation for theatrical arts. It provides an introduction to the fundamentals of acting and play production. The student will

have the opportunity to develop self-confidence, creativity, and self-expression skills through pantomime, improvisation, monologues, musical numbers, and ten-minute plays.

Prerequisite: None

THEATER: PERFORMANCE I

Level: Grades 9-12

This course is an introduction to theatre performance. Basic skills include stage directions, movement, voice, monologues, improvisation, and one-act plays.

Prerequisite: Audition

Credit: 1 Unit

THEATER: PERFORMANCE II

Level: Grades 10-12

This course is for students to hone more advanced skills to include acting, directing, and writing.

Prerequisite: Performance I or its equivalent and audition

Credit: 1 Unit

THEATER: STAGE CRAFT

Level: Grades 10-12

Students who have an interest in technical theatre will learn costuming, props, makeup, set design, set modeling, lighting, young, marketing, and stage management.

Prerequisite: Performance I or its equivalent

Credit: 1 Unit

ATHLETIC ELECTIVES

PHYSICAL EDUCATION

Level: Grades 7-8

This course consists of instruction in a variety of individual and group activities that promote physical fitness and wellness. Activity units may include, but are not limited to, volleyball, kickball, aerobics, weight training, calisthenics, badminton, tennis, gymnastics, basketball, and track and field. This class is also designed for athletes to maintain physical conditioning during the off-season, as well as during the period of athletic competition. This course is required for grades 7-8.

Requirement: Exercise clothing

Prerequisite: None

FITNESS AND CONDITIONING

Level: Grades 9-12

This course provides balanced instruction in fitness and conditioning for cardiovascular health, muscular tone and strength, flexibility, and agility. Students will learn fitness strategies for maintaining quality of life in every life stage. This course is appropriate for all students; however, athletes who want to maintain physical conditioning and build skills relevant to their chosen sport are especially encouraged to take this course.

Requirement: Exercise clothing

Prerequisite: None

Credit: 1 unit (Fulfills one credit of PE required for graduation)

BUSINESS/MANAGEMENT ELECTIVES

INTRODUCTION TO BUSINESS

Level: Grades 9-12

This is an introductory course designed to acquaint the student with American business as a dynamic process in a global setting. Topics include the private enterprise system, forms of business ownership, marketing, factors of production, personnel, labor, finance, and taxation.

Prerequisite: None**Credit:** 1 Unit

ADVANCED BUSINESS

Level: Grades 10-12

This course will involve content of an entry level college business course. The same text will be used for the both business courses; however, in Advanced Business, the text will be explored more in depth and the assignments will require a deeper understanding of the material. Students will also be challenged with group projects and business simulations.

Prerequisite: Introduction to Business or its equivalent (or instructor approval)**Credit:** 1 Unit

COMMUNICATIONS

Level: Grades 9-12

This course is designed to build leaders by addressing specific objectives: communication skills, group process, self-awareness, and human relations. Special emphasis is placed on public speaking, methods of persuasion, group discussion, and conflict resolution. Students are taught how to be intelligent listeners in an age in which they are daily bombarded with thousands of persuasive messages.

Prerequisite: None**Credit:** 1 Unit

CAREER FIELD STUDY

Level: Grade 12

Seniors who want to explore a particular career, in advance of choosing a college and course of study, are encouraged to take this semester-long course. Students will be matched with business mentors who will educate them on the realities of the work world and provide them with invaluable work experience; will research which colleges offer degrees in their chosen field and what work opportunities are available in the area where they want to live; and will present their findings to an objective panel as a culminating project. **Note: May be taken for two semesters or may be paired with Student Aide or Academic Lab**

Prerequisite: None, but student cannot be in sport in the same semester as the class**Credit:** 1/2 Unit for Career Field Study

LANDSCAPING AND FACILITY MANAGEMENT

Level: Grade 10-12

This course teaches students to become more knowledgeable about and appreciative of the fundamentals of maintaining landscaping, field establishment, and facility management. Students will receive hands-on instruction in the areas of tools and equipment; irrigation and

drainage; insects, diseases, and weeds; field turf management; environmental issues, and routine facility upkeep.

Prerequisite: None, but instructor approval is required

Credit: 1 Unit

TEACHER AIDE

Level: Grade 12

Teacher Aide provides opportunities for a limited number of qualified students to gain hands-on experience in assisting the professional staff with clerical and managerial tasks.

Requirement: Student maturity and dependability

Prerequisite: Administrator approval

Credit: 1/4 Unit per semester

FOREIGN LANGUAGE

SPANISH I

Level: Grades 9-12

NCAA Approved Course

Advanced Diploma Approved Course

This course provides an introduction to the Spanish language and Hispanic culture.

Students learn the basic skills of reading, writing, listening, and speaking. The acquisition of vocabulary is emphasized.

Prerequisite: An overall B average is recommended, especially in English.

Credit: 1 Unit

SPANISH II

LEVEL: GRADES 10-12

NCAA Approved Course

Advanced Diploma Approved Course

Spanish II is a continuation of concepts introduced in Spanish I. Students build on vocabulary and learn more advanced grammar. Emphasis is placed on reading, speaking, writing, and listening comprehension.

Prerequisite: Spanish I (an average of 75 or above in Spanish I is recommended)

Credit: 1 Unit (Spanish I/II satisfy an Advanced Academic Diploma requirement)

SPANISH III

Level: Grades 11-12

NCAA Approved Course

Advanced Diploma Approved Course

Spanish III continues to move students from a comprehension level to a more fluent use of the Spanish language. This course consists of speaking, reading, and writing Spanish using various video series and related textbooks.

Prerequisites: Spanish I and II

Credit: 1 Unit

LIFE SKILLS ELECTIVES

Drivers' Education

Level: Grades 9-10

Driver's Ed is a semester-long program consisting of classroom instruction and behind-the-wheel training offered to all eligible students. MA Driver Education is designed to prepare our students for a lifelong skill that greatly enhances their quality of life. The goal of MA Driver Education is to provide each student driver the psychomotor skills and mental attitudes required to become the most competent, skillful, responsible driver possible. The program is offered each semester at MA upper school campus. To be eligible to enroll, a student must meet the following requirements:

- Be at least 14.5 years old but less than 18 years old on the first day of the desired class.
- Not have had Driver Education before.
- Agree to comply with the MA Code of Conduct.

A proficiency test may be offered to students who are at least 16 years of age or who have transferred from another state and possess a valid level one graduated driver license (GDL). If, for any reason, the instructor deems the student unsafe or intentionally disrespectful, the student will be removed from the program immediately. If a student is removed from the program for disciplinary reasons or withdraws from the class, the student must make arrangements to complete training through a commercially-licensed school at his/her own expense.

Prerequisite: None

Credit: 1/2 Unit

HEALTH

Level: Grades 9-10

This course encompasses a variety of issues that are relevant to maintaining health and wellness in the contemporary world. Topics include nutrition, stress, exercise, substance abuse, home safety, CPR, first aid personal management, and disease prevention. This course is paired with Driver's Ed.

Prerequisite: None

Credit: 1/2 Unit (fulfills health requirement for students electing not to take Human Physiology; does not fulfill a credit requirement in science)

LEADERSHIP

Level: Grades 9-10

This course is designed to build leaders by addressing specific objectives: understanding and working with different leadership styles, problem-solving, collaborating, developing healthy habits, and learning the skill of positive reinforcement. This course is paired with Driver's Ed.

Prerequisite: None

Credit: 1/2 Unit

LEADERSHIP PRACTICUM

Level: Grades 11-12

This course is designed to reinforce leadership skills through practical, hands-on training in the areas that are necessary to be an effective leader: integrity, work ethic, organization, and service.

Prerequisite: None

Credit: 1 Unit

PERSONAL FINANCE

Level: Grades 10-12

Personal Finance provides students with an overview of general principles in finances so that students can successfully navigate the financial challenges of independent living: maintaining a check/debit account, following a budget, saving and investing, paying taxes, planning for a financially-secure future.

Prerequisite: None

Credit: 1 Unit

SERVICE ELECTIVES

CAMPUS LEADERS

Level: Grades 9-12

This course is offered to students who are gifted with spiritual discernment and who want to cultivate skills in planning, organizing, and implementing MA's global missions programs, community service days, and school chapels. Campus leaders will serve as student advisors to the campus minister to ensure that MA's spiritual offerings are meeting the needs of the student body; will plan meaningful chapels that are relevant and timely; will lead and/or facilitate student-led chapels; will organize and participate in community service projects and global missions; and will be available to serve faculty, staff, and students in various capacities as needs arise.

Prerequisite: None

Credit: 1 Unit

SPIRITUAL OUTREACH

Level: Grades 9-12

This is a faith-in-action course offered to students who have a desire to express their love for Christ by serving others. Participants in the class will foster community on the MA campus by creating relationships with elementary and Little Madison Academy students through tutoring, mentoring, and playing; by seeking opportunities to serve and encourage MA faculty, staff, and student body; and by studying missionaries, both past and present, and translating the mission mindset into everyday practice on MA's campus. Opportunities to serve our partner in education, Lincoln Academy, and the Huntsville community will also be offered.

Prerequisite: None, but instructor approval required

Credit: 1/2 Unit per semester for grades 9-12

STUDENT AMBASSADOR

Level: Grades 10-12

The position of Student Ambassador is the highest service position at MA that will be awarded to one junior boy, one junior girl, one senior girl, and one senior boy who best exhibit the qualities of the well-rounded student: spiritually- and academically-grounded, diligent, articulate, enthusiastic, personable, and highly-involved in student activities such as athletics, clubs, and service organizations. Student Ambassadors will be trained in the art of public relations; will serve as tour guides for prospective students; will represent MA at various school and community events; will write and publish regular articles on student life at MA; and will collaborate with Campus Leaders and Spiritual Outreach students to ensure that MA campus life is fulfilling for all students. Students who want to be considered for this position must submit an application and schedule an interview.

Prerequisite: None

Credit: 1 Unit

S.T.E.M. ELECTIVES

ZULAMA I: INTRODUCTION TO GAMING

Level: Grade 9

Semester one explores the evolution of games: ancient cultures, their games, and how they designed games using available technology and resources. Students will find out more about the benefits game playing has within a society, will prototype and play games, and will get hands-on experience creating an original game. Semester two, students will use professional game design techniques to create playable mobile games. Using GameSalad, students will learn the fundamentals of game balance, apply competition and playfulness, demonstrate a working knowledge of triangularity, and debug using iterative game design.

Prerequisite: None

Credit: 1 Unit

ZULAMA II: GAME DESIGN AND 3D MODELING

Level: Grade 10

This course offers one semester of game design and one semester of 3D Modeling. “Gaming” doesn’t only mean video games. Gamers also play board games, card games, simulations, and participate in interactive stories. Game Design breaks down the design process step by step. Students will learn the fundamentals through hands-on modding, prototyping, and iteration of a variety of games. Their final project will include building, playtesting, and revising their own original game that can be played with friends and added to the student’s game portfolio.

Second semester, students will learn the 3D modeling techniques used in movies, visual effects, video games, cartoons, commercials, and animation! Using 3DS Max, students will work in this highly skill-based art form to manipulate and sculpt pure imagination into substantial forms. By the end of the course, students will have developed a portfolio of original projects that they can use when applying for an internship, higher education, or a job.

Prerequisite: Zulama 1

Credit: 1 Unit

GRAPHIC DESIGN

Level: Grades 10-12

Students will explore the significance of graphic design in today’s society. Students will study different methods and types of design and will use Adobe Photoshop and Illustrator for their own original designs.

Prerequisite: None, but students who have taken Web and Graphic Design at MA are not eligible

Credit: 1 Unit

3D MODELING

Level: Grades 10-12

Students will study the complex intricacies of 3D animation and will learn how to create and animate their own 3D models using Blender.

Prerequisite: None, but students who have taken Graphic Design with 3D modeling at MA are not eligible

Credit: 1 Unit

PLTW: PRE-ENGINEERING

Level: Grades 10-12

This course is an elective option for students interested in science and technology. It is designed to introduce students to the basic principles of engineering and to the major types of engineering.

Credit: 1 Unit (elective only, does not meet core requirement)

PLTW:PRINCIPLES OF ENGINEERING

Level: Grade 11-12

Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.

Prerequisite: Pre-Engineering

Credit: 1 Unit (elective only, does not meet core requirement)