ACCELERATED, HONORS, 
AND ADVANCED PLACEMENT COURSES

When you enroll into these classes, you should understand that by enrolling in any Accelerated/Honors/Advanced Placement course you are committing to a yearlong course. Also understand that these courses require a workload that is rigorous, often requiring summer work, and that student success will be predicated on the student’s ability to meet rigorous expectations.

Some of these classes have weighted credit. In order to receive the weighted credit, the student must complete the course. AP students must take the AP exam at the end of the year and complete the course. Failure to take the exam will result in loss of the weighted grade and the student will lose ranking.

Please also understand that you will be committed to staying in the class for the full year. Students who are concerned about their academic performance are encouraged to seek tutorial assistance in order to succeed. Students will not be moved to another level without teacher, parent, and administrator agreement that the student is unable to complete the course. No changes will be considered until students have made every effort to be successful in the course. Schedules are made for all classes based on the numbers from the requests made in the spring, moving students after the master schedule is done causes classes to become overfilled and violates state guidelines. Therefore assignments to alternative courses are based on available space and not on the choice of the student.
GUIDANCE INFORMATION  
(256) 552-3060

If you need help regarding scheduling, you may
Contact the following counselors:

Grade 09 (class of 2015) Dawn Carroll, ext 230 Dawn.Carroll@dcs.edu
Grade 10 (class of 2014) STAFF ext 232
Grade 11 (class of 2013) Lisa Earley, ext 233 Lisa.Earley@dcs.edu
Grade 12 (class of 2012) Lewis White, ext 231 Lewis.White@dcs.edu

Transcripts: Transcript requests are taken in the guidance office. A student must complete a form and have a parent’s signature if they are less than 18 years of age. The fee for a transcript, official or unofficial, is $2.00.

Enrollment forms: An enrollment form is needed to verify school attendance/enrollment. This form is required for a driving permit.

ACT/SAT Applications: Applications for the ACT can be requested in the guidance office (supplies are very limited) or you should register online at www.act-student.org to register for the test. We do not have hard copy applications for SAT, the College Board requests you register on-line for the SAT at www.collegeboard.com. Our school code for both exams is 010856.

Parent Conferences: Parents may request a conference with their child’s teacher or guidance counselor. Please call your child’s counselor for assistance.

Scholarships: Seniors receive an update on scholarship opportunities during their Government and Economics classes and on Austin High School’s website

Progress Reports: Parents may view their student’s grades and attendance from our parent website, STI HOME. You can obtain your student’s ID# and Pin# from the guidance office. Only a parent may sign for this information.

Homework requests: When a student is out sick, homework may be requested. Homework requests are permitted when the student is absent for two or more consecutive days. Assignments must be requested through the guidance office before 3:00 pm on the day prior to the parent picking up assignments.

ALABAMA HIGH SCHOOL GRADUATION EXAM (AHSGE)

The Alabama State Board of Education requires that any student receiving a high school diploma must pass all section so the AHSGE and fulfill State and local requirements regarding Carnegie units.

AHSGE sections: * Reading Comprehension Test
  * Language Test
  * Mathematics Test
  * Biology Test
  * Social Studies Test

RECLASSIFICATION OF HIGH SCHOOL STUDENTS

High school students are eligible for reclassification at the conclusion of the first semester, second semester, and summer school of each school year.

A student may be classified as a sophomore if the student has earned seven (7) credits overall, four (4) of which are core curriculum credits with one (1) credit minimum in each of the four core areas.*

A student may be classified as a junior if the student has earned fifteen (15)** credits, eight (8) of which are core curriculum credits with two (2) credits minimum in each of the four core areas.*

A student may be classified as a senior if the student has earned twenty (20) credits***

* The core curriculum subject areas are: Math, English, Science, and Social Studies.
** Due to the change to Block scheduling in the 2010-2011 school year, the students in the Class of 2012 and 2013 will be allowed Junior status with 14 credits, eight (8) of which are core curriculum credits with two (2) credits minimum in each of the four core areas.*
*** 2012 – 20 credits
     2013 – 21 credits
     2014 – 22 credits
KUDER CAREER PLANNING SYSTEM

What are you going to be when you grow up?

That seems like an easy question to answer when you are young, but as you get older, you probably realize that the answer is not as simple as it once seemed. You have a lot of questions to answer and a lot of choices to make:

- What classes should I take now and in the next few years?
- What should I do after I graduate—continue with school or get a job?
- What kind of school should I attend—technical, 2-year, 4-year, other?
- What options are available to me?
- What do I like to do?
- What am I good at and what can I learn to do?
- What is most important to me and my future career success and happiness—workers, environment, something else?
- How do I find the answers to all these questions?
- How do I decide where I am going with my life?
- How do I find my way?

The questioning and decision-making processes continue throughout your lifetime. Whether you are a student, a job seeker, or a career changer, The Kuder Career Planning System can help you answer the question:

Do you know where you are going?

Since 1939, the Kuder inventories have directed individuals toward making satisfying career choices. The Kuder Career Planning System now published by National Career Assessment Service, Inc. (NCASI), is an innovative, internet-based system combining research-based interests, skills, and work values assessments with portfolio development, comprehensive educational and occupational exploration resources and administrative database management.

The Kuder offers a comprehensive solution for career planners at all stages of career development. The Kuder system includes:

- On-line lifelong career portfolio
- Research-based interests, skills, and work values assessments
- Education and career planning resources.

Begin Lifelong Career Planning at www.al.kuder.com. Simply follow the login instructions. To take an Assessment enter the appropriate Batch code below for the assessment you plan to take:

Career Search I3294372GVW
Skills S3294369GVW
Work Values V3294373GVW

Please see your counselor for additional questions you may have regarding the Alabama College and Career Planning System powered by Kuder.

WHAT IS THE MIDDLE YEARS PROGRAM (“MYP”)?

The IB Middle Years Program (MYP), which spans grades 6 through 10, is a framework for teaching that benefits ALL students. The MYP framework addresses a wide range of learning styles, involves all students in their own unique learning processes, and gives the students a standard, internationally accepted foundation of knowledge. The MYP is a comprehensive program of academic challenge and life skills appropriate to this age group.

The MYP uses five common themes (the "Areas of Interaction") to intertwine eight MYP Subject Groups. Portfolios of each student's work in these Subject Groups are collected over the five years of the program and, in the 10th grade, each student has the requirement to complete a unique Personal Project.

The five MYP Areas of Interaction are:
- Approaches to Learning - Human Ingenuity - Health & Social Education - Environment - Community Service

The eight MYP Subject Groups and their required credits are:
- Language A (English) 1 credit per year
- Humanities (history) 1 credit per year
- Mathematics 1 credit per year
- Sciences 1 credit per year
- Physical Education ½ credit per year
- Language B (Foreign) ½ credit per year
- Arts ½ credit per year
- Technology ½ credits per year
FRESHMAN COURSE GUIDE

ENGLISH DEPARTMENT

**All English courses require summer reading**: Students taking freshman and sophomore English courses should realize that these courses are important and prepare students for the Graduation Exam that is administered in the second semester of the sophomore year. All students must pass the Graduation Exam in order to graduate.

All writing submitted as a fulfillment of a requirement for an English course must be free of plagiarism. The works of authors must be either directly quoted and documented or paraphrased and documented. Appropriate academic and disciplinary action will be taken if plagiarism occurs.

**FRESHMAN ENGLISH**

**HONORS FRESHMAN ENGLISH - 0001 (9)** is designed for the student who has performed well above average in previous English courses, is motivated, has mastered basic skills, and is willing to handle a more challenging workload. The course moves through basic concepts and advances to the more sophisticated aspects of traditional grammar with the goal of making the student a more effective reader, writer, and speaker. Students work on writing skills beginning with the sentence and moving quickly to the skills of paragraph and essay development. Students are encouraged to voice their points of view and interpretations of literature. The student will be assessed on testing (objective and discussion) reflecting the Alabama course of study and the MYP level 4 standards. Literature to be studied includes The Odyssey and Animal Farm as well as additional novels. Students must purchase a copy of Broken April by Ismail Kadare. The course covers both grammar and literature each semester. (Note: Three years of Advanced English are required for membership in National Honor Society.)

Summer Reading Requirement: Students will read The Chosen by Chaim Potok and The Uglies by Scott Westerfield. Students will be tested on the book within the first week of school.

**ESL Students**: Freshman: The Summer of Swans by Betsy Byars; The House on Mango Street by Sandra Cisneros

**Pre-AP/DP BIOLOGY – 3110 (9)** is a core science course that focuses on the basic concepts and skills required in the study of living systems and organisms. Students will be required to perform laboratory investigations, problem-solving activities, keep records, make reports, present oral and written projects, and participate in discussions regarding the results and conclusions of scientific investigations. **Prerequisite: None. Credit in Honors Biology precludes credit in this course. Credit in Biology fulfills the biological science core requirement for either diploma.**

**Pre-AP/DP BIOLOGY – 3114 (9)** is a core science course that focuses on the basic concepts and skills required in the study of living systems and organisms. This course is recommended as accelerated preparation for highly-motivated students interested in Advanced Placement Sciences and/or International Baccalaureate Courses. Students will be required to perform laboratory investigations, problem-solving activities, keep record, make reports, present oral and written projects, and participate in discussions regarding the results and conclusions of scientific investigations. Course requirements may include, but may not be limited to, performing and presenting an integrated science project(s), writing research papers, and performing community service projects related to course topics. **Prerequisite: Successful competition of Physical Science with a grade average of 87 or higher and concurrent enrollment in Algebra I. A summer assignment will be required and will be available in May.**
SOCIAL STUDIES DEPARTMENT

WORLD HISTORY 1500 to the Present - 2710 (9) is a required course which directs students to think critically about the various forces that combined to shape the world today. Emphasis is on geography, civics, and economic systems within a chronological context. Critical thinking, historical inquiry and analysis are important in this course as students compare and contrast civilizations over time. The course is divided into the following topics:

- The Emergence of a Global Age
- The Age of Revolutions
- The Rise of Nationalism
- The Era of Global War 1914-1945
- The World from 1945 to the Present

PRE-AP/DP WORLD HISTORY 1500 to the Present 2174 (9) offers an accelerated alternative to regular ninth grade history. This course is recommended as accelerated preparation for highly-motivated students interested in Advanced Placement Sciences and/or International Baccalaureate Courses. This course is writing intensive and requires above average reading and writing skills. It is recommended to precede tenth grade AP History. This course allows students to think critically about the events that shaped our world today. Emphasis is placed on geography, history and current events. Students will participate in group activities and research throughout the year. An outside reading book will be required one semester and an extended research report written the other. Prerequisite: A minimum of B+ is required in eighth grade social studies and English, and prior approval from an eighth grade social studies teacher is needed before registration. A summer assignment will be required and will be available in May.

SOCIAL STUDIES ELECTIVE:

CONTEMPORARY WORLD AFFAIRS (2155 - 9th & 10th) is an elective course for 9th-12th graders designed to introduce students with current events of state, national and international interest. Students acquire skills for collecting information, using primary sources, analyzing editorials, forming opinions and reflecting upon the patterns of history and the implication of current events for the U.S., Alabama, and the individual. This course may be taken for one semester or for the entire year.

MATHEMATICS DEPARTMENT

ALGEBRA IA - 1106 (9-10) is a study which concentrates on the concepts covered in the first half of an Algebra I course. This includes, but is not limited to, the study of real numbers and their properties, the language of algebra, operations with signed numbers, operations with monomials and polynomials, solving equations and problems, factoring, and operations with fractions. Algebra IB is required to complete the State requirement of Algebra I. Note: Credit in Algebra IA precludes credit in this course and Algebra IB. *this course does not apply to the Advanced Diploma. Algebra IA does not meet the requirements to be a member of the National Honor Society.

ALGEBRA I - 1140 (9-10) is a formal, in-depth study of algebraic concepts and the real number system. Content in this course will be assessed as part of graduation requirements. Simplifying expressions and solving equations and inequalities are a major part of the course. Function concepts, graphing linear equations, and applying formulas to find perimeter, area, volume, circumference, distance, midpoint, and slope are studied in many contexts. Solving and graphing systems of equations and solving quadratic and absolute value equations are explored. Topics in statistics include probability and independent events with or without designated order, with or without replacement. Representation of problem situations that involve variable quantities with expressions, equations, or inequalities is a central focus. Emphasis is placed on using mathematical modeling in data collection and in making predictions. Tables and graphs are utilized to interpret algebraic expressions, equations, or inequalities. Prerequisites: Teacher recommendation considering previous math grades. Student should have a B or higher in current math class to take this course. Note: Credit in Algebra IA and Algebra IB precludes credit in this course.

GEOMETRY - 1382 (9-12) is an honors level course for the highly motivated student. Content includes a study of plane, solid, and coordinate geometry. The major topics covered during the first semester include a study of the basic concepts of geometry, types of reasoning, deductive proofs, angle relationships, parallel lines, congruent triangles and their applications, similar polygons, and quadrilaterals. During the second semester, right triangles, circles, loci, constructions, area of plane and solid figures, volume of solid figures, applications and proof in coordinate geometry, and transformations will be studied. Prerequisite: Algebra I and teacher recommendation. Student should have an A or higher in current math class to take this course. Note: Credit in Basic Geometry precludes credit in this course.

FOREIGN LANGUAGE

FRENCH

FRENCH I - 4100 (9-12) Students will be introduced to the French language and cultures of France and other French-speaking nations. Basic skills are stressed in the areas of speaking, listening, reading, and writing in French. The acquisition of vocabulary is especially emphasized. Students will be expected to speak French and to participate in activities with other students. Students must have a C average or higher in English.

FRENCH II for freshmen - 4101 – (Grade 9) This is an Advanced French curriculum for the student planning to pursue an IB diploma that has completed French I in middle school. This course is weighted 2.5 points.
SPANISH

SPANISH I - 4500  (9-12) Students will be introduced to the Spanish language and culture of Spanish-speaking nations. Basic skills are stressed in the area of speaking, listening, reading, and writing in Spanish. The acquisition of vocabulary is especially emphasized. Students will be expected to speak Spanish and to participate in activities with other students. **Students must have a C average or higher in English.**

SPANISH II / Freshmen – 4552  (9-12) Students build upon the vocabulary and basic grammar taught in Spanish I to become more proficient. Students become more adept in creating with language. Students must purchase a Spanish/English dictionary. **Prerequisite: A “C” average or higher in Spanish I is required.**

PRE-DP SPANISH II - 4551- (Grade 9-10) Advanced Spanish II curriculum for the student planning to pursue an IB diploma. This course is weighted 2.5 points. **Prerequisite: An average of C or higher in the appropriate Spanish I level class.**

ART

ART APPRECIATION I – 5134 (9) - this course introduces students to visual arts and helps them develop an awareness of the creative process and art media. Students will learn to understand and critique art and learn about the elements and principles of art and the art of various cultures. Students will also develop works of art in a range of media. This is an introductory course for students who may have limited experience with the arts and are not eligible to take Art I. **This course is one semester in length. This course cannot be counted as the prerequisite for any advanced art course.**

ART I - 5130 (9-12) This studio course is the foundation for art study. Emphasis is placed on the development of art skills and knowledge of the elements and principles of art. Self-expression and art exploration are encouraged. Units of study may include, but are not limited to, drawing, painting, printmaking, pottery, sculpture, calligraphy, weaving, and art history. This studio art course is structured to develop skills necessary for freehand sketching, rendering, and creative expression. This is a hands-on studio course for students who have interest AND experience with the arts. A pre-registration drawing is required for placement in this course. Drawing packets are available in the office of each Middle school, and at Austin High school. **This course is one year in length. This course is a prerequisite for ALL advanced art courses. **Teacher permission required.

DRAMA

INTRODUCTION TO DRAMATICS – (0293 – full year course), (0290 a semester course) (9-12) Drama teacher recommendation required. This is a General drama course introducing basic theatrical terminology, theatre history, stage directions, and theatre appreciation. This course includes opportunities for a student to gain self-confidence through improvisation activities and theatre games. MANDATORY attendance at all Austin theatrical productions is required. Excellent class to fulfill fine arts credit, but will not count as an English credit.

INTERMEDIATE DRAMATICS - 0294 (9-11) By audition and teacher recommendation only. This course is for students interested in being a part of the Austin Drama Department throughout high school. This course includes In-depth dramatics instructions using theatrical terminology, stage direction, artistic interpretation, and speech to create live performance. Participation in improvisation, monologues, and duet and group scenes will be stressed. An optional field trip to see a live theatrical performance will be offered. Students may participate in statewide theatre competition. MANDATORY attendance at the Austin theatrical productions is required. Counts as a fine arts credit, but not an English credit.

MUSIC

SYMPHONY BAND - 5135 (9-12) (Teacher permission only) is one of the performing instrumental ensembles offered at Austin. It consists of students in grades 9-12 who have passed an audition by the director and whose instrumental ability is on or above the A level. The marching band performs for all football games, homecoming parade, Christmas Parade, and special community activities. The band actively participates in District and State Band Festivals, and usually one out-of-state competition. The individual students are required to participate in Solo and Ensemble Festival and strongly encouraged to participate in All-State Band auditions.

CONCERT BAND - 5136 (9-12) (Teacher permission only) is one of the performing instrumental ensembles offered at Austin. It consists of students in grades 9-12 who have passed an audition by the director and whose instrumental ability is on or above the B level of music. The marching band performs for all football games, homecoming parade, Christmas parade, and special community activities. The band actively participates in District and State Band Festivals and usually one out-of-state competition. The individual students are required to participate in Solo and Ensemble Festival and strongly encouraged to participate in All-State Band auditions.

CADET BAND - 5137 (9-12) (Teacher permission only) is one of the performing instrumental ensembles offered at Austin High. It consists of students in grades 9-12 who have passed an audition by the director and whose instrumental ability is on or above the C level of music. The marching band performs for all football games, homecoming parade, Christmas parade, and special community activities. The band actively participates in District and State Band Festivals and usually one out-of-state competition. The individual students are required to participate in Solo and Ensemble Festival and strongly encouraged to participate in All-State Band auditions.
PERCUSSION – 5161 (Teacher permission only) is one of the performing instrumental ensembles offered at Austin. It consists of students in grades 9-12 who play concert and marching percussion instruments and who have passed an audition by the director. Members of this ensemble perform with the Symphony Band, the Concert Band, the Cadet Band, and the Marching Band as well as performing with the Percussion Ensemble.

INSTRUMENTAL MUSIC - 5370 (9-12) (Teacher permission only) are small groups of students scheduled through the day in instrumental music classes. Instruction is on an individual basis, with individual practice required and private lessons given at least once or twice a week to each student by the band director. Music Theory is taught as a part of the class when the makeup of the class lends itself to being a productive activity for the students. Students are expected to audition and participate in All-State and Solo and Ensemble Festival.

JAZZ BAND - 5765 (9-12) (Teacher permission only) is designed for those students at a more advanced level wishing to broaden their musical experience to include rock, jazz, and Latin styles. Members of this ensemble must also be members of the Symphony, Concert, or Cadet Bands.

MUSIC APPRECIATION - 5521 (9-12) a one semester course in FINE ART, Study will include various elements of music such as: sound, pitch dynamics, voices, instruments, rhythm, melody, harmony, and musical form. It will involve different periods, styles, artists, and composers. This will include music theory and personal voice training sessions, which will teach vocal technique using exercises and principles of singing. Finally, the student will work on performance skills, which will be practiced on stage during a recital.

WOMEN'S CHOIR - 5461 (9) (Teacher permission only) is an all-girl choir open by simple match-the-pitch auditions. This choir is only for ninth-grade girls and is used to develop musical skills and proper rehearsal techniques. This choir actively participates in Alabama Vocal Association competitions and at least one (optional) out-of-state choral competition each year. They are also required to perform in the annual winter and spring concerts and are encouraged to participate in auditions for All-State Chorus.

MEN'S CHOIR - 5460 (9) (Teacher permission only) is an all-male choir open by simple match-the-pitch auditions. This choir is only for ninth-grade boys and is used to develop musical skills in the changing young man’s voice and proper rehearsal techniques. This choir actively participates in Alabama Vocal Association competitions and at least one (optional) out-of-state choral competition each year. They are also required to perform in the annual winter and spring concerts and are encouraged to participate in auditions for All-State Chorus.

CAREER-TECHNICAL DEPARTMENT

FAMILY CONSUMER SCIENCES

LIFE CONNECTIONS- 7431 (9-12) is a one semester course. Are you a confused and stressed out teen? This course will help you focus on goal setting; career planning, work readiness skills; communicating effectively with family/friends; and developing strategies for independent living. The student will be required to purchase some resources to be used in this course. This course could be paired with Art Awareness, Basic Computer Applications, Health, or any other semester course.

FAMILY AND CONSUMER SCIENCE (9th-12th) 7259 - This is the introductory course to FACS Department. Family and Consumer Sciences is a year long course. This course is designed to assist students in recognizing the roles, responsibilities, and importance of the family. Course content provides opportunities for students to explore characteristics of strong families; family customs and traditions; healthy relationships; marriage readiness; parenting issues; consumer behavior; clothing, housing, and food needs throughout the life span; assessing effects of technology on the family; and career options related to family and consumer sciences and human services. No prerequisites are required for this course.

AUTOMOTIVE TECHNOLOGY

AUTOMOTIVE ENGINE REPAIR – 7170 – This is the introductory course to Auto tech. This is a one-credit course that provides students with classroom and laboratory experiences in diagnosing and repairing gasoline engines. Topics include engine disassembly, component identification, inspecting and measuring parts, and engine assembly and repair. Upon successful completion of the course, students are able to diagnose, remove, repair, rebuild, and install an automobile engine. This course incorporates all personal and environmental safety practices associated with clothing; eye protection; hand tools; power equipment; proper ventilation; and the handling, storage, and disposal of chemicals and materials in accordance with local, state, and federal safety and environmental regulations.

INTRODUCTION TO PRECISION MACHINING – 7597 (9-12) this course provides an introduction to manufacturing processes and job opportunities for students who are pursuing careers in manufacturing. The class will introduce, safety, print reading, drill press, power saws, and bench work. This is the first course in machine tool technology.

ENGINEERING & DRAWING TECHNOLOGY

ENGINEERING DRAWING I - 7475 (9-12) is designed to teach the basic skills needed in all engineering and architectural fields. Areas of study will include technical math, instruments, lettering and drawing techniques, multi-view drawings, basic dimensioning, fundamentals of CAD, sections, auxiliary views, threads and fasteners, pictorial drawings, and the design cycle. ADDA nationally certified program and instructor. Note: Students must complete all of the tasks assigned in this course before they can advance to Engineering Drawing II. Prerequisite: Teacher's Permission Required.

ENGINEERING DESIGN & DRAWING - 7482 (9-12) This course is open to any 9th-12th grade student who meets academic co-requisites and is a prerequisite to participation in Level II of the Engineering Academy. Co-requisites: Geometry and Biology. Level 1 of the Engineering Academy is a full year course where students use 3D solid modeling design software to help them design solutions to solve proposed problems using the Project Lead the Way curriculum. Students will
learn how to document their work and communicate solutions to peers and members of the professional community. The major focus is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation.

BUSINESS & MARKETING EDUCATION

Business Technology Applications, Advanced Business Technology Applications, Multimedia Publications, Business Essentials, Marketing Principles, Accounting, Advanced Accounting, and Law in Society are all one-year courses. To receive one full credit for each of the classes detailed below, each class must be completed and passed.

**7310 – BUSINESS TECHNOLOGY APPLICATIONS** - is a one-year 1 credit course designed for 9th – 12th graders to help students master skills in the areas of proper keyboarding, business document formatting, word processing and presentation software using Word and PowerPoint in the Microsoft Office 2003 suite, and Micro Type Pro. Students are offered opportunities to identify ethical issues pertaining to information systems and to gather information about careers in technology. Communication and critical thinking skills are reinforced through the use of software applications.

**7554 - BUSINESS ESSENTIALS** - is a one-year (1credit) course designed for 9th – 12th graders and is an introductory course that addresses the principles and concepts that serve as the foundation for future study in the Business/Marketing Education program. Topics covered include safety, communications, interpersonal skills, marketing, computer applications, business and personal finance, business management, entrepreneurship, business law, and economics.

PHYSICAL EDUCATION

**PHYSICAL EDUCATION – 6190 (Boys 9) 6420 (Girls 9) is a Year Long course** - consists of instruction in and knowledge of a variety of activities such as individual and conditioning exercises, rhythms, tumbling, gymnastics, team sports, and individual sports. The high school required course, L>I>F>E> (Lifetime Individualized Fitness Education) provides a blueprint for a lifetime of healthy living. L>I>F>E> requires students to develop and maintain an individual level of fitness that provides a healthy future. Fitness and wellness components will be taught by providing experiences in which students can apply these components in meaningful ways. The components will be applied in a variety of meaningful experiences including, but not limited to rhythms, individual and dual sport activities, team sports, and leisure activities. **THIS COURSE FILLS THE P.E. REQUIREMENT FOR MYP.**

JROTC

**FIRST YEAR: INTRODUCTION TO LEADERSHIP EDUCATION AND TRAINING - 6754** During the first year, cadets will receive classes on Introduction to JROTC, Leadership, First Aid, Map Reading, Techniques of Communication, and How to Study. The desired learning outcome is an appreciation of the ethics, values, and principles that underlie good citizenship which includes integrity, character, and respect for constituted authority. **Upon completion, this course counts as one P.E. credit.**

ATHLETICS

(Each Athletics course is a year-round course.)(Requires coach’s approval)

Junior Varsity Football (9) 6376  
Junior (Boys) Varsity Basketball (9) 6176  
Junior Varsity (Girls) Basketball (9) 6181  
Baseball (Boys) (9-12) 6170  
Cheerleading (9-12) 6250  
Golf (Boys and Girls) (9-12) 6425  
Softball (Girls) (9-12) 6725  
Cross Country & Track (Boys or Girls) (9-12) 6850  
Volleyball (Girls) (9-12) 6900  
Soccer (Boys) (9-12) 6755  
Soccer (Girls) (9-12) 6756  

Coach Paul Averitt  
Coach Demond Garth  
Coach Bruce Hamilton  
Coach Mike Henson  
Coach Shellie Burgreen  
Coach Kevin Shannon  
Coach Rich Dutton  
Coach Kelly Elmore  
Coach Tina Lawrence  
Coach Mitchell Knox  
Coach Michelle Partain
EXAMPLE MATH COURSE SEQUENCE PATHWAYS
(Other combinations are possible)
Students must be enrolled in a mathematics course through all four years of high school.
*Graphing calculator required (TI 84 recommended) # Minimum required for NCAA eligibility
IB diploma students must follow the sequence in the IB section of the catalog.

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<td>Algebra 1-A</td>
<td>Algebra 1-A</td>
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<td>Geometry</td>
<td>Algebra 2 with Trig</td>
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<td>Algebra 1-B</td>
<td>Algebra 1-B</td>
<td>Geometry</td>
<td>Geometry</td>
<td>Algebra 2</td>
<td>Algebra 2 with Trig</td>
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<td>Basic Geometry</td>
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<td>Geometry</td>
<td>Algebraic Connections</td>
<td>Algebra 2</td>
<td>*Pre-calculus</td>
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<td>Algebraic Connections</td>
<td># Algebra 2</td>
<td>Algebra 2 with Trig</td>
<td>*Pre-calculus</td>
<td>*Calculus I</td>
<td>*AP Calculus</td>
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EXAMPLE SCIENCE COURSE SEQUENCE PATHWAYS
(Other combinations are possible)
Students must be enrolled in a Science course through all four years of high school.

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<td>Chem. II</td>
<td>Chem. II</td>
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<td>Physics</td>
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<td>12th Grade</td>
<td>Environmental Science</td>
<td>Any Other Science</td>
<td>Any Other Science</td>
<td>A.P. Chem.</td>
<td>A.P. Bio</td>
<td>A.P. Physics</td>
<td></td>
</tr>
</tbody>
</table>
## DIPLOMA REQUIREMENTS

### INTERNATIONAL BACCALAUREATE DIPLOMA

<table>
<thead>
<tr>
<th>Subject</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Language Arts</td>
<td>English 9, English 10, English 11, English 12</td>
</tr>
<tr>
<td>Mathematics</td>
<td>Algebra I, Geometry</td>
</tr>
<tr>
<td><strong>(2) Additional Math</strong></td>
<td></td>
</tr>
<tr>
<td>Science</td>
<td>Biology, Physical Science, Additional Science</td>
</tr>
<tr>
<td><strong>(2) Additional Science</strong></td>
<td></td>
</tr>
<tr>
<td>Social Studies</td>
<td>World History 9, U.S. History 10, U.S. History 11</td>
</tr>
<tr>
<td><strong>Foreign Language</strong></td>
<td>MYP – ½ Credit 9th Grade, MYP – ½ Credit 10th Grade</td>
</tr>
<tr>
<td><strong>Health Education</strong></td>
<td>(½) Credit</td>
</tr>
<tr>
<td><strong>Fine Art</strong></td>
<td>(½) Credit</td>
</tr>
<tr>
<td><strong>Electives</strong></td>
<td>(6 ½) Credits</td>
</tr>
<tr>
<td>Theory of Knowledge</td>
<td>(12)</td>
</tr>
<tr>
<td><em>Elective of Choice</em></td>
<td></td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>24</td>
</tr>
</tbody>
</table>

### STANDARD DIPLOMA

<table>
<thead>
<tr>
<th>Subject</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Language Arts</td>
<td>English 9, English 10, English 11, English 12</td>
</tr>
<tr>
<td>Mathematics</td>
<td>Algebra I, Geometry</td>
</tr>
<tr>
<td><strong>(2) Additional Math</strong></td>
<td></td>
</tr>
<tr>
<td>Science</td>
<td>Biology, Additional Science, Physical Science</td>
</tr>
<tr>
<td><strong>(2) Additional Science</strong></td>
<td></td>
</tr>
<tr>
<td>Social Studies</td>
<td>World History 9, U.S. History 10, U.S. History 11</td>
</tr>
<tr>
<td><strong>Foreign Language</strong></td>
<td>MYP – ½ Credit 9th Grade, MYP – ½ Credit 10th Grade</td>
</tr>
<tr>
<td><strong>Health Education</strong></td>
<td>(½) Credit</td>
</tr>
<tr>
<td><strong>Fine Art</strong></td>
<td>(½) Credit</td>
</tr>
<tr>
<td><strong>Electives</strong></td>
<td>(6 ½) Credits</td>
</tr>
<tr>
<td>Theory of Knowledge</td>
<td>(12)</td>
</tr>
<tr>
<td><em>Elective of Choice</em></td>
<td></td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>24</td>
</tr>
</tbody>
</table>

### ALABAMA OCCUPATIONAL DIPLOMA

(For students with disabilities whose IEP specifies this diploma...)

<table>
<thead>
<tr>
<th>Subject</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Language Arts</td>
<td>(4) English Credits</td>
</tr>
<tr>
<td>Mathematics</td>
<td>(4) Math Credits</td>
</tr>
<tr>
<td>Science</td>
<td>(4) Science Credits</td>
</tr>
<tr>
<td>Social Studies</td>
<td>(4) Social Studies Credits</td>
</tr>
<tr>
<td>Physical Education</td>
<td>(1) Credit</td>
</tr>
<tr>
<td><strong>Health Education</strong></td>
<td>(½) Credit</td>
</tr>
<tr>
<td><strong>Fine Art</strong></td>
<td>(½) Credit</td>
</tr>
<tr>
<td><strong>Career/Technology</strong></td>
<td>(2) Credits</td>
</tr>
<tr>
<td><strong>Coordinated Studies</strong></td>
<td>(1) Credit</td>
</tr>
<tr>
<td><strong>Community Based Work Training &amp;</strong></td>
<td>(1) Credit</td>
</tr>
<tr>
<td><strong>Transition Electives</strong></td>
<td>Vary by Student IEP must have 24 total credits</td>
</tr>
<tr>
<td><strong>AHSGE</strong></td>
<td>Must take the exam but not required to pass</td>
</tr>
<tr>
<td><strong>(3) Students will move through</strong></td>
<td>this diploma track based on decisions made by the students’ IEP team.</td>
</tr>
</tbody>
</table>
ENDORSEMENT OPTIONS
(Class of 2013 Forward)

In order to receive the following endorsements a student must complete the standard coursework and follow the guidelines for that endorsement.

ADVANCED ACADEMIC ENDORSEMENT W/HONORS
In order to receive this diploma endorsement a student must complete the academic requirements below and maintain a cumulative numerical average of 90.0 or above in the four core subject areas and foreign language courses combined.

**Language Arts - 4 credits**, 2 of the 4 credits must be advanced level courses and the advanced courses must be taken in the 11th and 12th grades. It is recommended that students take 9th and 10th grade advanced classes.

**Mathematics - 4 credits** to include the equivalent of: Algebra I, Geometry, Algebra II w/Trig, One other Math credit

**Science - 4 credits** to include the equivalent of: Biology, Chemistry I and two additional science credits

**Social Studies - 4 credits**, 2 of the 4 credits must be advanced level courses and the advanced courses must be taken in the 10th, 11th and 12th grade.

**Physical Education**; *MYP – ½ Credit 9th Grade, *MYP – ½ Credit 10th Grade

**Health Education**; (½) Credit

**Fine Arts**; (½) Credit required for all students in the 9th grade

**Technology**; min required= (½) Credit

**Foreign Language**; *(2) Sequential Credits

**Electives**; (5 ½) Credits

**AHSGE** Pass 5 of 5 Sections

* One credit of foreign language may be earned in the 8th grade.

ADVANCED ACADEMIC ENDORSEMENT (1ST CHOICE)

**Language Arts** (4)

**Mathematics**; Algebra I, Geometry, Algebra II w/Trig, (1) additional Math.

**Science**; Biology, A Physical Science, (2) Additional Sciences


**Physical Education**; *MYP – ½ Credit 9th Grade, *MYP – ½ Credit 10th Grade

**Health Education**; (½) Credit

**Fine Arts**; (½) Credit required for all students in the 9th grade

**Technology**; min required= (½) Credit

**Foreign Language**; *(2) Sequential Credits

**Electives**; (5 ½) Credits

**AHSGE** Pass 5 of 5 Sections

* One credit of foreign language may be earned in the 8th grade.

ADVANCED CAREER/TECH ENDORSEMENT

To receive this endorsement, the student must complete the same curriculum as the First Choice endorsement along with the following requirements.

**Career/Technology**; (3) Credits

**AHSGE** Pass 5 of 5 Sections

* One credit of foreign language may be earned in the 8th grade.

CAREER/TECH ENDORSEMENT

To receive this endorsement, the student must complete the same curriculum as the Standard diploma along with the following requirements.

**Career/Technology**; (3) Credits

**AHSGE** Pass 5 of 5 Sections

CREDIT BASED ENDORSEMENT

To receive this endorsement, the student must complete the same curriculum as the Standard diploma along the following requirements.

One career and technical course is required prior to graduation.

**AHSGE** Pass 3 of 5 Sections--Reading, Math, and (1) other Section

* If a student has a final course average of 85 or above, they may choose to receive Carnegie credit for the 8th grade course and enroll in the next sequential course. If a student has a final course average between 84 and 60, a waiver signed by their parent or guardian will be required in order to receive Carnegie credit and move to the next sequential course.
10th, 11th, 12th GRADE COURSE GUIDE

ENGLISH DEPARTMENT

All English courses require summer reading. Students taking freshman and sophomore English courses should realize that these courses are important and prepare students for the Graduation Exam that will be administered in the second semester of the sophomore year. All students must pass the Graduation Exam in order to graduate.

All writing submitted as a fulfillment of a requirement for an English course must be free of plagiarism. The works of authors must be either directly quoted and documented or paraphrased and documented. Appropriate academic and disciplinary action will be taken if plagiarism occurs.

SOPHOMORE ENGLISH - 0630 (10-12) is a grade-level course that builds on the grammar skills reviewed in the ninth grade. The student will concentrate on language skills important to writing as well as those needed for the graduation exam, taken in the second semester of the sophomore year. This course also emphasizes library and speech skills. The tenth-grade student will sample American literature and will also study the short story, poetry, and the drama Julius Caesar. The student will read and discuss in class To Kill a Mockingbird and additional novels. Paragraph writing and essays will also build on the writing skills of ninth grade. The student will be assessed on the Alabama course of study and the MYP level 4 standards. Students will also complete a research project. The study of vocabulary and dictionary skills will improve reading comprehension. Summer Reading Assignment – Students taking Sophomore English will read from one of the three novels listed below. *Their Eyes Were Watching God by Zora Neale Hurston *Cold Sassy Tree by Olive Ann Burns *All Over But the Should by Rick Bragg ESL - Sophomore’s read one of the following: Home of the Brave by Katherine Applegate; Walk Two Moons by Sharon Creech; Where the Red Fern Grows, Wilson Rawls

HONORS SOPHOMORE ENGLISH - 0002 (10) is designed primarily for those tenth-grade students who are highly motivated, able to work independently, and read above grade level. This course of study contains an in-depth study and application of composition and grammatical skills necessary for success on the Alabama Writing Assessment and the graduation exam, taken in the second semester of the sophomore year. The course also emphasizes library and speech skills. The literature portion of the course includes a study of early American literature as well as the short story essay, nonfiction (biography and autobiography), drama (Julius Caesar), and poetry. Students will read novels including To Kill a Mockingbird and A Separate Peace. This course requires additional reading assignments, analytical interpretation of literature, in-depth study of literary elements, research skills, higher-level learning, essay questions on tests, and memorization. Journals may be required. Both grammar and literature units will be covered each semester. Student evaluation will be a blend of traditional assessment based on MYP and AP standards and objectives (Note: Three years of Advanced English are required for membership in National Honor Society.) Summer Reading Requirement: Students will choose two of the following novels for summer reading: All Over But the Should by Rick Bragg, Their Eyes Were Watching God by Zora Neale Hurston and Cold Sassy Tree by Olive Burns and will be tested on the two novels the first week of school. Prerequisite: Completion of Freshman English or Honors Freshman English. Students taking Honors Sophomore English and Pre-DP/AP will read two of the following novels: *Their Eyes Were Watching God by Zora Neale Hurston *Cold Sassy Tree by Olive Ann Burns *All Over But the Should by Rick Bragg ESL - Sophomore’s read one of the following: Home of the Brave by Katherine Applegate; Walk Two Moons by Sharon Creech; Where the Red Fern Grows, Wilson Rawls

JUNIOR ENGLISH - 0621 (11-12) is the chronological study of American literature from 1910 to the present with strong emphasis on vocabulary and composition, including the 500-word theme. The course includes a review of basic grammar. Students will be required to read several novels/plays that may include but are not limited to A Raisin in the Sun, The Great Gatsby, and Fahrenheit 451. Oral communication will be stressed through group and individual speaking opportunities. Students must complete a research paper that meets minimum standards of the department. Both grammar and literature units will be studied each semester. Summer Reading Requirement: Students will select one of the following novels: Ethan Frome by Edith Wharton, A Long Way Gone: Memoirs of a Boy Soldier by Ishmael Beah, or In Cold Blood by Truman Capote and take a test on the novel within the first few weeks of school. ESL Junior’s read one of the following: Child of the Owl by Laurence Yep; Tonight on the Titanic by Mary Pope Osborne; The Westing Game by Ellen Kaskin

HONORS JUNIOR ENGLISH - 0003 (11) is for eleventh-grade English students who have mastered basic grammar and writing skills. These students have good reading comprehension and write well. This course emphasizes literature, essay writing and vocabulary development with some grammar review. Oral communication will be stressed through group and individual speaking opportunities. The literature portion for this course includes a study of American literature from 1900 to the present. This course stresses ACT and SAT preparatory skills. Outside reading is required and may include but is not limited to: Night, The Great Gatsby, Fahrenheit 451, and Raisin in the Sun. Students will complete a research paper that meets minimum requirements of the department. Summer Reading Requirement: Students will read two of the following: Ethan Frome by Edith Wharton, In Cold Blood by Truman Capote, A Long Way Gone by Ishmael Beah, Travels with Charlie by John Steinbeck, or Ecology of a Cracker Childhood by Janisse Ray. Students will be tested on the books within the first few weeks of school. Prerequisite: Completion of Sophomore English or Honors Sophomore English.

ADVANCED PLACEMENT ENGLISH 11 - 0010 (11) is designed for highly motivated juniors who have shown interest in the subject area, who enjoy literature and the study of language, and who wish to attempt college-level work while in high school. The course will incorporate fiction and nonfiction selections, emphasizing American authors, and include intensive vocabulary study. The course will emphasize effective writing, critical reading, and analysis of a variety of prose and poetry. The student will learn to gather information, develop a discourse, organize details, and, based on his/her specific audience, control the language. Students will write a research paper using the MLA Style Sheet. A student must complete a research paper that meets minimum requirements of the department in order to pass the course. The student is expected to purchase some resources to be used in this course. In order to receive maximum weighted credit, students must take the AP Language and Composition test. This course will lead into the Advanced Placement course offered the senior year during which the Literature and Composition test will be given in the spring. A summer reading assignment is required. Prerequisite: Completion of Honors Sophomore English. The student and parent/guardian must commit to take the Advanced Placement examination in order to receive AP-weighted credit. The student and the parent/guardian will sign a contract to this effect and will pay the examination fee prior to the end of the second semester. Failure to take the AP exam will disqualify the student from receiving weighted credit.

SENIOR ENGLISH - 0660 (12) is a grade-level course which includes the study of English literature, composition, vocabulary, and grammar. Students will study English literature from the Anglo-Saxon period to contemporary British authors through a variety of genres including poetry, short stories, plays, novels, and essays. The course will include a brief overview of classical mythology. A comprehensive review of grammar will emphasize the structure, syntax, and various types of sentences. Student writings will emphasize the multi-paragraph essay. All students must do a research paper according to department specifications in order to pass the course. Students must complete a research paper that meets the minimum standards of the department. Outside reading will include but is not limited to reading Lord of the Flies and Frankenstein and Things Fall apart. Summer Reading Requirement: Students will select one of the following novels: Pride and Prejudice by Jane Austin, Fallen Angels by Walter Dean Myers, Rebecca by Daphne du Maurier, or A Gathering of Old Men by Ernest Gaines. Students will take a test within the first few weeks of school. ESL students read one of the following: Fallen Angels by Walter Dean Myers; Dragonwings by Laurence Yep; Tuck Everlasting by Natalie Babbit.
HONORS SENIOR ENGLISH - 0004 (12) is designed for the student who performs above grade level in English. This course includes a survey of British literature from the Anglo-Saxon period to contemporary British authors. The student will have the opportunity to review and refine his/her technique in composition, critical analysis, personal essays, and several other types of expository prose. A research paper on a literary topic is required to pass the course. The paper must be at least four pages in length, following a MLA Style Sheet. Outside reading will include Lord of the Flies, Frankenstein, and other novels as well as tales from mythology. Both grammar and literature will be covered each semester. (Note: Three years of Advanced English are required for membership in the National Honor Society.) Summer Reading Requirement: Students will read Wuthering Heights by Emily Brontë and 1984 by George Orwell and will be tested on the books within the first week of school. Prerequisite: Completion of Junior English, Honors Junior English, or AP English 11. ESL students read one of the following: Senior: Fallen Angels by Walter Dean Myers; Dragonwings by Laurence Yep; Tuck Everlasting by Natalie Babbit.

ADVANCED PLACEMENT ENGLISH 12 - 0015 (12) is designed for the highly motivated senior student who has shown interest in the subject area, who enjoys literature, and who wishes to attempt college-level work while in high school. In addition to English literature, the course will include world masterpieces of recognized literary merit and vocabulary study. The principle emphasis will be on writing and thinking skills. The class will demand daily work as well as long-term projects. Most writing assignments will focus on the critical analysis of literature. Students will write and complete a 6-8 page research paper on a literary topic following the MLA Style Sheet in order to pass the course. Outside reading is a requirement and will include various novels/plays. This course is preparation for the Advanced Placement Literature and Composition test which is given in the spring. This course is offered to qualifying students as a dual credit with Austin High School and Calhoun Community College. A summer reading assignment will be announced in May and will be due the first day of school. Prerequisite: Completion of AP English 11 or Honors Junior English. The student and parent/guardian must commit to take the Advanced Placement examination in order to receive AP Weighted Credit. The student and the parent/guardian will sign a contract to this effect and will pay the examination fee prior to the end of the second semester. Failure to take the AP exam will disqualify the student from receiving weighted credit.

ENGLISH ELECTIVES:

JOURNALISM - 0511 (10-12) (Accent) (Teacher permission only) is the production of six school newspapers each year. Each student will study the journalism area in which he/she is most interested. This class will be responsible for writing news stories, features, and editorials, selling advertising, taking pictures, preparing copy, proofreading, preparing layouts, and circulating the paper. This course is an elective credit and not an English credit.

CREATIVE WRITING / JOURNALISM - 0798 Creative Writing Newspaper - Magazine journalism: This course is designed for students who wish to pursue a degree in English or journalism, and it will focus heavily on writing creatively for print publications. Those interested should be proficient in grammar and writing, as well as enrolled in an advanced English class.

ACT PREP 9061 - This is a semester course for Juniors (2nd semester) and seniors (1st semester) only. Each student should be sure to select a half credit course to go with this course. It is for students interested in raising their scores on the ACT.

APPLIED JOURNALISM - 0191 (10-12) (Bruin) (Teacher permission only) exposes students to the principles of layout design, copy writing, editing, photography (basics), photo preparation, and caption writing. By meeting deadlines, students will learn to work under time pressure. Their main responsibility will be to prepare the school yearbook for publication. This includes duties involving photo scheduling, yearbook sales, and fundraising activities. This course is an elective credit and not an English credit.

COMPUTER E-LAB ASSISTANT - (# to be entered by office) (11-12) An assistant will be selected for each period to maintain the computer lab in the E-building. An assistant's responsibilities include, but are not limited to, the following: maintaining the lab and reporting any computer problems, monitoring student use of the computer lab, aiding students and teachers using the lab, maintaining adequate records of students using the lab, starting and shutting down computers in the lab, and keeping the computer lab clean and neat. Any student interested in being a lab assistant in the E-lab must see Mrs. Baggett in room E-9 for an application.

SCIENCE DEPARTMENT

PHYSICAL SCIENCE - 3220 (10) is a core science course designed as an inquiry-based introduction to the basic concepts and skills of chemistry and physics. Students will be required to perform laboratory investigations, problem-solving activities, keep records, make reports, present oral and written projects, and participate in discussions regarding the results and conclusions of scientific investigations. When taken at the high-school level, Physical Science fulfills the physical science core for either diploma. Students who successfully completed Physical Science (8th grade) are recommended for Pre-DP Chemistry (10) or Chemistry I. Prerequisite: Successful completion of Biology or Honors Biology. Credit in Pre-DP Physical Science precludes credit in this course.

PRE-DP CHEMIS - 3192 (10) is a core science course designed as an inquiry-based physics and chemistry course. This course is recommended as accelerated preparation for mathematically advanced, highly motivated students interested in Advanced Placement Sciences and/or International Baccalaureate Courses. Students will be required to develop and use skills related to critical thinking, communication, mathematical modeling, and use of technology in scientific investigations. Course requirements will include, but may not be limited to, performing and presenting an integrated science project(s), writing research papers, and performing community service projects related to course topics. Prerequisite: Successful completion of Biology or Honors Biology and Algebra I. Credit in Pre-DP Physical Science precludes credit in this course.

CHEMISTRY - 3140 (10-12) is a core science course with content that defines the fundamental knowledge and skills necessary for students to develop an understanding of the most basic chemistry concepts associated with structure, form, availability and use of matter and energy. Students will be required to perform laboratory investigations, problem-solving activities, keep records, make reports, present oral and written projects, and participate in discussions regarding the results and conclusions of scientific investigations. Prerequisite: Successful completion of Physical Science and Algebra I. Credit in Pre-DP Physical Science precludes credit in this course.

PHYSICS - 3220 (11-12) is a core science course with content that addresses the properties of physical matter, physical quantities, and their relationships. Studies include, but may not be limited to, mechanics, waves, light, sound, electricity and magnetism. Students will be required to perform laboratory investigations, problem-solving activities, projects, and participate in discussions regarding the results and conclusions of scientific investigations. Prerequisites: Successful completion of Physical Science or Chemistry and must have completed Algebra II with trigonometry. A student wanting to take physics and be concurrently taking Algebra II with trigonometry needs to get approval from the physics teacher before taking this course.

CHEMISTRY II - 3150 (11-12) is a third-level physical science course that focuses and expands upon more advanced topics than may have been addressed in Chemistry (3140). Most notable of these topics are equilibrium, thermo-chemistry, kinetics, electrochemistry, nuclear chemistry, and organic chemistry. Prerequisite: Completion of Chemistry I with teacher approval.
ANATOMY & PHYSIOLOGY - 3405 (11-12) is an elective biological science with content related to the structure and function of the components of the human body. Studies include, but may not be limited to, structure and function of cells, tissues, and organs; organization of the human body; biochemistry; skeletal, muscular, nervous, endocrine, digestive, respiratory, cardiovascular, integumentary, immune, urinary, and reproductive systems. Students will be required to perform laboratory investigations, problem-solving activities, keep records, make reports, present oral and written projects, and participate in discussions regarding the results and conclusions of scientific investigations. Prerequisites: Successful completion of Physical Science, Biology or Honors Biology. Credit in Honors Anatomy & Physiology precludes credit in this course.

ENVIRONMENTAL SCIENCE - 3102 (11-12) is an elective science course emphasizing a broad view of the biosphere and the physical parameters that affect it. Studies include, but are not limited to, energy resources, environmental quality, and human practices and their effect on the environment. Students will be required to perform laboratory investigations, problem-solving activities, keep records, make reports, present oral and written projects, and participate in discussions regarding the results and conclusions of scientific investigations. Prerequisites: Biology and one of the following: Physical Science, Pre-DP Physical Science, And Chemistry.

EARTH & SPACE SCIENCE - 3105 (11-12) - is an elective science course emphasizing an advanced study of Earth and perspectives of the universe from Earth as well as future challenges and technologies required for space exploration. Students will be required to perform laboratory investigations, problem-solving activities, keep records, make reports, present oral and written projects, and participate in discussions regarding the results and conclusions of scientific investigations. Prerequisites: Biology and one of the following: Physical Science, Pre-DP Physical Science or Chemistry.

ENVIRONMENTAL FIELD STUDIES - 3423 (12) for the outdoor type and those truly interested in learning about the environment, an exciting new course taught at Wetlands Edge Environmental Center (WEEC). The course combines a select group of students from both Decatur and Austin High Schools to embark on a unique learning experience - a class that gets you directly involved through field work. This is an advanced biology course that will offer college-level preparation for career minded students and practical experience for those less inclined. Much of the course will be conducted in the field where activities include wading water using nets and seines, handling organisms, specimen collecting, bio-assessment, water testing, hiking, orienteering, wildlife inventory, and generally getting wet and dirty. The course will emphasize studies of various aquatic habitats and their associated wildlife and will include a variety of other field experiences in ichthyology, herpetology, and ornithology. Students may also be involved in the life support and husbandry of the many organisms housed in the center. Class will require a strong commitment from students to conduct these kinds of studies that can only be taught 7th period and that extend beyond regular school day by a half hour or more (flexibility with your employer if you work). Some optional nocturnal studies are also planned. Any twelfth-grade student that meets the prerequisites and who has a driver’s license can be responsible for their own transportation to the WEEC. Student must complete a form (obtained from science department chairman) in order to be considered. Prerequisites: Biology or Honors Biology, Chemistry I or Pre-DP Physical Science, form with teacher recommendation, and driver’s license.

NOTE: In the event that AP Science classes are combined with IB Science classes, students will fulfill requirements set for both courses.

ADVANCED PLACEMENT BIOLOGY - 3018 (11-12) is an introductory course for both science and non-science majors. It covers physical, chemical and biological principles common to all organisms. These principles are explained through a study of cell structure and function, cellular reproduction, basic chemistry, cell energetics, photosynthesis and Mendelian and molecular genetics. Also included are an overview of viruses, prokaryotes and protists, basic principles of ecology, plus a survey of plant and animal diversity including their classifications, morphology, physiology and reproduction. Upon completion of the course, students will be expected to take the AP exam and with an acceptable score may receive credit from the college in which they enroll. A summer assignment will be required. Prerequisites: Completion of Biology or Honors Biology, and Chemistry or Pre-DP Physical Science. The student and parent/guardian must commit to take the Advanced Placement examination in order to receive AP weighted credit. The student and the parent/guardian will sign a contract to this effect and will pay the examination fee prior to the end of the second semester. Failure to take the AP exam will disqualify the student from receiving weighted credit.

ADVANCED PLACEMENT CHEMISTRY - 3020 (11-12) is equivalent to two semesters of freshman college-level general chemistry, including laboratory experience. It is specifically designed to prepare students to take the National AP Chemistry Exam, usually administered in May. Most colleges will grant some credit and/or placement for a minimum score, although students should check with their colleges as they are attending. Prerequisites: Completion of Chemistry I or Pre-DP Physical Science, and Algebra II with Trigonometry. The student and parent/guardian must commit to take the Advanced Placement examination in order to receive AP weighted credit. The student and the parent/guardian will sign a contract to this effect and will pay the examination fee prior to the end of the second semester. Failure to take the AP exam will disqualify the student from receiving weighted credit.

AP PHYSICS C - 3421 (11-12) is an Advanced Placement science course that studies Newtonian mechanics. Methods of calculus are used wherever appropriate in formulating physical principles and in applying them to physical problems. It is required that the student must have completed or be concurrently enrolled in a calculus class. It is equivalent to an introductory college course in mechanics for physics or engineering majors. The student and parent/guardian must commit to take the Advanced Placement examination in order to receive AP weighted credit. The student and the parent/guardian will sign a contract to this effect and will pay the examination fee prior to the end of second semester. Failure to take the AP exam will disqualify the student from receiving weighted credit.

FOR AP PHYSICS B - 3420 (11-12) Algebra II with trigonometry based physics course that includes Newtonian mechanics, waves, sound, optics, thermal dynamics, fluids, electricity and magnetism, atomic and nuclear physics. Methods of instruction include lecture, problem solving, projects, and experimentation. AP Physics B is a college level course and is designed for the student that enjoys academic challenges and a broader range of topics. Upon completion of this course, students will be expected to take the AP exam and with an acceptable score may receive credit from the college in which they enroll. Prerequisite: Completion of Algebra II with Trigonometry and teacher approval. Credit in AP Physics B fulfills a science elective requirement for either diploma. The student and parent/guardian must commit to take the Advanced Placement examination in order to receive AP weighted credit. The student and the parent/guardian will sign a contract to this effect and will pay the examination fee prior to the end of second semester. Failure to take the AP exam will disqualify the student from receiving weighted credit.

MARINE BIOLOGY - 3005 (11-12) is an elective science course that emphasizes the world’s oceans. Studies include, but are not limited to, marine organisms, ecosystem dynamics, physical characteristics of the oceans, and the human impact on oceans. Students will be required to perform laboratory investigations, problem solving activities, keep records, make reports, present oral and written projects and participate in discussions regarding the results and conclusion of scientific investigations. Prerequisites: Successful completion of Biology and Pre-AP/DP Biology and Physical Science or Chemistry.

SCIENCE-LAB ASSISTANT – (# to be entered by office) (12). An assistant will be selected for each period to maintain and help set up the labs in the Science classes. An assistant’s responsible include, but are not limited to, the following: maintaining the lab and reporting any problems, monitoring student use of the lab, aiding students and teachers using the lab, maintaining adequate, and records of students using the lab and keeping the lab clean and neat. Any student interested in being a lab assistant must see Mrs. Clark for an application.

SOCIAL STUDIES DEPARTMENT

UNITED STATES HISTORY: BEGINNINGS TO 1877 - 2706 (10) is a course covering the historic development of American ideas and institutions from the Age of Exploration to 1877. While focusing on political and economic history, the course provides students with a basic knowledge of American culture through a chronological survey of major issues, movements, people and events in United States and Alabama history. Major topics include pre-discovery, the colonial era, creating a nation, expansion, Civil War and Reconstruction.
HONORS UNITED STATES HISTORY: BEGINNINGS TO 1877 - 2706 (10) is an accelerated alternative to regular-grade history, covering the same material but requiring more written assignments (a minimum of 2 per semester), outside reading and historical research. These courses require the ability to read above grade-level textbooks. Teacher recommendation is required.

ADVANCED PLACEMENT AMERICAN HISTORY 10 - 2005 (10) is an above grade-level class equivalent to an introductory college course in early United States history through Reconstruction. The students will evaluate historical materials to weigh the evidence and interpretation presented by historical research. The students will analyze the political, social, economic, literary and cultural history of the United States. Students will participate in discussion, write essays and use primary sources to write document-based questions (a minimum of 2 timed writings each 6 weeks). This course requires the ability to comprehend college level material, to synthesize new information and be a self-motivated learner. It is expected that students signing up for AP 10 will continue with AP 11 or the IB Diploma History of the Americas. Summer reading is required. Teacher recommendation required.

UNITED STATES HISTORY: 1877 - PRESENT - 2709 (11) is a required class that continues the study of United States history begun in the tenth grade. The eleventh-grade component focuses on Post Reconstruction America with a concentration on Alabama. Knowledge and understanding gained during previous years of study provide the foundation for the critical analysis required in this course. The course is divided into the following topics:

- The Emergence of Modern America
- The Great Depression and WWII
- Post-War United States
- Contemporary United States

ADVANCED PLACEMENT AMERICAN HISTORY 11 - 2001 (11) is an above grade-level class equivalent to an introductory college course in United States history, reconstruction through current times. The students will evaluate historical materials to weigh the evidence and interpretation presented by historical research. The students will analyze the political, social, economic, literary and cultural history of the United States. Students will participate in discussion, write essays and use primary sources to write document-based questions (a minimum of 2 timed writings each 6 weeks). This course requires the ability to comprehend college level material, to synthesize new information and be a self-motivated learner. Summer reading is required. Prerequisite: Students must have passed the social students portion of the AHSSE, have taken AP 10 US History and be enrolled in Honors or AP English. This course must be signed for by Coach Ray in room 103. The student and parent/guardian must commit to take the Advanced Placement examination in order to receive AP weighted credit. The student and the parent/guardian will sign a contract to this effect and will pay the examination fee prior to the end of the second semester. Failure to take the AP exam will disqualify the student from receiving weighted credit.

AMERICAN GOVERNMENT - 2180 (12) is a one-semester required class that gives seniors a detailed understanding of the function and practical workings of government at all levels in the nation. While a great deal of factual information is necessary in this course, students should also acquire an appreciation and understanding of what it means to be a citizen. The students will focus on 4 different topics for this course:

- Representative Democracy
- Federalism
- Political and Civic Life
- International Relations Social participation provides an opportunity to practice democratic ideals and citizenship.

ECONOMICS - 2160 (12) is a required one-semester survey course for twelfth graders covering macro and micro economics. It introduces economic theory and provides students with a broad knowledge of modern day world economic systems, in particular the American capitalist system. Economics includes the use and interpretation of charts, graphs, tables and other statistical information. Students apply their understanding of basic economic concepts and skills to analyze current issues and problems.

ADVANCED PLACEMENT MACROECONOMICS - 2003 (12) (Teacher approval required) is a one-semester macro economics' course. The focus of study is the U.S. capitalist system. The content will help students develop critical thinking skills through the understanding, application and analysis of fundamental economic concepts. Students will weigh the merits of different economic theories and understand the divergent policies that ensue. This course will illustrate the derivation of major statistical measures and how to use models, such as graphs, to predict the outcome of domestic and foreign policy decisions. College credit may be earned through the A.P. exam. Students signing up for A.P. Economics will be required to take A.P. Government also for their twelfth-grade social studies credit. Students need to have completed one mathematics course beyond geometry. The student and parent/guardian must commit to take the Advanced Placement examination in order to receive AP weighted credit. The student and the parent/guardian will sign a contract to this effect and will pay the examination fee prior to the end of the second semester. Failure to take the AP exam will disqualify the student from receiving weighted credit.

ADVANCED PLACEMENT GOVERNMENT AND POLITICS - 2002 (12) (Teacher approval required) is a one-semester accelerated government course designed to give students critical perspectives on government and politics in the United States. This course involves both the studies of general concepts used to interpret American politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that make up the American political reality. The students will focus on five different topics for this course:

- Constitutional Underpinnings of American Government
- Political Beliefs and Behavior
- Political Parties and Interest Groups
- Institutions and Policy Processes of National Government
- Civil Rights and Civil Liberties

Students will be required to provide an outside reading book. Students signing up for A.P. Government will be required to take A.P. Economics. The student and parent/guardian must commit to take the Advanced Placement examination in order to receive AP weighted credit. The student and the parent/guardian will sign a contract to this effect and will pay the examination fee prior to the end of the second semester. Failure to take the AP exam will disqualify the student from receiving weighted credit.

SOCIAL STUDIES ELECTIVES:

PSYCHOLOGY (2220) (11-12) acquaints students with psychological theories, principles, and practices associated with 5 major subfields of this field of study: methods, bio-psychological, developmental, cognitive, and socio-cultural. The study of psychology requires a flexible, investigative classroom environment that allows for experimentation and participatory activities. Students are encouraged to use critical thinking skills employed by psychologists in the practice of their science. This course is one semester in length and may be paired with Sociology.

SOCIOLOGY (2460) (11-12) is the study of human society that focuses on the formation and action of human groups. A general study of sociology includes topics such as culture and society, social inequality, social institutions, and social change. The topics included in this course require students to possess a general knowledge of the world in which they live and an understanding of how individuals interact in various kinds of groups. Students are challenged to actively research and discuss the influence of genetics, demographics, religion and personal behaviors upon society. This course is one semester in length and may be paired with Psychology.
CONTEMPORARY WORLD AFFAIRS (2155 - 9th & 10th)(2150 - 11th & 12th) is an elective course for 9th-12th graders designed to acquaint students with current events of state, national and international interest. Students acquire skills for collecting information, using primary sources, analyzing editorials, forming opinions and reflecting upon the patterns of history and the implication of current events for the U.S., Alabama, and the individual. This course may be taken for one semester or for the entire year.

AFRICAN-AMERICAN HISTORY - (0145) (10-12) provides students with an opportunity to learn about the history of the world from an African-American point of view. The units covered will include but not be limited to: the beginning of civilization in East Africa, slavery in West Africa, life on an American Plantation, the American Civil War, and Reconstruction, segregation in America, the Civil Rights Movement, and the meritocracy society. This is a year-long course.

S-LAB COMPUTER ASSISTANT – (to be entered by office) (11-12) An assistant will be selected for each period to maintain the computer lab in the S-building. An assistant’s responsibilities include, but are not limited to, the following: maintaining the lab and reporting any computer problems, monitoring student use of the computer lab, aiding students and teachers using the lab, maintaining adequate records of students using the lab, starting and shutting down computers in the lab, and keeping the computer lab clean and neat. Any student interested in being a lab assistant in the S-lab must see Mrs. Burgreen.

MATHEMATICS DEPARTMENT

ALGEBRA IB - 1119 (10-11) is a continuation of Algebra IA. It is a study which concentrates on the concepts covered in the second half of Algebra I course. This includes, but is not limited to, the application of fractions, percent problems, functions, simple radicals, graphing linear equations, negative exponents, systems of linear equations, inequalities, quadratic equations, quadratic formula, and word problems with one variable. Successful completion of Algebra IB completes the state-mandated Algebra credit for graduation. Prerequisite: Successful completion of Algebra IA.

BASIC GEOMETRY - 1122 (11-12) is a course designed to satisfy the state requirement for high school geometry credit. This course will include, but is not limited to, the study of plane and solid geometry. Prerequisite: An algebra equivalency credit and teacher placement. Note: Credit in Geometry precludes credit in this course.

GEOMETRY - 1380 (9-12) is an honors level course for the highly motivated student. Content includes a study of plane, solid, space, and coordinate geometry. The major topics covered during the first semester include a study of the basic concepts of geometry, types of reasoning, deductive proofs, angle relationships, parallel lines, congruent triangles and their applications, similar polygons, and quadrilaterals. During the second semester, right triangles, circles, loci, constructions, area of plane and solid figures, volume of solid figures, applications and proof in coordinate geometry, and transformations will be studied.

ALGEBRAIC CONNECTIONS - 1110 (10-12) provides students with a bridge to courses beyond the level of Algebra I and Geometry and to the mathematical empowerment needed to make responsible financial and economic decisions. It is designed for students who need additional mathematical experiences prior to enrollment in Algebra II, with or without Trigonometry, and for students who will become a culminating high school mathematics course. Algebraic Connections extends the scope of content of the prerequisite courses, integrating topics from algebra, geometry, measurement, and probability and statistics with an emphasis on real-world applications. Opportunities are provided to incorporate the use of technology through the emphasis on using functions to make real-life predictions and to calculate outcomes. Prerequisite: A Geometry and teacher recommendation.

ALGEBRA II - 1200 (12) is designed to extend students' algebraic knowledge and skills. Students are encouraged to solve problems using a variety of methods that promote the development of improved communication skills and foster a deeper understanding of the subject matter. To help students appreciate the power of algebra, applications involving real-life situations are incorporated throughout the course. In contrast to Algebra II with Trigonometry, Algebra II without Trig does not meet the graduation requirements for the Advanced Diploma because it does not contain an in-depth study of trigonometry. Furthermore, it does not provide sufficient background to prepare students to pursue higher-level mathematics courses such as Algebra III with Statistics or Pre-calculus. It is, therefore, a twelfth-grade mathematics course. Prerequisite: Algebra I, Geometry, and teacher recommendation. Note: Students cannot receive credit for both Algebra II and Algebra II with Trigonometry. This is a terminating course reserved for seniors only.

ALGEBRA II/TRIG - 1210 (10-12) 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. Sequences and series, complex numbers, exponential and logarithmic functions, and matrices are introduced. Statistics and probability topics include determination of regression line and application of counting principles. Problem solving is integrated into all topics of Algebra II/Trig. It is required for all students seeking the Advanced Diploma and is considered essential for all college-bound students.

PRE-CALCULUS - 1600 (11-12) is a course which includes the topics of trigonometric functions, trigonometric identities and formulas, circular functions and their inverses, polar coordinates, and graphs of trigonometric functions. The advanced algebra topics included are polynomial functions and their graphs, complex numbers, vectors, matrices and determinants, sequences and series, inverse functions, conics, limits, data analysis and probability. Prerequisite: Algebra I, Geometry, and Algebra II/Trig.

ALGEBRA II/STATISTICS - 1114 (11-12) offers students the opportunity to expand their algebraic knowledge. It also provides a structured introduction to probability and statistics. Given the increased importance of statistics in understanding and evaluating the vast amounts of data encountered in everyday life, a strong emphasis is placed on collecting, organizing, analyzing, and interpreting data. In addition to the focus on probability and statistics, real-life mathematical situations are analyzed through the study of polar graphing, linear programming, and trigonometric and exponential equations. Prerequisite: Algebra I, Geometry, Algebra II/Trig, and Pre-calculus.

ADVANCED PLACEMENT CALCULUS - 1260 (12) covers elementary functions and introductory calculus. The course is intended for students who have already studied college preparatory mathematics: algebra, trigonometry, and analytic geometry (rectangular and polar coordinates, equations and graphs, lines and conics). The major topics covered include elementary functions (algebraic, trigonometric, exponential, and logarithmic), properties of particular functions, limits, continuity, differentiation of functions, applications of the derivative, anti-derivatives, techniques of integration, and applications of the integral. A graphing calculator from a list approved by the College Board is required at an approximate cost of $90 - $200, depending on the calculator. Prerequisites: Pre-calculus and teacher recommendation. The student and parent/guardian must commit to take the Advanced Placement examination in order to receive AP weighted credit. The student and the parent/guardian will sign a contract to this effect and will pay the examination fee prior to the end of the second semester. Failure to take the AP exam will disqualify the student from receiving weighted credit.

MTH 125 CALCULUS I - 1155 (12) is a college calculus course. It is taught with the option of DUAL ENROLLMENT with Calhoun Community College on our campus and offered to seniors only. For more information, please see your guidance counselor. Pre-requisite: Algebra I, Geometry, Algebra II/Trig, Pre-calculus, teacher recommendation, and approval by the Principal.
FOREIGN LANGUAGE

FRENCH

FRENCH I - 4100 (9-12) Students will be introduced to the French language and cultures of France and other French-speaking nations. Basic skills are stressed in the areas of speaking, listening, reading, and writing in French. The acquisition of vocabulary is especially emphasized. Students will be expected to speak French and to participate in activities with other students. Students must have a C average or higher in English.

FRENCH II - 4150 (10-12) Students build upon the vocabulary and basic grammar taught in French I to become more proficient. Students become more adept in creating with language. Students must purchase a French/English dictionary. Prerequisite: A C average or higher in French I is recommended.

PRE- DP FRENCH II - 4151 See IB descriptions at the end of the book

FRENCH III - 4200 (11-12) Students continue to build communicative skills, review grammar, and gain more insight into French culture, including art and history. Prerequisites: The successful completion of French II, and the recommendation of former instructors.

IB FRENCH 11 - 4251 (11) – See IB descriptions at the end of the book

FRENCH IV - 4250 (12) Students will become highly proficient. Students will improve their communicative competence through the study of French history, art, literature, and culture. Prerequisite: The successful completion of French III and the recommendation of former instructors.

IB FRENCH 12 - 4252 (12) See IB descriptions at the end of the book

NOTE: In the event that French IV classes are combined with IB French classes, students will fulfill requirements for both courses.

SPANISH

SPANISH I - 4500 (9-12) Students will be introduced to the Spanish language and culture of Spanish-speaking nations. Basic skills are stressed in the area of speaking, listening, reading, and writing in Spanish. The acquisition of vocabulary is especially emphasized. Students will be expected to speak Spanish and to participate in activities with other students. Students must have a C average or higher in English.

SPANISH II - 4550 (10-12) Students build upon the vocabulary and basic grammar taught in Spanish I to become more proficient. Students become more adept in creating with language. Students must purchase a Spanish/English dictionary. Prerequisite: A C average or higher in Spanish I is recommended.

PRE-D P SPANISH II - 4551 See IB descriptions at the end of the book

SPANISH III - 4600 (10-11-12) Students continue to build communicative skills, review grammar, and gain more insight into Spanish culture and civilization. Prerequisite: The successful completion of Spanish II, and the recommendation of former instructors.

PRE-D P SPANISH III - 4601 See IB descriptions at the end of the book

IB SPANISH 11 - 4702 See IB descriptions at the end of the book

SPANISH IV - 4650 (11-12) Students will become highly proficient. Students will improve their communicative competence through the study of the history, art, literature, and cultures of Spanish-speaking nations. Prerequisite: The successful completion of Spanish III and the recommendation of former instructors.

AP SPANISH - 4701 (12) Course work is conducted primarily in Spanish. Content includes extensive reading of Spanish literature in Spanish, in depth study of Spanish and Hispanic culture and history, as well as composition of essays in Spanish. The student will exhibit skill levels of reading, speaking, listening and writing consistent with those in sophomore level college classes by the completion of this fourth year of Spanish. Students will be required to purchase books and workbooks. This course is weighted 10 points for students who take the AP exam. Prerequisite: The successful completion of Spanish III, and the recommendation of former instructors. The student and parent/guardian must commit to take the Advanced Placement examination in order to receive AP weighted credit. The student and the parent/guardian will sign a contract to this effect and will pay the examination fee prior to the end of the second semester. Failure to take the AP exam will disqualify the student from receiving weighted credit.

IB SPANISH 12 - 4703 See IB descriptions at the end of the book

SPANISH V - 4700 Students continue to improve their communicative competence. Course work is primarily in Spanish. Prerequisite Spanish IV

NOTE: In the event that AP Spanish classes are combined with IB Spanish classes, students will fulfill requirements set for both courses.

ART

ART APPRECIATION I - 5134 (9) - This course introduces students to visual arts and helps them develop an awareness of the creative process and art media. Students will learn to understand and critique art and learn about the elements and principles of art and the art of various cultures. Students will also develop works of art in a range of media. This is an introductory course for students who may have limited experience with the arts and are not eligible to take Art I. *This course is one semester in length. This course cannot be counted as the prerequisite for any advanced art course.

ART APPRECIATION II - 5891 (10) Western Art - Students will expand their knowledge from Art Appreciation I while learning about the canon of western art history. Students will discover how symbolism is used in art, how art is used to communicate complex ideas, and how to understand art of the 20th century. Students will also use the elements and principles of art to develop works of art in a range of media. Prerequisite: Art Appreciation I or Art I. This course can be counted as the prerequisite for Photography or Film & Video Production. *This course is one semester in length.
ART II - 5131 (10-12) Art history since 1945, the art of world cultures, intermediate drawing and painting, printmaking, ceramics, sculpture, textiles, and critique is taught in this course. Emphasis is placed on the principles of art, development of the composition, exploration of color and value relationships and their association with the quality of light, self-expression, three-dimensional composition, and functional art. This is an MYP level 5 course. Prerequisite: Both semesters of Art I & Teacher recommendation. *This course is a full-year course.

ART III - 5132 (11-12) A goal of the course is for students to learn to draw expressively with human figure. Advanced painting will include work from observation using the figure, landscapes, still-life and environments, and art historical sources. Basic principles of color, design, composition, structure, figure-ground relationships, line, value, and form are applied to more challenging painting and drawing experiences. *Teacher permission required. *This course is a full-year course.

ART IV - 5128 (12) Advanced art course that concentrates on developing advanced skill with at least three visual arts media; organizing subject matter into meaningful and expressive composition; and producing a thematically related body of work. *Teacher permission required. *This course is a full-year course.

AP ART - 5138 (12) Students will identify a single theme; develop it through sketches, journals, and individual and group critiques. A series of finished drawings and paintings will be completed. Students must be highly motivated and willing to devote the time needed to expand and challenge their visual thinking process and abilities. Twenty-four works will be produced as a portfolio for evaluation at the end of the year. Prerequisite: Art I, Art II. *Teacher permission required. The student and parent/guardian will sign a contract to this effect and will pay the examination fee prior to the end of the second semester. Failure to take the AP exam will disqualify the student from receiving weighted credit.

AP ART HISTORY - 5139 (11-12) No prior art experience is necessary. AP Art History is a college level survey course that includes the traditional history of European art as well as the art of other cultures worldwide. Students will learn to analyze artwork visually as well as contextually, taking into consideration factors such as patronage, religion, polities, class, function, gender, and ethnicity. This class is recommended for 11th and 12th graders who have done well in a humanities survey course such as History or Literature and are ready for college level work. *Teacher recommendation required (Social Studies, English, or Art). *This course is a full-year course.

GRAPHIC DESIGN - 7699 (10-12) Students will develop a basic knowledge and understanding of the graphics arts field, its processes and procedures, as well as the production of computer generated images and designs. The course concentrates on the designing of all categories of print media including flyers, brochures, book covers, posters, etc. Basic 2D animation and sequencing are also studied. Prerequisite: Art I. *Teacher permission required.

PHOTOGRAPHY - 5610 (11-12) Students are introduced to photographic practices and techniques within a creative studio environment. The primary objective of the course is to provide students with intensive hands-on technical experience with B&W photography while also familiarizing them with the critical and theoretical debates surrounding photography in general. The technical challenges of each assignment should be met with maximum creativity as there will be an equal emphasis on the aesthetic dimensions of the work. Students will be asked to consider a wide range of new genre imaging practices, including digital imagery. 35mm camera required. It must be a Manual camera or an Automatic camera with a Manual setting. Prerequisite: Art I. *Teacher permission required.

VIDEO PRODUCTION/Writing/Critique - 5856 (10-12) This class will promote learning in the area of video production, script writing, and cinema critique. Students will write scripts based on industry formats and critique works by past and present artists in the field of movie production. Students will gain knowledge of writing, producing, budgeting, and editing process of current cinematic markets. Student groups will write and select a script, produce and edit a video as a final project. Prerequisite: Art I and *Teacher permission required.

DRAMA

INTRODUCTION TO DRAMATICS - (0293 – full year course). (0290 a semester course) (9-12) Drama teacher recommendation required. This is a general dramatics instruction introducing basic theatrical terminology, theatre history, stage directions, and theatre appreciation. This course includes opportunities for a student to gain self-confidence through improvisation activities and theatre games. MANDATORY attendance at all Austin theatrical productions is required. Excellent class to fulfill fine arts credit, but will not count as an English credit.

INTERMEDIATE DRAMATICS - 0294 (9-11) By audition and teacher recommendation only. This is for students interested in being a part of the Austin Drama Department throughout high school. This is an in depth dramatics instruction using theatrical terminology, stage direction, artistic interpretation, and speech to create live performance. Participation in improvisation, monologues, duet and group scenes will be stressed. An optional field trip to see a live theatrical performance will be offered. Students may participate in statewide theatre competition. MANDATORY attendance at the Austin theatrical productions is required. Counts as a fine arts credit, but not an English credit.

ADVANCED DRAMATICS - 0295 (10-12) either Intro or Intermediate Dramatics class required. Drama teacher approval only, for students continuing in the Austin Drama Department. This is a more in-depth introduction and application of theatrical principals and acting techniques, as well as theatre activities including group and individual projects. Greater hands-on opportunities in the technical areas of theatre production with a concentration on Drama Department shows. Students may participate in statewide theatre competition, but MANDATORY participation in Austin Drama productions required. Counts as a Fine Arts credit, but not an English credit.

STAGE PRODUCTION - 0296 (10-12) Either Intermediate or Advanced Dramatics class required. Drama teacher approval only. For students interested in the behind-the-scenes aspect of theatre. Individualized and independent study of dramatic/comedic/musical theatre scripts and the planning of a large scale production. Additional hands-on experience in various elements of technical theatre. Students will help with Austin Drama Department productions. Students may audition for all Austin plays if desired. Students may participate in statewide theatre competition, but MANDATORY participation in Austin Drama productions required. Counts as a Fine Arts credit, but not an English credit.

MUSIC

MUSIC APPRECIATION - 5521 (9-12) a one semester course in FINE ART. Study will include various elements of music such as: sound, pitch dynamics, voices, instruments, rhythm, melody, harmony, and musical form. It will involve different periods, styles, artists, and composers. This will include music theory and personal voice training sessions, which will teach vocal technique using exercises and principles of singing.

SYMPHONY BAND - 5135 (9-12) (Teacher permission only) is one of the performing instrumental ensembles offered at Austin. It consists of students in grades 9-12 who have passed an audition by the director and whose instrumental ability is on or above the A level. The marching band performs for all football games, homecoming parade, Christmas Parade, and special community activities. The band actively participates in District and State Band Festivals, and usually one out-of-state competition. The individual students are required to participate in Solo and Ensemble Festival and strongly encouraged to participate in All-State Band auditions.

CONCERT BAND - 5136 (9-12) (Teacher permission only) is one of the performing instrumental ensembles offered at Austin. It consists of students in grades 9-12 who have passed an audition by the director and whose instrumental ability is on or above the B level of music. The marching band performs for all football games, homecoming parade, Christmas parade,
and special community activities. The band actively participates in District and State Band Festivals and usually one out-of-state competition. The individual students are required to participate in Solo and Ensemble Festival and strongly encouraged to participate in All-State Band auditions.

CADET BAND - 5137 (9-12) (Teacher permission only) is one of the performing instrumental ensembles offered at Austin High. It consists of students in grades 9-12 who have passed an audition by the director and whose instrumental ability is on or above the C level of music. The marching band performs for all football games, homecoming parade, Christmas parade, and special community activities. The band actively participates in District and State Band Festivals and usually one out-of-state competition. The individual students are required to participate in Solo and Ensemble Festival and strongly encouraged to participate in All-State Band auditions.

PERCUSSION – 5161 (Teacher permission only) is one of the performing instrumental ensembles offered at Austin. It consists of students in grades 9-12 who play concert and marching percussion instruments and who have passed an audition by the director. Members of this ensemble perform with the Symphony Band, the Concert Band, the Cadet Band, and the Marching Band as well as performing with the Percussion Ensemble.

INSTRUMENTAL MUSIC - 5370 (9-12) (Teacher permission only) are small groups of students scheduled through the day in instrumental music classes. Instruction is on an individual basis, with individual practice required and private lessons given at least once or twice a week to each student by the band director. Music Theory is taught as a part of the class when the makeup of the class lends itself to being a productive activity for the students. Students are expected to audition and participate in All-State and Solo and Ensemble Festival.

JAZZ BAND - 5765 (9-12) (Teacher permission only) is designed for those students at a more advanced level wishing to broaden their musical experience to include rock, jazz, and Latin styles. Members of this ensemble must also be members of the Symphony, Concert, or Cadet Bands.

FASHION I (Design) (10-12) 7528 Fashion (Design) I is a year long course. The course is for students interested in fashion, fashion design, and apparel and textile design technology. Course content provides opportunities for students to explore historic costumes, research current fashion styles and trends, analyze fibers and textiles, design clothing and accessories, utilize technology in fashion design, and explore career options in the apparel and textiles industry. Prerequisite: Teacher approval is required for advanced college-level course designed for students planning a career in Fashion, Apparel or Textile Design. *The student will be required to purchase some resources to be used in this course.

FAMILY AND CONSUMER SCIENCE

FAMILY AND CONSUMER SCIENCE (9-12) 7259 Family and Consumer Sciences is a year long course. This course is designed to assist students in recognizing the roles, responsibilities, and importance of the family. Course content provides opportunities for students to explore characteristics of strong families; family customs and traditions; healthy relationships; marriage readiness; parenting issues; consumer behavior; clothing, housing, and food needs throughout the life span; assessing effects of technology on the family; and career options related to family and consumer sciences and human services. No prerequisites are required for this course. This is the introductory course to FACS Department.

FASHION I (Design) (10-12) 7528 Fashion (Design) I is a year long course. The course is for students interested in fashion, fashion design, and apparel and textile design technology. Course content provides opportunities for students to explore historic costumes, research current fashion styles and trends, analyze fibers and textiles, design clothing and accessories, utilize technology in fashion design, and explore career options in the apparel and textiles industry. Prerequisite: Teacher approval is required for advanced college-level course designed for students planning a career in Fashion, Apparel or Textile Design. *The student will be required to purchase some resources to be used in this course.

FAMILY STUDIES AND COMMUNITY SERVICE I (9-12) 7287 Family Studies and Community Services I is a year long course. Students in this course are interested in acquiring skills for providing service to families and are prepared for a variety of careers related to family and human services. Content standards guide students in discovering how to work with family and human services clients. Course content includes the role and function of individuals engaged in family and human services; career options; educational training; agencies, organizations, and resources; laws and trends in the field; disadvantage situations of individuals and families; life skills; workplace professionalism; professional associations; record keeping; workplace safety; communication skills; developmental needs of clients; health and wellness management plans; older adults; intergenerational living; services for older adults; crisis intervention; coping strategies; stress management; advocacy; abuse and neglect; and technology. Career, Family, and Community Leaders of America (FFCLA), an integral part of the curriculum, provides opportunities to apply instructional competencies and workplace readiness skills, enhances leadership development skills, provides opportunities for community service. Prerequisite: Teacher Approval and students will be required to have access to transportation for some projects and 30 service hours required to be completed for course per semester. FFCLA Membership is encouraged and suggested for those taking this course. THIS IS CLASS MEETS SOME OF THE MYP STANDARDS * See your IB advisor for details.
intellectual stages of clients from infancy to older adults are addressed throughout the course. Additional topics include licensure requirements, age-appropriate activities; curriculum development; hobbies and recreational activities; transitions and life changes of clients; the aging process; assisted living facilities; technology; resources, agencies, and services for clients; disadvantaged conditions; assessments; making informed choices; crisis intervention; and abuse and neglect.

**Family, Career and Community Leadership of America (FCCLA), an integral part of the curriculum, provides opportunities to apply instructional competencies and workplace readiness skills, enhances leadership development skills, and provides opportunities for community service.**

**Prerequisite:** The prerequisite for this course is Family Studies and Community Services I. Teacher Approval and students will be required to have access to transportation for some projects and 30 service hours required to be completed for course per semester. FCCLA Membership is encouraged and suggested for those taking this course. If not 16 years old, MUST turn 16 and have driver’s license by Oct. 1.

**INTERIOR DESIGN I (10-12)** – 7539 Interior Design I is a year long course that introduces students to historical aspects and contemporary trends in housing and interior design. Course content provides opportunities for students to explore elements and principles of design; blueprinting; space planning by creating functional, safe, and aesthetic spaces for individuals and families across the life span; furniture style; furniture and accessory selection; technology; and careers in the field of interior design.

**Prerequisite:** Teacher approval is required for advanced college-level course designed for students planning a career in Architectural, Landscaping and Interior Design.

*The student will be required to purchase some resources to be used in this course.*

**PARENTING - 7261 (11-12)** EARN COLLEGE CREDIT a year-long course that assists students in acquiring the knowledge and skills associated with positive parent-child relationships. Topics include signs of pregnancy, prenatal development, birth defects, stages of child development, child health and safety, guidance and discipline of children, and career opportunities for working with children. The student will be required to purchase some resources to be used in this course. STUDENTS COMPLETING THIS COURSE WITH A 3.0 AVERAGE CAN RECEIVE 3 ELECTIVE CREDITS AT CALHOUN.

**LIFE CONNECTIONS - 7431 FORMERLY TEEN CHALLENGES (9-12)** is a one semester course. Are you a confused and stressed out teen? This course will help you focus on goal setting; career planning; work readiness skills; communicating effectively with family/friends; and developing strategies for independent living. The student will be required to purchase some resources to be used in this course. This course could be paired with Art Awareness, Basic Computer Applications, Health, or any other semester course.

**FOOD DYNAMICS - 7262 (10-12)** is a year-long course designed to study food and nutrition and to provide laboratory experience in food preparation. This course includes the concept of nutrition, planning and serving meals, etiquette, manners, table setting, food safety, recipe and menu evaluation, food preparation, equipment, and career opportunities in the food service industry. Prerequisite: Must have teacher approval.

**COLLEGE 101 - 7678 (11-12)** is Semester or a year-long course designed for the college-bound student to help him/her prepare for the management of personal and family resources to achieve goals. Course content provides opportunities for students to explore ACT/SAT, college applications, financial aid and scholarships, financial management, career planning, technology, and influences in a healthy lifestyle. The student will be required to purchase some resources to be used in this course. Prerequisite: Teacher approval and a 2.70 GPA or higher and college bound.

**BUSINESS & MARKETING EDUCATION**

Business Technology Applications, Advanced Business Technology Applications, Multimedia Publications, Business Essentials, Marketing Principles, Accounting, Advanced Accounting, and Law in Society are all one-year courses broken down into semester classes for scheduling purposes. To receive one full credit (1 credit) for each of the classes detailed below each class must be completed and passed.

**BUSINESS TECHNOLOGY APPLICATIONS – 7320** is a one-year (1 credit) course designed for 9th – 12th graders to help students master skills in the areas of proper keyboarding, business document formatting, word processing and presentation software using Word and PowerPoint in the Microsoft Office 2003 suite, and MicroType Pro. Students are offered opportunities to identify ethical issues pertaining to information systems and to gather information about careers in technology. Communication and critical thinking skills are reinforced through the use of software applications.

**ADVANCED BUSINESS TECHNOLOGY APPLICATIONS – 7321** is a one-year (1 credit) course designed for 10th – 12th graders that provides students with project-based applications of concepts learned in Business Technology Essentials. A major emphasis is placed on guiding students through real-world experiences to ease the school-to-career transition. Prerequisite: Business Technology Essentials-A&B with at least a C (75) average.

**MULTIMEDIA PUBLICATIONS -7540** is a one-year (1 credit) course recommended for 12th graders only and is designed to provide students with skills involving presentations, desktop publishing, web publishing, and digital graphics. Students use various hardware peripherals and software as well as the Internet for integrating skills to create a variety of publications. Upon successful completion of the course, students are able to pursue further study in the area of professional interactive multimedia design. Prerequisites: Business Technology Applications-A&B and Advanced Business Technology Applications-A&B with at least a C (75) average.

**BUSINESS ESSENTIALS - 7552** is a one-year (1 credit) course designed for 9th – 12th graders and is an introductory course that addresses the principles and concepts that serve as the foundation for future study in the Business/Marketing Education program. Topics covered include safety, communications, interpersonal skills, marketing, computer applications, business and personal finance, business management, entrepreneurship, business law, and economics.

**MARKETING PRINCIPLES - 7614** is a one-year (1 credit) course designed for 10th – 12th graders and focuses on basic marketing concepts, marketing functions, entrepreneurship concepts, national and global economies, international marketing and human relations. A major emphasis is placed on guiding students to develop a career focus and the skills that enhance their chances of moving directly into higher education, an apprentice program, the military or entry-level employment. Prerequisite: Business Essentials.

**ACCOUNTING - 7104** is a one-year (1 credit) course designed for 10th – 12th graders and is designed to help students understand the basic principles of the accounting cycle (manual and automated). Emphasis is placed on analyzing and recording business transactions, preparing and interpreting financial statements, accounting systems, banking, and payroll activities; identifying basic types of business ownership; and participating in an orientation to careers in accounting. Students are also provided with instruction activities that reinforce mathematical and critical thinking skills.

**ADVANCED ACCOUNTING – 7106** is a one-year (1 credit) course designed for 11th – 12th graders to provide students with an increased emphasis on accounting procedures and techniques for solving business problems and making financial decisions. Students use accounting and/or spreadsheet software to record, analyze, and interpret financial records. This course provides students with entry-level skills for the accounting profession and/or a foundation for post-secondary study. Prerequisite: Accounting.
LAW IN SOCIETY - 7305 is a one-year (1 credit) course designed for 10th – 12th graders to acquaint students with the basic legal principles common to business and personal activities. Topics include personal concepts to assist students when evaluating contracts, maximizing purchasing power through credit, purchasing appropriate insurance, and renting or owning real estate. Business concepts such as contracting, starting a business, hiring employees, managing employees, and representing other businesses as employees or contractors are included. Students’ critical thinking skills and oral and written communication skills are reinforced as students progress through this course.

PERSONAL FINANCE - 1270 Personal Finance is a year long (1 credit) course. The course introduces students to the management of personal and family resources to achieve personal goals and financial literacy. Content provides opportunities for students to explore consumer behavior, laws and legislation, consumer protection, consumer rights and responsibilities, consumer decision making, advertising and promotional techniques, individual and family money management, banking services, use of credit, income tax, technology, and careers in providing financial services to individuals and families. Career and technical student organizations are integral, co-curricular 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.

WORKFORCE ESSENTIALS - 7574 (10-12) is a required component of the Career/Technical Cooperative Education Program. This course provides students with the opportunity to evaluate and develop a career plan and prepare/update a career/employment portfolio. Students build on prior knowledge, strengths, interests, and needs that enhance preparation for future employment and continuing education/training. This course is a required course for students pursuing the Alabama Occupational Diploma but open to all 10th – 12th grade students.

COOPERATIVE EDUCATION - 7570 (1 hr & 2 hr) (11-12) provides the student with work experience outside the classroom. To participate in the cooperative education program, a student must be 16 years old, have parental permission, have transportation, and submit an application to be approved by Mrs. Cushing, Cooperative Education Coordinator Rm. V01. The coordinator is the liaison between the school and employer. A student participating in the co-op program receives one unit of credit per year of each block of time worked. Prerequisites: (2) courses within a Career Technical field including Business/Marketing Education, Automotive Technology, Machine Tool Technology, Engineering Drawing, Health Care Occupations, and/or Building Construction. Family Consumer Science electives are not accepted as viable career/tech prerequisites for the co-op program. Students MUST complete an application for admission to the program 1 week prior to the registration deadline. See Mrs. Cushing in room V01 or a Guidance Counselor for the co-op application.

HEALTH CARE OCCUPATIONS

MEDICAL PROFESSIONS I - FOUNDATIONS OF HEALTH SCIENCE - 7516 (10) introduces students to a wide range of health careers. Integrated academics combined with health care knowledge and skills provide the framework for a strong health care delivery system in the twenty-first century. This course is the prerequisite for all other Medical Professions classes. Prerequisite: None

MEDICAL PROFESSIONS II - THERAPEUTIC SERVICES - 7517 (11) designed to inform students of the rapid changes in business and industry through a rigorous array of coursework that prepares them for advanced learning and a wide range of health career opportunities. Students are introduced to careers in therapeutic services including, but not limited to, nursing, medicine, physical therapist, surgical technologist, respiratory therapist, emergency medical technician, and others. Prerequisite: Medical Professions I

MEDICAL PROFESSIONS III - HEALTH SCIENCE INTERNSHIP - 7518 (12) This is a two block class that meets everyday, provides students with the knowledge and skills necessary to create a plan in a health career pathway and prepares students for postsecondary health care education programs. Theory and laboratory are combined with on-site clinical rotations in local health care facilities to provide students with opportunities for personal and professional growth. Prerequisites: Medical Professions I and teacher approval through an application process

AUTOMOTIVE TECHNOLOGY

AUTOMOTIVE ENGINE REPAIR - 7170 (9-10) This is the introductory course to Auto tech. This is a one-credit course that provides students with classroom and laboratory experiences in diagnosing and repairing gasoline engines. Topics include engine disassembly, component identification, inspecting and measuring parts, and engine assembly and repair. Upon successful completion of the course, students are able to diagnose, remove, repair, rebuild, and install an automobile engine. This course incorporates all personal and environmental safety practices associated with clothing; eye protection; hand tools; power equipment; proper ventilation; and the handling, storage, and disposal of chemicals and materials in accordance with local, state, and federal safety and environmental regulations.

AUTOMOTIVE ENGINE PERFORMANCE I - 7195 (11-12) This is a two block class that meets everyday Automotive Engine Performance I is a one-credit course that provides students with the knowledge and skills regarding general engine diagnosis, computerized engine controls, ignition systems, and emission control systems. Strong emphasis is placed on system and component operations.

AUTOMOTIVE ENGINE PERFORMANCE II - 7186 (11-12) This is a two block class that meets everyday Automotive Engine Performance II is a one-credit course that provides advanced students with in depth information regarding general engine diagnosis, computerized engine controls, ignition systems, fuel systems, and emission control systems. Emphasis is placed on system and component operations and diagnosis. Upon successful completion of this course, students are able to diagnose and repair engine performance-related systems.

AUTOMOTIVE ELECTRICAL AND ELECTRONIC SYSTEMS I - 7701 (10-12) This is a two block class that meets everyday This is a one-credit course that provides students with classroom and laboratory instruction in electrical and electronic system operations, diagnosis, and repairs. Emphasis is placed on system operations, circuit diagnosis, wiring diagrams, and equipment usage. Upon successful completion of the course, students are able to diagnose and repair electrical and electronic systems.

AUTOMOTIVE ELECTRICAL AND ELECTRONIC SYSTEMS II - 7702 (11-12) This is a two block class that meets everyday Automotive Electrical and Electronic Systems II is a one-credit course that provides students with classroom and laboratory instruction in electrical and electronic system operations, diagnosis, and repairs. Upon successful completion of this course, students are able to perform minimum tasks required by National Automotive Technicians Education Foundation (NATEF) and Automotive Service Excellence (ASE) lists.

AUTOMOTIVE HEATING AND AIR CONDITIONING - 7703 (10-12) This is a two block class that meets everyday This is a one-credit course that provides students with classroom and laboratory experiences regarding system operations, repairs, and service procedures. Topics include electrical, plumbing, and component replacement. Upon successful completion of the course, students are able to remove, install, diagnose, and perform basic heating and air-conditioning repairs.

AUTOMOTIVE BRAKES - 7704 (10-12) This is a two block class that meets everyday Automotive Brakes is a one-credit course that provides students with classroom and laboratory instruction in electrical accessories and brake system operations; diagnosis, and repairs. Emphasis is placed on accessory diagnosis, hydraulic system diagnosis, disc and drum brake diagnosis, and equipment usage. Upon completion of this course, students are able to repair brake systems. This course incorporates all personal and environmental safety practices associated with clothing; eye protection; hand tools; power equipment; proper ventilation; and the handling, storage, and disposal of chemicals and materials in accordance with local, state, and federal safety and environmental regulations.
AUTOMOTIVE SUSPENSION AND STEERING - 7705 (10-12) This is a two block class that meets everyday This is a one-credit course designed to provide students with a working knowledge of brake assist assemblies, anti-lock systems, suspension systems, and steering systems. Topics include brake diagnosis, steering diagnosis, suspension diagnosis, alignment procedures, and wheel balancing. Upon successful completion of this course, students are able to repair brake suspension and steering systems. This course incorporates all personal and environmental safety practices associated with clothing; eye protection; hand tools; power equipment; proper ventilation; and the handling, storage, and disposal of chemicals and materials in accordance with local, state, and federal safety and environment regulations.

MACHINE TOOL TECHNOLOGY

INTRODUCTION TO PRECISION MACHINING - 7597 (9-12) This course provides an introduction to manufacturing processes and job opportunities for students who are pursuing careers in manufacturing. The class will introduce; safety, print reading, drill press, power saws, and bench work. This is the first course in machine tool technology.

INTRO TO COMPUTER NUMERICAL CONTROL - 7706 (10-12) Introduction to Computer Numerical Control (CNC) is a one-credit course that provides an introduction to manufacturing processes and job opportunities for students who are pursuing careers in manufacturing. Students use critical-thinking skills and principles of science, mathematics, and safety. This entry-level course may be taken in the Manufacturing cluster. Students who choose to enter the Manufacturing cluster must meet academic goals and expectations of business and industry. Topics include CNC programming and CNC operations. Standards are based on National Institute for Metalworking Skills (NIMS) Level I CNC Mill and NIMS Level I CNC Lathe.

INTERMEDIATE NUMERICAL COMPUTER CONTROL - 7707 (10-12) Intermediate Computer Numerical Control (CNC) is a one-credit course that provides an introduction to manufacturing processes and job opportunities for students who are pursuing careers in manufacturing. Students use critical-thinking skills and principles of science, mathematics, and safety. This entry-level course may be taken in the Manufacturing cluster. Students who choose to enter the Manufacturing cluster must meet academic goals and expectations of business and industry. Topics include advanced CNC programming, setup, and proper operations. Students receive instruction regarding national skills standards of the National Tooling and Machining Association (NTMA) and National Institute for Metalworking Skills (NIMS).

INTRODUCTION TO LATHE - 7708 (10-12) Introduction to Lathe is a one-credit course designed for students who are pursuing careers in manufacturing. Students apply critical-thinking skills and principles of mathematics and observe safety rules and regulations as they are introduced to the manufacturing process and job-related opportunities. Job shadowing and internship are appropriate work-based learning strategies for this course. The prerequisite for this course is Introduction to Precision Machinery.

INTRODUCTION TO MILLING, DRILL PRESS AND SURFACE GRINDER - 7709 (10-12) Introduction to Milling, Drill Press, and Surface Grinder is a one-credit course that provides an introduction to manufacturing processes and job opportunities for students who are pursuing careers in manufacturing. Students use critical-thinking skills and principles of science, mathematics, and safety. This entry-level course may be taken in the Manufacturing cluster. Students who choose to enter the Manufacturing cluster must meet academic goals and expectations of business and industry. Topics include milling techniques, drill press techniques, and grinding techniques.

INTERMEDIATE LATHE AND BENCH - 7710 (10-12) Intermediate Lathe and Bench work is a one-credit course that provides an introduction to manufacturing processes and job opportunities for students who are pursuing careers in manufacturing. Students use critical-thinking skills and principles of science and safety. This entry-level course may be taken in the Manufacturing pathway. Topics include lathe maintenance, lathe operations, and bench work operations.

INTERMEDIATE MILL AND SURFACE GRINDER - 7711 (10-12) Intermediate Mill and Surface Grinder is a one-credit course that provides an introduction to manufacturing processes and job opportunities for students who are pursuing careers in manufacturing. Students use critical-thinking skills and principles of science, mathematics and safety. This course may be taken in the Manufacturing pathway. Students who choose to enter the Manufacturing cluster must meet academic goals and expectations of business and industry. Topics include instruction in advanced milling and grinding operations. Student instruction in manufacturing reflects the national skills standards of the National Tooling and Machining Association (NTMA) and the National Institute for Metalworking Skills (NIMS).

ENGINEERING DRAWING

ENGINEERING DRAWING I - 7475 (9-12) is designed to teach the basic skills needed in all engineering and architectural fields. Areas of study will include technical math, instruments, lettering and drawing techniques, multiview drawings, basic dimensioning, fundamentals of CAD, sections, auxiliary views, threads and fasteners, pictorial drawings, and the design cycle. ADDA nationally certified program and instructor. Note: Students must complete all of the tasks assigned in this course before they can advance to Engineering Drawing II. Prerequisite: Teacher’s Permission Required.

ENGINEERING DRAWING II - 7480 (10-12) is a continuation of Engineering Drawing I and will emphasize geometric dimensioning and tolerance, auxiliary views, working drawings, intersections and developments, 3D modeling including multipart assembly and animation, and career readiness. ADDA nationally certified program and instructor. Note: Students must complete all of the tasks assigned in this course before they can advance to Engineering Drawing III. Prerequisite: Engineering Drawing I.

ENGINEERING DRAWING III - 7781 (11-12) is a continuation of Engineering Drawing II and will be based on Architectural design including residential floor plans, foundations, electrical plans, roof design, elevations, building specifications, site plan, and career readiness. ADDA nationally certified program and instructor. Prerequisite: Engineering Drawing II.

ENGINEERING DESIGN & DRAWING - 7482 (8-12) This course is open to any 9th-12th grade student who meets academic co-requisites and is a prerequisite to participation in Level II of the Engineering Academy. Co-requisites: Geometry and Biology. Level 1 of the Engineering Academy is a full year course where students use 3D solid modeling design software to help them design solutions to solve proposed problems using the Project Lead the Way curriculum. Students will learn how to document their work and communicate solutions to peers and members of the professional community. The major focus is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation.

INSTRUMENTATION & ANALYSIS - 7560 (10-12) Level II of the Engineering Academy is a full year course that is divided into three (3) twelve week rotations of study centered in electrical, mechanical, and chemical engineering. Students will explore engineering lab studies implementing Infinity NI Lab View curricula, NXT and Mindstorm Lego robotics and other available engineering resources. Local engineers will serve as consultants, lecturers, and mentors. Prerequisites: Engineering Design & Drawing (Level I), Geometry, and Biology. Co-requisites: Alg II w/Trig and Chemistry.

ENGINEERING RESEARCH I - 7483 Level III of the Engineering Academy is a full year course at the junior/senior level. Knowledge attained in the Level I and II courses will be used in correlation with teacher facilitated research in order to solve a self-selected engineering problem. Opportunities to work with local engineers will be provided throughout the duration of the course. This course will be available beginning in the 2009-2010 school years. Students in Level III and IV will be provided the opportunity to apply for summer internships in local engineering facilities. Prerequisites: Engineering Design & Drawing, Instrumentation & Analysis. Co-requisites: Pre-Calculus, Physics, IB Chemistry, IB Biology.

ENGINEERING RESEARCH II - 7484 Level IV Engineering Academy is a senior level course similar to Engineering Research I except this project would be a joint effort between the secondary students, graduate level engineering students at UAH and local professionals. Students would be allowed time off from the secondary school to attend UAH in order to assist
with UAH engineering research projects. Academic classes as appropriate would be taken. This course will be available beginning in the 2010-2011 school year. Students in Level IV will be provided the opportunity to apply for summer internships in local engineering facilities. Prerequisites: Engineering Design & Drawing, Instrumentation & Analysis, and Engineering Research I. Co-requisites: Calculus or AP/IB Calculus, and AP/IB Physics B or C.

BUILDING CONSTRUCTION

BUILDING CONSTRUCTION – 7535 Level I (11-12) is designed to allow students an opportunity to complete a nationally accredited course of study in construction. A student in eleventh grade begins the Level I Carpentry course by completing the Core Curriculum. The National Center for Construction Education and Research will issue a nationally recognized certificate of completion to the student when the Core Curriculum is complete. This certification is equivalent to the initial training given by many of the nation’s largest companies. Next, the student will complete a series of subjects directly related to the field of carpentry. The student must pass each section test with a score of at least 70 to receive any credit. In addition to tests, the student will demonstrate his ability to properly use the tools and equipment found in the field of carpentry. In addition, this course offers a great deal of “hands on” work experience. The student will work in a group and as an individual on a wide variety of projects. Course is taken at Decatur High School. Permission from administrator only.

BUILDING CONSTRUCTION – 7536 Level II (12) provides the second year carpentry student to more in-depth training in the field. Beginning with reading plans and elevations, the student will advance through each of the steps of basic construction. The student will demonstrate the skills he has learned in a group and an individual setting. The student must receive at least a 70 on all work to receive credits. If a student successfully completes the Level I and Level II training and remains within the acceptable parameters of grades, behavior, and attendance. Prerequisite: Level I. Course is taken at Decatur High School. Permission from administrator only.

WORK ADJUSTMENT - 7761 (10-12) (1 hr.) is a year-long course designed for students interested in developing a work ethic through actual assembly line work. This course prepares students for entry-level employment by fostering the development of the proper work attitudes, the importance of good attendance, cooperation with peers, supervisors and other levels of management, following directions, the proper response to constructive criticism and pre-employment and/or work maturity skills. A variety of printed matter as well as computer software and hardware are also used. Teacher approval is required.

PHYSICAL EDUCATION

DRIVER EDUCATION - 6300 (10) assists the student in becoming a safe, competent driver. It should acquaint students with hazards they will encounter as a pedestrian and as a driver. Although they will not be expert drivers, they should acquire basic skills for vehicle control and acquire knowledge of traffic laws. Also, they should acquire and demonstrate an attitude of cooperation and self-control needed in the traffic environment. The course consists of approximately six weeks of classroom instruction, one week of simulation, and one week of driving behind the wheel. Permits are required by the first day of class. Parental involvement with homework driving is recommended.

PHYSICAL EDUCATION – 6200 (Boys 10-12) 6400 (Girls 10-12) consists of instruction in and knowledge of a variety of activities such as individual and conditioning exercises, rhythms, tumbling, gymnastics, team sports, and individual sports. The high school required course, L>I>F>E (Lifetime Individualized Fitness Education) provides a blueprint for a lifetime of healthy living. L>I>F>E requires students to develop and maintain an individual level of fitness that provides a healthy future. Fitness and wellness components will be taught by providing experiences in which students can apply these components in meaningful ways. The components will be applied in a variety of meaningful experiences including, but not limited to rhythms, individual and dual sport activities, team sports, and leisure activities.

BODY CONDITIONING - 6160 (girls only) (10-12) is a course focused on developing a healthy body composition through aerobic training and body sculpting. Activities included will be floor aerobics, tae bo, walking, step aerobics and body sculpting. Prerequisite: 1 credit of the L>I>F>E course or 1 exemption from the L>I>F>E course. PE teacher approval required.

STRENGTH TRAINING/CONDITIONING - 6757 (boys only) (10-12) is a course focused on improving all five (5) components of fitness through strength training and aerobic activities. Prerequisite: 1 credit of the L>I>F>E course or 1 exemption from the L>I>F>E course. PE teacher approval required.

TUMBLING - 6106 (Girls only) (10-12) is a course designed to improve the students tumbling skills. PE teacher approval required. Prerequisite: 1 credit of the L>I>F>E required course or 1 year’s exemption from the L>I>F>E course.

TEAM SPORTS - 6120 (Boys only) (10-12) is a course focused on the rules, skills, and strategies of team sports. Sports that will be emphasized are football, basketball, softball, and volleyball. Prerequisite: 1 credit of the L>I>F>E required course or 1 year’s exemption from the L>I>F>E course.

ATHLETICS

(Each Athletics course is a year-round course.) (Requires coach’s approval)

Varsity Basketball (9) 6176 –Coach Demond Garth, ext 248
Varsity (Girls) Basketball (9) 6181 -- Coach Bruce Hamilton, ext 250
Varsity Football (10-12) 6375 –Coach J. Perkins, ext 252
Junior Varsity Football (9) 6376 –Coach Paul Avertt
Baseball (9-12) 6170 –Coach Mike Henson
Cheerleading (9-12) 6250 –Coach Shellie Burgreen 409
Golf (Boys and Girls) (9-12) 6425 –Coach Kevin Shannon

Softball (Girls) (9-12) 6725-- Coach Rich Dutton
Cross Country & Track (Boys or Girls) (9-12) 6850-- Coach Kelly Elmore
Tennis (Boys and Girls) (10-12) 6800-- Coach Wendy Duffy
Volleyball (Boys) (10-12) 6900 –Coach Tina Lawrence
Soccer (Boys) (10-12) 6755 --Coach M. Knox
Soccer (Girls) (10-12) 6756-- Coach M. Partain
JROTC

FIRST YEAR: INTRODUCTION TO LEADERSHIP EDUCATION AND TRAINING - 6754 During the first year, cadets will receive classes on Introduction to JROTC, Leadership, First Aid, Map Reading, Techniques of Communication, and How to Study. The desired learning outcome is an appreciation of the ethics, values, and principles that underlie good citizenship which includes integrity, character, and respect for constituted authority.

SECOND YEAR: INTERMEDIATE LEADERSHIP EDUCATION TRAINING - 6749 During the second year, cadets will build upon what was learned during the first year to include courses in History, Drug Awareness, Unlocking Your Potential, Marksmanship, and Safety. The desired learning outcome is the development of leadership skills and the development of the ability to live and work cooperatively with others.

THIRD YEAR: APPLIED LEADERSHIP EDUCATION AND TRAINING - 6748 During the third year of JROTC, cadets will take courses in Applied Leadership, to include, Cadet Challenge, Leadership Lab, U.S. Military History, Technology Awareness, and The Role of the U.S. Armed Forces. The desired learning outcome includes the appreciation of the importance of physical fitness and the development of thinking in a logical manner.

FOURTH YEAR: ADVANCED LEADERSHIP EDUCATION AND TRAINING - 6747 during the fourth year, cadets will take courses dealing with the Psychology of Leadership. These include Protocol and Military Etiquette, Unlocking your Potential, and Winning Colors. The desired learning outcome includes the development of basic skills that are necessary to work effectively as a member of a team and the understanding of the importance of high school graduation to a successful future.

MISCELLANEOUS ELECTIVES

** Required for all Diplomas **

** HEALTH EDUCATION - 6500 (10) is a diversified course covering many contemporary topics. The units covered will include, but not be limited to: mental wellness, personal fitness, nutrition, parenting, CPR, first aid, and sexually transmitted diseases.

** Required for all Diplomas **

ADVANCED STUDY SKILLS – (####) - Advanced Study Skills is designed to help you succeed in all of your classes as you transition from high school to college. Your success will require effort, energy and hard work. Through this class, you will learn to recognize your strengths and what skills you need to work on and help you build strong organizational and study skills. You will learn strategies and skills that you can use in all of your classes throughout your education. This class will follow a study skills curriculum and is not intended to be a study hall.

ACADEMIC TUTOR - (12) provides students the opportunity to learn about teaching and interacting with others by assisting students in various academic subjects under the supervision of the classroom teacher. Tutors will be assigned to a teacher and subjects based on their area(s) of expertise. It is expected that both tutors and students being tutored will experience academic and social growth. Criteria for selection: a senior with a minimum of “B” cumulative average (3.0 GPA), absence of any offenses against the Student Code of Conduct, good attendance record, at least two teacher recommendations, and a written request explaining what expertise the student has to offer. Final approval will be made by the principal. A written application for participation in Academic Tutoring must be submitted in the Guidance Department.

STUDENT GOVERNMENT - Permission from Mrs. Dixon only

REMEDICATION LABS - Permission from school counselors only.

OFFICE ASSISTANT - (11-12) Guidance, Library, Business Education, and Main Office, Office Assistant provides the opportunity to develop skills for solving problems, demonstrating initiative, and interacting with students, faculty, and the public under the supervision of the office staff. Criteria for selection: be in good academic standing and continue to make good grades, absences of any offenses against the Student Code of Conduct, good attendance record, at least two teacher recommendations, and a written request explaining what expertise the student has to offer. Final approval will be made in the Guidance Department.

TAKING PRIDE IN AUSTIN HIGH - 9068 Are you creative? Does it bother you to see a bulletin board not decorated or up to date? Would you like to see the cases in the cafeteria and gym kept clean and decorated?

Would you like to help create a scrapbook or picture slide show of AHS events and club activities? Would you enjoy working in any capacity needed to help beautify the campus? If so, this class is for you!!! This class is open to 10th-12th graders who take initiative and work well with others. You must be in good standing and have great teacher recommendations. There will be a $10 supply fee per semester. Please see Mrs. Olinger in M-10 if you have questions.

SERVICE LEARNING CLASS - 9069 The service-learning class is about learning to care and putting it into action. It is about learning how to find service opportunities that fit your talents. The focus will be on those in the community that are in need, not on the volunteer themselves. The course's approach will be servant leadership. The class will take a multi-media approach, with books about service (such as Same Kind of Different as Me and 3 Cups of Tea), websites (Habitat for Humanity, Heifer Project, etc.), as well as weekly service with local agencies (Hospice, Neighborhood Christian Center, Animal Shelter, CCC, Boys & Girls Club, etc.).

AHS WEB DESIGN - 9070 Have fun designing the AHS web pages using Dream-weaver and FrontPage. Learn the dos and don'ts of web page design by evaluating existing web pages. Use Dream-weaver/FrontPage skills to maintain the AHS web site. Prerequisite: Computer Basics, Prior webpage experience, using FrontPage or Dream-weaver, Instructor's/Counselor consent.
ACCESS
***To view all of the choices for online classes see Mrs. Nevels in the Library***

These are online in a virtual classroom or with a web-link to a real classroom. Some of these classes will not make due to number of requests.

ONLINE HEALTH EDUCATION - (10) is a diversified course covering many contemporary topics. The units covered will include, but not be limited to: mental wellness, personal fitness, nutrition, parenting, CPR, first aid, and sexually transmitted diseases.

AP STATISTICS - (1) AP Statistics data analysis is dependent on the use of technology. The course has been authorized by the College Board and meets all requirements established by that organization. Students should have access to computers that include software capable of doing data analysis. Students will be required to interpret output generated by statistical software programs. Students are not expected to learn how to use various statistical programs. In addition, one of the following Texas Instruments calculators is required: TI-83, TI-83+, TI-84, TI-84+, or a TI-89. The TI-83+ is the most popular calculator for AP Statistics. In most cases, the calculator is sufficient, but the fundamental tool of data analysis is the computer.

AP COMPUTER SCIENCE - (1) Description: The AP Computer Science A course is an introductory computer course which involves developing the skills needed to write programs or parts of programs that correctly solve specific problems. The course has been authorized by the College Board and meets all requirements established by that organization. AP Computer Science A also emphasizes the design issues that make programs understandable, adaptable, and (when appropriate) reusable. At the same time, the development of useful computer programs and classes is used as a context for introducing other important concepts in computer science, including the development and analysis of algorithms, the development and use of fundamental data structures, and the study of standard algorithms and typical applications. An understanding of the basic hardware and software components of computer systems and the responsible use of these systems are integral parts of the course.

LATIN I - (1) Latin I is a first-year classical language course, which provides an introduction to the Latin language and Roman culture. Latin I illustrates the influence of the Roman culture on the cultures of the Western world throughout history. Basic pronunciation, spelling, and translation are included in the course; emphasis is placed on reading, grammar, and culture.

GERMAN I - (1) German I is a first-year modern language course, which provides students with opportunities to communicate at a basic level; to develop insights into German cultures; to better understand their own language and culture; to access knowledge from other disciplines using German; and to participate more fully in the global community.

MANDARIN CHINESE I - (1) This is a beginning level course which introduces the student to a variety of areas of Mandarin Chinese (simplified). In this course, the student will learn listening, speaking, reading, and writing skills through activities that are based on pedagogically proven methods of foreign language instruction. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. Culture is sprinkled throughout the course in an attempt to help the learner focus on the Chinese speaking world and its culture, people, geographical locations, and history.
THE I.B. DIPLOMA PROGRAM DESCRIPTION

The International Baccalaureate Diploma Program (IB) is an intellectually rigorous pre-university course of studies for students in schools worldwide. It is offered to highly motivated students in the final two years of secondary school. Preparation for the final years is begun with enrichment and acceleration in the first two years of secondary school. The International Baccalaureate is a widely recognized two-year comprehensive program that allows graduates to fulfill requirements of various national education systems. Mastery of subject content and the development of critical thinking, and research skills is excellent preparation for success at post secondary institutions in North America and abroad. The IB Program gives students the opportunity to investigate disciplines at a greater depth and breadth than they might normally. Successful Diploma Candidates will receive the IB Diploma as well as the Decatur City Schools Diploma. Success in the IB Program requires ability, self-motivation, organization, commitment, and interest. Students must be able to balance academic responsibilities with participation in extracurricular activities and community service. The IB Diploma identifies a student as one who has met the challenge, accepted it, and succeeded based upon an international standard.

THE STRUCTURE OF THE IB PROGRAM

To obtain an IB Diploma, candidates must successfully complete a course and write an international examination in each of these areas of study in their final two years of secondary school. Students study courses from each of the groups for a period of two years. Of the six courses, three and not more than four are to be taken at the "Higher Level" and the remainder at the "Standard Level". The IB Program requires a student to select courses in the six groups identified below.

Group 1: Language A1 (English)
Group 2: Language B (Foreign Language)
Group 3: Individuals and Societies (Histories, Psychology)
Group 4: Experimental Sciences (Biology’s, Chemistry’s and Design Technology)
Group 5: Mathematics
Group 6: Elective Music, Art, Psychology

IB PROGRAM COURSE LISTINGS

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<td>Honors English 10</td>
<td>IB English 11</td>
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<td>Theory of Knowledge .5</td>
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9TH & 10TH COURSES TO PREPARE FOR IB

**PRE AP/DP ENGLISH 9** – 0007 this course is designed for freshman candidates interested in pursuing an IB diploma or Advanced Placement courses their junior and senior years. Pre-DP English 9 will follow the basic tenants of the Honors English 9 course, but students will study more works from world literature. Student evaluation will be a blend of traditional assessment criteria as well as the IB language curriculum’s assessments rubrics and AP assessment rubrics. Prerequisite: Intense interest in enrolling in the IB Diploma Program (DP) or the Advanced Placement program.

**PRE AP/DP ENGLISH 10** – 0008 This course is designed for sophomore students who anticipate enrollment in the IB Diploma Program in the eleventh grade or enrollment in Advanced Placement for Junior English. The course will follow the basic forms as the Honors English 10 course, but the students will study more works from world literature. Assessment techniques will primarily be based upon the IB language curriculum’s rubrics and Advanced Placement rubrics. Prerequisite: Intense interest in enrolling in the IB Diploma Program (DP) or the Advanced Placement program.

**PRE-DP/AP WORLD HISTORY** – (Grade 9), AP US History – (Grade 10)

**PRE-DP/AP BIOLOGY** – (Grade 9), Pre-DP Physical Science (grade 10)
ALGEBRA OR GEOMETRY – (Grade 9), Geometry or Algebra II w/Trig – (Grade 10)

PRE-DP SPANISH II – 4551 (Grade 9-10) Advanced Spanish II curriculum for the student planning to pursue an IB diploma. Prerequisite: A C average or higher in the appropriate Spanish I level class.

PRE-DP SPANISH III – 4601 (Grade 10-11) Advanced Spanish III for the student planning to pursue an IB diploma. Prerequisite: The successful completion of the appropriate Spanish II level class and the recommendation of former instructors.

FRENCH II – 4151 (Grade 10) Advanced French II curriculum for the student planning to pursue an IB diploma – An average of C or higher in the Pre DP French I is recommended.

11th and 12th grade IB course descriptions

GROUP 1 – LANGUAGE A

Summer Reading – Students accepted into the IB Programme will be given specific assignments for Summer Reading each year.

IB English 11 – 0020 is the first part of a two – year IB curriculum that prepares students for the higher-level (HL) examination in literature and composition. Student assessment will be based on IB language curriculum’s rubrics. Literature selections will cover mainly world literature and its themes. Prerequisite: Acceptance into the IB Programme.

IB English 12 – 0021 is the second part of the two-year IB curriculum preparing students for the higher-level (HL) examination in literature and composition. Course selections and assessment will be based on IB language curriculum’s rubrics. Prerequisite: IB English 11 and retention in the IB Programme.

GROUP 3 – INDIVIDUALS AND SOCIETIES

IB HISTORY OF THE AMERICAS 11 – 2140 (Grade 11) – is the first part of a two-year IB curriculum that prepares students for the higher-level (HL) examination in the History of the Americas. This year is a comparative study of the United States, Canada, and South America. Prerequisite: Acceptance into the IB Programme and AP American History 10.

IB HISTORY OF THE AMERICAS 12 – 2141 (Grade 12) – is the second part of a two-year IB curriculum that prepares students for the higher-level (HL) examination in the History of Americas. This course takes the place of Government and Economics and has a focus on twentieth-century World History. Prerequisite: IB History of the Americas 11 and retention in the IB Programme.

GROUP 4 – EXPERIMENTAL SCIENCE

IB BIOLOGY 11 – 3115 begins the advanced study of biology topics, which are covered in the higher-level (HL) examination. Emphasis is placed on extensive laboratory experiences that apply scientific knowledge. Students are required to maintain a lab notebook. A summer assignment will be required. Prerequisite: Acceptance into the IB Programme.

IB BIOLOGY 12 – 3116 continues the advanced study of college-level biology topics, which are covered in the higher-level (HL) examination. Emphasis is placed on extensive laboratory experiences that apply scientific knowledge. Students are required to maintain a lab notebook. A summer assignment will be required. Prerequisite: IB Biology 11 and retention in the IB Programme.

IB CHEMISTRY SL (12) – 3023 this course builds on the stuffy of chemistry from the previous year. Topics covered this year are to include organic chemistry, acids and bases, equilibrium, oxidation states, and one of the two IB options. This course will include an intensive preparation for the IB Chemistry exam which will be held in May of this year and will cover both the years of chemistry. Extensive laboratory experience is applied along with the scientific knowledge learned through the lecture in this course. Students are required to maintain a lab notebook, an electronic journal, and will have a summer assignment. Prerequisite: Acceptance into the IB Programme.

GROUP 5 – MATHEMATICS

IB PRE CALCULUS – 1262 (Grade 11) provides the first year of a two-year course in realistic mathematics course for student planning to pursue further studies in technical fields. The curriculum includes the study of the real number system, algebra, geometry and trigonometry, vectors and matrices, probability and statistics, conic, and parametric and polar systems. The skills needed to cope with the mathematical demands of a technical major in college are developed and emphasis is placed on the application of mathematics to real-life situations. Prerequisite: Acceptance into the IB Programme and Algebra II w/Trig.

IB CALCULUS W/STATS – 1263 (Grade 12) designed to provide the second year of a two-year course in a realistic math course for students planning to pursue further studies in technical fields. This year will be a comprehensive course on calculus with a review of statistics. The curriculum includes the study of functions, differentiation, applications of derivatives, integration, application of integration, and differential equations. The skills needed to cope with the mathematical demands of a technological major in college are developed and emphasis is placed on the application of the math to real – life situations. Prerequisites: Retention in the IB Programmes and IB Precalculus

IB MATH STUDIES – 1264 (11 or 12) is a one-year course that provides a realistic mathematics course for students with varied backgrounds and abilities. The curriculum includes the study of functions, computation, statistics and probability, business techniques, conic sections, geometry, and trigonometry. The skills needed to cope with the mathematical demands of a technical society are developed and emphasis is placed on the application of mathematics to real-life situations. Prerequisite: Alg II w/Trigonometry and acceptance into IB Programme.

ADDITIONAL COURSE REQUIREMENTS

THEORY OF KNOWLEDGE – 8140 (Grade 11) – represents the cornerstone of the IB curriculum. Students are involved in critical examination of knowledge through readings, discussion, and writings based on the perspectives of language, logic, perception, mathematics, history, science, ethics, politics, and the arts.
GROUP 2 – LANGUAGE B

**IB SPANISH 11** – 4702 (Grade 11) – is the first part of a two-year IB curriculum that prepares students for the standard level (SL) examination in Spanish. Emphasis is placed on active communication in the language and analysis of Hispanic culture and literature. This course is weighted 10 points. Prerequisite: Successful completion of at least 2 years of Spanish and acceptance into the IB Programme.

**IB SPANISH 12** – 4703 (Grade 12) – is the second part of a two-year IB curriculum that prepares students for the standard level (SL) examination in Spanish. Emphasis is placed on active communication in the language and analysis of Hispanic culture and literature. This course is weighted 10 points. Prerequisite: Successful completion of at least 3 years of Spanish, acceptance into the IB Programme, and status as a student in good standing.

**IB FRENCH 11** – 4251 (Grade 11) – is the first of a two-year IB curriculum that prepares students for the standard level (SL) examination in French. Emphasis is placed on active communication in the language and analysis of French culture and literature. This course is weighted 10 points. Prerequisite: Successful completion of at least 2 years of French and acceptance into the IB Programme.

**IB FRENCH 12** – 4252 (Grade 12) – is the second part of a two-year IB curriculum that prepares students for the standard level (SL) examination in French. Emphasis is placed on active communication in the language and analysis of French culture and literature. This course is weighted 10 points. Prerequisite: Successful completion of at least 3 years of French, acceptance into the IB Programme, and status as a student in good standing.

GROUP 6 – THE ARTS OR OPTION

**IB SYMPHONIC BAND** – 5740 (Grade 11 & 12) – consists of all the requirements of Symphonic Band (see page 14) and additional curriculum to prepare students to take the IB Music (SL) exam. The additional material is covered outside the Symphonic Band hours. Students will demonstrate their ability to aurally analyze and describe music using appropriate musical terminology and demonstrate an ability to recognize, identify, analyze, and make connections to other music.

**IB CHAMBER CHOIR** – 5750 (Grade 11 & 12) – consists of all the requirements of Chamber Choir (see page 15) and additional curriculum to prepare students to take the IB Music (SL) exam. The additional material is covered outside the Chamber Choir hours. Students will demonstrate their ability to aurally analyze and describe music using appropriate musical terminology and demonstrate an ability to recognize, identify, analyze, and make connections to other music.

**IB VISUAL ARTS SL** – 5757 (Grade 11) this course guides students along the path to knowledge, understanding, appreciation, and skill development in Visual Arts. Students will learn the many facets of art including its history, impact upon culture, and the ways by which it can be created. Students will learn to make their own knowledgeable and intelligent decisions about works of art representing a range of diverse styles. This course promotes learning of three kinds: learning from works of art; learning about works of art; and learning how to make art. This is designed for the visual arts student with creative and imaginative abilities, and for those whose interest in art is mainly cultural and historical. Prerequisite: Art I

**IB VISUAL ART HL** – 5756 (Grade 11 & 12) This is a two-year course that guides students along the path of knowledge, understanding, appreciation, and skill development in Visual Arts. Students will learn the many facets of art including its history, impact upon culture, and the ways by which it can be created. Students will learn to make their own knowledgeable and intelligent decisions about works of art representing a range of diverse styles. This course promotes learning of three kinds: learning from works of art; learning about works of art; and learning how to make art. This is designed for the visual arts student with creative and imaginative abilities, and for those whose interest in art is mainly cultural and historical. Prerequisite: Art I

**IB CHEMISTRY SL** – (optional) – 3023 (Grade 11) this inquiry based laboratory course is a comprehensive survey of inorganic and organic chemistry. The course will emphasize problem solving and provide a thorough foundation for the college-bound student, emphasizing a quantitative approach. In addition to learning the concepts of chemistry, students will spend the majority of their time on applying their knowledge to new situation and analyzing and evaluation chemistry data. This course can be taken as an optional group 6 course selection, or as a group 4 course selection, provided the student has selected three HL courses.

**IB INFORMATION TECHNOLOGY IN A GLOBAL SOCIETY SL** (ITGS) – 8141 (Grade 11) is the study and evaluation of the impact of information technology (IT) on individuals and society. It explores the advantages and disadvantages of the use of digitized information at the local and global level. ITGS provides a framework for the student to make informed judgments and decision s about he use of IT with in social contexts. Although IT$S shares methods of critical investigation and analysis with other social sciences, it also considers ethical questions found in the study of philosophy. Students come into contact with IT on a daily basis because it is so pervasive in the world in which we live. This widespread use of IT inevitably raises important questions about social and ethical issues that shape our society today. ITGS offers an opportunity for a systematic study of these issues, whose range is such that they fall outside the scope of any other single discipline.

**IB PSYCHOLOGY SL** – 2142 this course is Group 6 IB elective to be taken in the 11th grade. IB Psychology is the study of human behavior from an empirical perspective. Students learn to design and execute experiments as well as to interpret their findings. Content of the course includes a study of psychologists and their theories as well as the most recent research findings across the various fields of the discipline. A primary emphasis in this course is on utilizing appropriate research to support points made in essays and class directions.

**IB DESIGN TECH SL** – 7477 Students must complete topics such as raw materials to final product, manufacturing processes and techniques, production systems, clean technology and green design, microstructures and macrostructures, food technology, CAD design, manufacture and production, Health, and Electronics.

**THEORY OF KNOWLEDGE 11** – 8140– 0.5 credit

Theory of Knowledge 11 is a required interdisciplinary course intended to stimulate critical reflections upon knowledge and experience gained inside and outside the classroom. It challenges students to reflect on diverse ways of knowing and areas of knowledge, and to consider the role which knowledge plays in a global society. It encourages students to become aware of themselves as thinkers, to become aware of the complexity of knowledge, and to recognize the need to act responsibly in an increasingly interconnected world.

**THEORY OF KNOWLEDGE 12** – 8140– 0.5 credit

Theory of Knowledge 12 is a continuation of the Theory of Knowledge core course required for the IB Diploma Program. This semester course will complete the reflection on the areas of knowledge and focus on the completion of the required internally assessed T.O.K. presentation and externally assessed Tok Essay.

**IB ELECTIVES**

**EXTENDED ESSAY RESEARCH AND CAS 11** – 9071– 0.5 credit. This course is required for the IB diploma candidate in grade 11. It will focus on the required research of the extended essay, as well as seminars in Creativity, Action, and Service. It will require logging of work time, service time, conferencing time and extensive record keeping. The requirement of an Extended Essay and CAS hours must be completed to be eligible to receive the IB diploma.
NATIONAL HONOR SOCIETY

TO comply with the policies of the governing board of all National Honor Societies, the National Honor Society at Austin High School will adhere to the following policies.

*Students in the eleventh and twelfth grades are eligible for membership.

*A faculty council will be responsible for selecting students for the Honor Society. The selections will be based on the students’ scholarship, leadership, character and service.

*The student must have a cumulative grade average of 90 or above to be considered for membership.

*Leadership and service qualified will also be considered in selections. Those students who are eligible scholastically will be asked to fill out a form outlining their positions of leadership in and service to the school and community for evaluation by the faculty council.

- English – Must complete four years of English which must include at least three years of Honors English or above.
- History – Must complete four years of history which must include at least two years of honors or above.
- Science – Must complete four years of science at Biology level or above. Environmental Science and Earth/Space Science do not meet the requirements.
- Mathematics – Must complete at least four years at Algebra I level or above. Algebra A, Algebra B, Basic Geometry and Algebra II without Trig do not meet the requirements.
- Foreign Language – Must complete at least two years. Must have taken or be enrolled in by the junior year.
- Electives – All grades for elective courses will count in averaging for the Honor Society.
- Physical Education – Must complete at least 1 year in actual PE class, band, or athletics unless there is approved religious, medical or administrative exemption.

*Even if a student has a 90 or above average, he/she may not be considered for membership if poor citizenship is displayed. Unacceptable behavior includes violation of school rules or civil law. Faculty council members will consider input from all interested parties, including faculty members.

*To maintain membership each member must continue to follow the rules of good behavior and exemplary character under which he/she was inducted. Members must continue to serve in their community and submit their approved hours in the spring of each year. Additionally, cumulative grade averages are checked each semester to assure that members maintain the required 90 or above.

In November of each year, the National Honor Society will induct new members from the junior and senior classes.

NCAA ELIGIBILITY CLEARINGHOUSE

Attention College – Bound Student Athletes:

View the NCAA website for the most current information about academic eligibility requirements, required core courses, grade point averages and college entrance scores.

Students, who enroll in a Division I college in Fall 2008 or later and want to participate in intercollegiate athletics, must complete the following courses:

- Four credits of English
- Three credits of Math (Alg I & higher level) (Alg Con does not meet this requirement)
- *Two credits of natural or physical science
- *One additional credit of English, Math or Science
- *Two credits of Social Studies
- *Four credits of additional courses from above or Foreign Language

Student- Athletes who are interested in being recruited by Division I or Division II colleges or universities must register with the NCAA Clearinghouse. The NCAA suggest that student – athletes register with the clearing house and submit a transcript of grades after the completion of their junior year. Student – athletes should submit all of their test scores to the NCAA Clearinghouse. The NCAA Clearinghouse will no longer accept test scores reported on a high school transcript. The NCAA Clearinghouse reporting code is 9999 for both SAT and ACT.

Visit their website for more information and/or to register with NCAA Clearinghouse: www.ncaaclearinghouse.net or www.ncaa.org or call 1-877-262-1492 (8-5 PM, Mon – Fri)
All students at all levels of English and Language Arts will have a summer reading that is due at the beginning of the school year. It is the responsibility of the student to obtain the book and complete the assignment before the first day of class.

FRESHMAN ENGLISH -- Summer Reading Requirement: Students will select one of the following novels to read during the summer: The Uglies by Scott Westerfield, Gentlehands by M. E. Kerr, or The Adventures of Tom Sawyer by Mark Twain. Students will be tested on the book within the first week of school.

9th grade ESL Students: The Summer of Swans by Betsy Byars; The House on Mango Street by Sandra Cisneros

HONORS FRESHMAN ENGLISH -- Summer Reading Requirement: Students will read The Chosen by Chaim Potok and The Uglies by Scott Westerfield. Students will be tested on the books within the first week of school.

Pre AP/DP English 9 -- Summer Reading Requirement: Students will read The Chosen by Chaim Potok. Students will be tested on the books within the first week of school.

SOPHOMORE ENGLISH -- Summer Reading Assignment -- Students taking Sophomore English will read from one of the three novels listed below. *Their Eyes Were Watching God by Zora Neale Hurston *Cold Sassy Tree by Olive Ann Burns, *All Over But the Shoutin’ by Rick Bragg

10th grade ESL --Sophomore’s read one of the following: Home of the Brave by Katherine Applegate; Walk Two Moons by Sharon Creech; Where the Red Fern Grows, Wilson Rawls

HONORS SOPHOMORE ENGLISH -- Summer Reading Requirement: Students will choose two of the following novels for summer reading: All Over But the Shoutin’, by Rick Bragg, Their Eyes Were Watching God, by Zora Neale Hurston and Cold Sassy Tree by Olive Burns and will be tested on the two novels the first week of school.

JUNIOR ENGLISH Summer Reading Requirement: Students will select one of the following novels: Ethan Frome by Edith Wharton, A Long Way Gone: Memoirs of a Boy Soldier by Ishmael Beah, or In Cold Blood by Truman Capote and take a test on the novel within the first few weeks of school.

11th grade ESL Junior’s read one of the following: Child of the Owl by Laurence Yep; Tonight on the Titanic by Mary Pope Osborne; The Westing Game by Ellen Kaskin
Prerequisite: Completion of Sophomore English or Honors Sophomore English.

HONORS JUNIOR ENGLISH -- Summer Reading Requirements: Students will read two of the following: Ethan Frome by Edith Wharton, In Cold Blood by Truman Capote, A Long Way Gone by Ishmael Beah, Travels with Charlie by John Steinbeck, or Ecology of a Cracker Childhood by Janisse Ray. Students will be tested on the books within the first few weeks of school.

ADVANCED PLACEMENT ENGLISH 11 - A summer reading assignment is required see Mrs. Strough for details.

SENIOR ENGLISH - Summer Reading Requirement: Students will select one of the following novels: Pride and Prejudice by Jane Austin, Fallen Angels by Walter Dean Myers, Rebecca by Daphne du Maurier, or A Gathering of Old Men by Ernest Gaines. Students will take a test within the first few weeks of school.

12th grade ESL students read one of the following Senior: Fallen Angels by Walter Dean Myers; Dragonwings by Laurence Yep; Tuck Everlasting by Natalie Babbit

HONORS SENIOR ENGLISH -- Summer Reading Requirement: Students will read Wuthering Heights by Emily Brontë and 1984 by George Orwell and will be tested on the books within the first week of school.

ADVANCED PLACEMENT ENGLISH 12 - A summer reading assignment will be announced in May and will be due the first day of school.