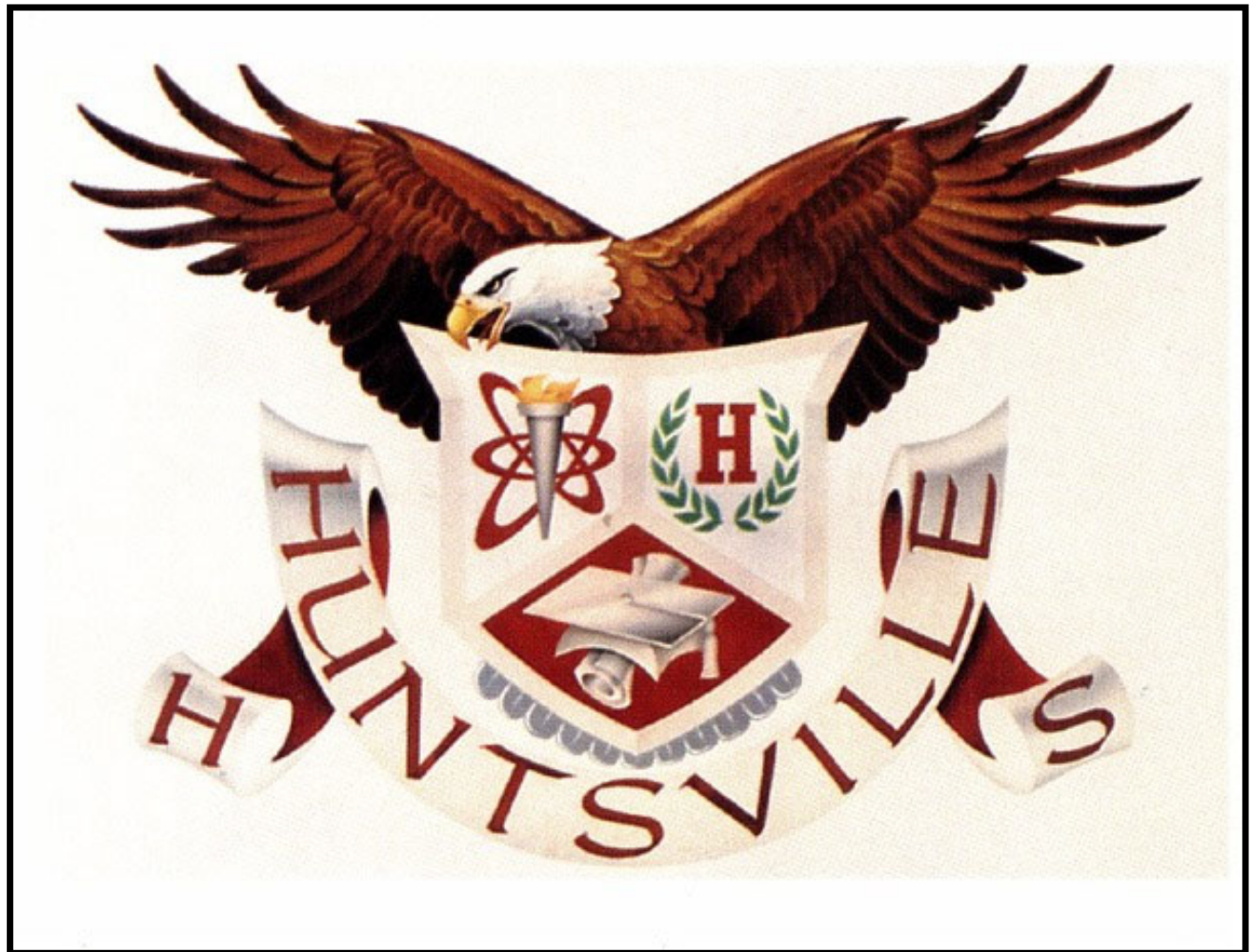


HUNTSVILLE HIGH SCHOOL

Home of the Eagles



Course Content Catalog

2019-2020



Dear Parents, Guardians and Students:

Each year we prepare a Course Content Guide for your use in planning your class selection for the upcoming school year/s and to help you prepare for your yearly Career Action Plan conference. In addition to providing you with course descriptions for each department you will find information on graduation requirements, honor programs, grading, etc.

We encourage you to take time to look over this information. Each course description lets you know what grade level may take the course, what the prerequisites are and how much credit the class is worth. High school teachers are the greatest source of information when making course selections. If you have a question regarding a particular course, please consult the teacher by calling the high school office at (479)738-2500.

The master schedule for the 2019-2020 school year will be created by calculating the course requests received from the CAP conferences. The number of requests determines how many sections of each class will be offered or even if a course will become a class. **This is why we emphasize the importance of the student knowing exactly what he/she is signing up for during CAP. Students are expected to abide by their choices in the upcoming school year.**

Students and parents work together to plan the courses to be taken for the entire four years of high school, not simply those to be taken in the coming year. To do so, use the graduation requirement guidelines along with the other information in the catalog such as the honors program information and the Workforce Education Completer information guide.

Graduation from Huntsville High School is the responsibility of the student, parent and faculty. The high school staff can and will give advice about the courses offered, but ultimately, success in high school is the responsibility of the student with the supervision and support of the parent.

In closing, please review the entire Course Content Guide and contact us with any questions you have. Thank you for your thoughtful participation in the course selection process.

Sincerely,
The Huntsville High School Administration, Faculty and Staff

TABLE OF CONTENTS

For Your Information	page 4
Graduation Requirements, Honors/High Honors	page 5
Workforce Education Completer Information	page 6
English Language Arts & Communications	pages 7-9
Social Studies	pages 9-12
Science	pages 13-15
Mathematics	pages 15-17
Foreign Language	pages 17
Health, Physical Education, Athletics	pages 18
Medical Professions	page 19
Fine Arts Course	pages 19-20
Family and Consumer Science	pages 20-21
Business/Marketing Technology	pages 22-23
EAST	page 23
Automotive	pages 24
Agriculture	pages 25-26
Theatre and Performing Arts	pages 27
Miscellaneous Courses	pages 28

- ***Virtual Arkansas courses will be released in early April 2019.***
- ***Students interested in taking college courses (algebra, Comp, etc.) should note this on their CAP request sheets and the counselors will hold a meeting about the application process in early April.***

For Your Information

Definitions:

Course Load– A student must have a minimum of seven periods of instruction, which may include instruction at approved post-secondary institutions.

Period – 45 or 55-minute class with seven to eight periods in a day

Semester – 18 weeks of instruction, equal to ½ credit

Valedictorian – Students who meet the requirements for the High Honors Program and have a GPA higher than a 4.0 will be considered a valedictorian. If no one is higher than 4.0, then the next highest GPA is valedictorian.

Salutatorian – After the valedictorians are determined, the salutatorian/s will be a High Honor graduate with the next highest GPA.

Semester 1		Semester 2	
August 2017-December 2017		January 2018 – May 2018	
1 st Nine Weeks	2 nd Nine Weeks	3 rd Nine Weeks	4 th Nine Weeks

Grading Scale:

All Classes	Regular, Honors, College Placement	AP Courses
A – 90 – 100%	A – 4.00	A – 5.00
B – 80 – 89%	B – 3.00	B – 4.00
C – 70 – 79%	C – 2.00	C – 3.00
D – 60 – 69%	D – 1.00	D – 2.00
F- 0 – 59%	F – 0.00	F – 0.00

Schedule Changes – Students have 5 days to change their schedule at the beginning of each semester.

* AP students will have 10 days to switch out of an AP course.

Huntsville High School reserves the right to make changes as required in course offerings and curricula.

Arkansas Academic Challenge Scholarship

The Arkansas Academic Challenge Scholarship is approximately \$14,000 over four years of college. To qualify you must score a 19 or higher on the ACT. Apply online at <http://scholarships.adhe.edu/> by June 1st, 2019. More information can be obtained in the counselors' office.

New Amounts:

- \$1,000 for freshman at 4 year college
- \$4,000 for sophomore at 4 year college
- \$4,000 for junior at 4 year college
- \$5,000 for senior at 4 year college

- \$1,000 for year one at 2 year college
- \$3,000 for year two at 2 year college

Smart Core

Recommended for all college bound students.

Required in order to be an Honor Graduate, High Honor Graduate, Salutatorian, or Valedictorian.

- Students must meet all regular graduation requirements PLUS:
 - Chemistry or Physics
 - Algebra 2 and one higher math (Algebra 3, College Algebra, AP Statistics, Pre-cal/Trig, or AP Calculus)

HONOR GRADUATES: Complete the smart core curriculum, cumulative GPA of **3.25** or higher, complete at least **6** honors or AP courses with a minimum of one AP course in the areas of either math, science, or social studies AND one AP course in the English area. Must have **one** foreign language course.

HIGH HONOR GRADUATES: Complete the smart core curriculum, cumulative GPA of **3.5** or higher, complete at least **11** honors or AP courses with a minimum of **two** AP courses in the areas of either math, science, or social studies AND **two** AP courses in the English area. Must have **two** foreign language courses.

Graduation Requirements for Huntsville High School

Subject	Huntsville Graduation Requirements (Core)	Recommended College Prep Core & Requirements for Honor Graduates (Smart Core)	High Honors Requirements Must complete 22 semesters of honor courses**
English	4 Credits One each in English 9, 10, 11 and 12	4 Credits One each in English 9, 10, 11 and 12	4 Credits One each in English 9, 10, 11 and 12
Math	4 Credits Must include 1 credit each: Algebra 1 or its equivalent (1 st Part Alg 1 and 2 nd Part Alg), Geometry and one higher math. A 2-year algebra equivalent (A/B) may be counted as two units of the four (4) unit requirement.	4 Credits Must include 1 credit each: Algebra 1; Geometry; Algebra 2 and one higher math . Algebra 1 may be taken in grades 8-9. Must complete Algebra 2 and take a higher math course in grades 11 and/or 12.	4 Credits Must include 1 credit each: Algebra 1, Geometry, Algebra 2 and one higher math. Algebra 1 may be taken in grades 8-9. Must complete Algebra 2 and take a higher math course in grades 11 and 12.
Social Studies and ½ Social Studies elective credit	3 Credits Must include at least 1 credit in World History, U.S. History, ½ credit in Civics and ½ credit of Economics	3 Credits Must include at least 1 credit in World History, U.S. History, ½ credit in Civics and ½ credit of Economics	3 Credits Must include at least 1 credit in World History, U.S. History, ½ credit in Civics and ½ credit of Economics
Science	3 Credits Must include at least 1 credit Physical Science and 1 credit in Biology; 1 credit in a Science Elective	3 Credits Must include at least 1 credit in Physical Science, Biology and Chemistry or Physics with lab experience chosen from Physical Science, Biology, Chemistry or Physics	3 Credits Must include at least 1 credit in Physical Science, Biology and Chemistry or Physics with lab experience chosen from Physical Science, Biology, Chemistry or Physics
Physical Education	½ credit While ½ unit is required for graduation; no more than one (1) unit may be applied toward fulfilling the necessary units to graduate.	½ credit While ½ unit is required for graduation; no more than one (1) unit may be applied toward fulfilling the necessary units to graduate.	½ credit While ½ unit is required for graduation; no more than one (1) unit may be applied toward fulfilling the necessary units to graduate.
Health & Safety	½ credit	½ credit	½ credit
Fine Arts	½ credit (Art, Band, Choir, or Theater Arts)	½ credit (Art, Band, Choir, or Theater Arts)	½ credit (Art, Band, Choir, or Theater Arts)
Oral Communication	½ credit Included within 10 th grade English, starting with the class of 2018.	½ credit Included within 10 th grade English, starting with the class of 2018.	½ credit Included within 10 th grade English, starting with the class of 2018.
Foreign Language	Not required	Not required	2 credits of the same foreign language
Total Credits	Plus 6 electives to make at least 22 total credits earned	Plus 6 electives to make at least 22 total credits earned	Plus electives to make at least 22 total credits earned GPA of 3.5000 or higher

**Two honors/AP courses in English and two honors/AP courses in the areas of math, science, or history required.

Career Focus Completer Information

Students who take Career and Technical Education courses that are one credit and last a full year or .5 credit and last a semester are recommended to remain in that course for the full time. THESE COURSES ARE TESTED BY THE STATE DEPARTMENT OF CAREER AND TECHNICAL EDUCATION WITH AN END OF COURSE EXAM.

The following progression shows the areas of study offered in the Workforce Education Program. Students who qualify as COMPLETERS are recognized with certificates of completion.

AGRICULTURE

Animal Science (3 credits needed)

Need:

Survey of Ag Systems (Formerly Ag Sci & Tech), Animal Science 1 (1/2 credit) and Animal Science II (1/2 credit), one other Ag course.

Other Ag courses include: Ag metals, Ag structures, Ag Power systems, Ag electricity, Adv. Animal science, Equine science, Beef science, Leadership & Communication

Family & Consumer Sciences

Education and Training (3 credits needed)

Need:

Orientation to Teaching, Human Relations, Leadership Service, one other additional FACS courses

FACS Education (3 credits needed)

Need:

FACS, 2 additional FACS courses

Other FACS courses include: Human Relations, Foods & Nutrition, Nutrition & Wellness, Leadership and Service

Business

Option 1 (3 credits needed)

Need:

Computerized Business Apps, Marketing and Marketing Mgt (concurrent)

Option 2 (3 credit needed)

Need:

Computerized Business Apps, Marketing, Small Business Operations

Option 3 (3 credits needed)

Need:

Computerized Business Apps, DC1 and DC2, DC3, and DC4

Automotive Service Technology

Need:

Steering and Suspension, Brakes, and Engine Performance OR Electrical Systems

ENGLISH LANGUAGE ARTS AND COMMUNICATION

In the English classes, each nine week will contain a module unit that will focus on an anchor piece of literature, with supplemental materials that connect thematically or content wise to the anchor piece of literature. Students will be reading texts independently both inside and outside of class. Students will be writing various essays and will be required to do a research project EACH nine weeks in all regular English classes.

410000 English 9

Level: 9 1 credit

Prerequisite: None

This course contains four modules. The modules will focus on literature, informational texts, and world literature. The informational module will focus on a non-fiction anchor piece. There will be two modules that focus on informational texts. In this course, students will study a variety of literature including U.S. historical documents. This course will also contain writing instruction in analysis, argumentation, and narration. Each nine weeks students will be responsible for integrating knowledge from sources and composing a research project that focuses on a concept that ties to the anchor piece for each module. Students will also be required to write essays, and participate in presentations, sometimes leading those presentations. Students will be required to participate in classroom discussion about the text they are studying. Throughout the course, students will continue grammar study as well as the study of language and its structure.

41000H AP Prep English 9 (Honors)

Level: 9 1 credit

Prerequisites: A minimum 3.00 GPA; recommendation of former English and Social Studies teacher.

This course prepares students for future AP high school courses in English focusing on close reading of a text, composition, grammar, and critical thinking skills. Various kinds of composition, including argumentative and analytical, will be required of the student as well as reading of novels, essays, non-fiction, and other text. Students will be expected to have basic knowledge of grammar skills. Students will be responsible for reading and writing outside of class frequently. This class is for those that are self-motivated to learn.

411000 English 10 (with embedded Oral Communications)

Level: 10 1 ½ credits

Prerequisites: English 9

This course contains four modules. The modules will focus on literature, informational texts, and world literature. The informational module will focus on a non-fiction anchor piece. Two of the nine weeks will be focused on information texts as the anchor piece. In this course, students will study a variety of literature including U.S. historical documents. This course will also contain writing instruction in analysis, argumentation, and information and explanatory writing. Each nine weeks students will be responsible for integrating knowledge from sources and composing a research project that focuses on a concept that ties to the anchor piece for each module. Students will be required to cite sources correctly and avoid plagiarism. Throughout the course, students will continue grammar study and the study of language and its structure. Students will also study vocabulary. Students will also be required to write essays, and participate in presentations, sometimes leading those presentations. Students will be required to participate in classroom discussion about the text they are studying. By the end of the 10th grade, students will be expected to read information and literary materials independently. These readings may be full length novels, shorter novels, or non-fiction literature on grade level.

414000 Oral Communications (embedded into English 10) required for all 10th grade

Level: 10

Prerequisite: None

This one-semester Oral Communication course will provide students with an understanding of the dynamics of effective communication when speaking, listening, and responding. Students will express ideas and present information in a variety of communication tasks including small group discussion, formal and informal presentations, and oral interpretation of literature. Students will develop basic communication competencies including ethical practices in communication; recognition of communication barriers; and effective use of interpersonal communication, listening, verbal and nonverbal messages, and use of digital media. ***This course fulfills the ½ unit of Oral Communication required for graduation.***

41100H AP Prep English 10 (Honors)

Level: 10 1 credit

Prerequisites: English 9

This course prepares students for future AP high school courses in English focusing on close reading of a text, composition, grammar, and critical thinking skills. Various kinds of projects and composition will be required of the student as well as reading of novels, essays, non-fiction, and other text. Students will be responsible for reading and writing outside of class frequently. Students will be expected to have basic knowledge of grammar skills. Students must be self-motivated to succeed in this class.

412000 English 11**Level: 11 1 credit****Prerequisites: English 9, 10**

This course contains four modules. The modules will focus on literature, U.S. foundational texts, American Literature, and Informational texts. The informational module will focus on a non-fiction anchor piece. This course will also contain writing instruction in analysis, argumentation, and information and explanatory writing. Each nine weeks students will be responsible for integrating knowledge from sources and composing a research project that focuses on a concept that ties to each anchor piece. Students will be required to cite sources correctly and avoid plagiarism. Throughout the course, students will continue grammar study and the study of language and its structure. Students will also study vocabulary. Students will also be required to write essays, and participate in presentations, sometimes leading those presentations. Students will be required to participate in classroom discussions about the text they are studying.

517040 AP English Literature and Composition**Level: 11 1 credit****Prerequisites: English 9, English 10**

This course is designed as a preparatory course for college and the AP English Literature and Composition Test, with emphasis on the former. Summer readings are required as are independent readings of novels, short stories and poetry during the school year. Literary analysis is the main type of writing addressed, but creative projects are also assigned. The College Board AP Examination is required.

517030 AP Language and Composition**Level: 12 1 credit****Prerequisites: English 9, English 10, English 11**

This course is designed for students who have proven themselves capable of doing upper level work comparable to college course work. This course has an intense concentration on language use and how skilled writers use it in literature. This course requires students to write expository, analytical, and argumentative essays with sufficient richness and complexity to communicate effectively and requires reading of complex text from various genres and authors with clear understanding. In this course students will be expected to write a memoir which is a project that they will work on the entire year. The College Board AP Examination is required.

413000 English 12**Level: 12 1 credit****Prerequisites: English 9,10,11**

This course is a survey of British literature tracing the development of the English language and its literature, historically. The effect of history on literature is stressed as well as the effect of literature on history. All through the course, different aspects of humanities (art, music, architecture, etc.) are taught, so that the students can get the “whole picture” of literature as a reflection of the times. The student’s knowledge of literature is tested at the end of each unit, as is the student’s knowledge of how literature and history are connected. Grammar, as it relates to writing, is the final major concern of this course.

415000 Journalism I**Level: 10-12 1 credit****Prerequisite: Teacher approval**

Journalism I is a two-semester course designed to introduce students to the world of media. Students in Journalism I will become analytical consumers of media and technology to enhance their communication skills. Writing, technology, and visual and electronic media are used as tools for learning as students create, clarify, critique, and produce effective communication. Students will learn journalistic guidelines for writing, design, and photography, which include objectivity, responsibility, and credibility

417010 Creative Writing**Level: 9 – 12 1 credit****Prerequisite: None**

Students will work to improve and evaluate the writing process—develop and expand their writing effectively—by sharing/publishing work for others in the class to observe and critique. Although most writing will be individually completed, group papers and projects will also be required to enhance writing and presentation skills. Over the course of the semester, students will compose, research, present, and reflect. Objectives and activities of the course include the following:

- Application of the writing process – drafting, editing, and revising to reach publication quality
- Reading and discussion of various written pieces to raise awareness of the basic techniques of literary expression, including narrative strategies, genres, and style.
- Writing using a variety of genres for different purposes and audiences
- Participating in all daily activities and class discussions

971600 E.S.L. (English as a Second Language)**Level: 9-12 1 credit Prerequisite: Students’ proficiency in English will determine placement**

Instruction is provided in all the basic skills of English: listening, speaking, reading, and writing. Extensive vocabulary, spelling, and U.S. idioms are stressed. Practical experiences in the community will be an integral part of this course. Students will receive tutorial help with their other subjects. Instruction will be in English and will be individualized.

416000 ELA Drama (NOT a Fine Art or Speech credit)

Level: 9-12 ½ credit

This course will be taught from the literary perspective and will not meet the half-credit requirement in Fine Arts or Oral Communication. This course focuses on the study of drama (plays) from classical Greek to modern day drama. Students will study tragedy and comedy, write original works, and re-write classics for a modern day spin as well as changing settings.

419110 Critical Reading

Level: 9-12 1 credit

Critical Reading is a two-semester course designed to dramatically accelerate reading growth by strengthening comprehension outcomes in high school grades. In a context of meaningful content, on-going assessment, and focused explicit instruction, students will evaluate literary and informational texts and multicultural literature of diverse formats (e.g., print media, Web-based texts, literary and informational books and articles) and genres. In addition, students will engage in learning events tied to a variety of literary and informational texts with increasing complexity. Additionally, students will demonstrate competencies through purposeful applications based on individual and collective literacy goals. Critical Reading does not require Arkansas Department of Education approval. (There will be a specific criteria established for students to be considered for this course- teacher recommendation, student data, etc.)

496040 Transitional Literacy (Career English)

Level: 11-12

Transitional Literacy is a two-semester English language arts (ELA) course, designed to dramatically accelerate students' literacy skills essential for college and career readiness. In Transitional Literacy, students receive instruction in reading, writing, speaking and listening, and language, emphasizing literary and informational texts from diverse genres in print and digital formats. The texts selected for the course must be within the Grade 11-12 text complexity band and increase in complexity over time. The course closely examines unique characteristics of texts from each discipline and emphasizes the specific strategies needed to comprehend them. The course focuses on developing the requisite literacy skills for success in higher education and the workforce by incorporating texts from ELA, history/social studies, science, and technical subjects. The texts will also be used as models for student writing products, emphasizing both informative and argumentative types.

SOCIAL STUDIES

472000 Civics

Level: 11 - 12 1/2 credit

Course Focus and Content: In Grades K-8, students receive a strong foundation in civics and government. The focus of Civics is the application of civic virtues and democratic principles and investigation of problem solving in society. This course provides a study of the structure and functions of federal, state, and local government. Civics also examines constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, and the importance of civic participation in the democratic process. Skills and Application Throughout the course, students will develop and apply disciplinary literacy skills: reading, writing, speaking, and listening. As students seek answers to compelling and supporting questions, they will examine a variety of primary and secondary sources and communicate responses in multiple ways, including oral, visual, and written forms. Students must be able to select and evaluate sources of information, draw and build upon ideas, explore issues, examine data, and analyze events from the full range of human experience to develop critical thinking skills essential for productive citizens. Civics is required by the Standards for Accreditation and does not need Arkansas Department of Education approval.

Skills and Application

Throughout the course, students will develop and apply disciplinary literacy skills: reading, writing, speaking, and listening. As students seek answers to compelling and supporting questions, they will examine a variety of primary and secondary sources, data, and other graphic evidence and communicate responses in multiple ways, including oral, visual, and written forms. Students must be able to select and evaluate sources of information, draw and build upon ideas, explore issues, examine data, and analyze events from the full range of human experience to develop critical thinking skills essential for productive citizens. Economics is required by the Standards for Accreditation and does not need Arkansas Department of Education approval.

471000 World History Since 1450

Level: 9 - 12 1 credit

Prerequisites: None

Course Focus and Content

In Grade 6, students study world history from the beginnings of human civilization through 1500 CE, correlating civics/government, economics, and geography to the historic eras. World History 9-12 provides an in-depth study of the history of human society from Era 6: Emergence of First Global Age 1450-1770 to Era 9: Contemporary World since 1945. World History is designed to assist students in understanding the human condition, how people and countries of the world have become increasingly interconnected across time and space, and the ways different people view the same event or issue from a variety of perspectives. This course develops an understanding of the historical roots of current world issues, especially as they pertain to international/global relations. It requires an understanding of world cultures and civilizations, including an analysis of important ideas, social and cultural values, beliefs, and traditions. Knowledge of past achievements and failures of different peoples and nations provides citizens of the 21st century with a broader context within which to address the many issues facing our nation and the world. World History references the eras and time periods from The National Center for History in the Schools.

Skills and Application

Throughout the course, students will develop and apply disciplinary literacy skills: reading, writing, speaking, and listening. As students seek answers to compelling and supporting questions, they will examine a variety of primary and secondary sources and communicate responses in multiple ways, including oral, visual, and written forms. Students must be able to select and evaluate sources of information, draw and build upon ideas, explore issues, examine data, and analyze events from the full range of human experience to develop critical thinking skills essential for productive citizens. World History is required by the Standards for Accreditation and does not need Arkansas Department of Education approval.

47100H AP Prep World History (Honors)

Level: 9 1 credit

Prerequisite: None

Pre-AP World History is a one-credit (two-semester) course that is designed to prepare students for college level work and to give them the requisite skills to be successful in their junior or senior year in Advanced Placement United State History. This challenging course requires extensive reading and the used of dialectical notebooks. The course will focus on critical thinking and interpretative skills through the analysis of primary documents and secondary articles. Students will also write frequent free response and document-based question (DBQ) essays. Also analyzed will be data in the form of charts, graphs, tables and maps. The course covers human beginnings/ancient cradles of civilization, Greco-Roman culture, Asian civilizations, the Byzantine Empire and Medieval Europe and Islam, the Renaissance, age of revolution, 18th and 19th-century industrialization, nationalism and imperialism, and the world of the twentieth century. This is a demanding course that requires high student motivation.

470000 United States History Since 1890

Level: 10 1 credit

Prerequisites: None

Course Focus and Content

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

Skills and Application

Throughout the course, students will develop and apply disciplinary literacy skills: reading, writing, speaking, and listening. As students seek answers to compelling and supporting questions, they will examine a variety of primary and secondary sources and communicate responses in multiple ways, including oral, visual, and written forms. Students must be able to select and evaluate sources of information, draw and build upon ideas, explore issues, examine data, and analyze events from the full range of human experience to develop critical thinking skills essential for productive citizens. United States History Since 1890 is required by the Standards for Accreditation and does not need Arkansas Department of Education approval.

570020 AP U.S. History

Level: 11, 12 1 credit

Prerequisite: Advanced students only

This is a college level course designed for strong college-bound students to afford them an opportunity to prepare for the Advanced Placement College Board exam or the CLEP test in American History. This course covers American History from c. 1607 to the present. Skills that are needed are high motivation, excellent critical thinking abilities and highly developed writing and reading skills. Essay writing and reading college books are stressed. You must be willing to put in lots of time. This is a 5-point course for those who make "A's." Students who take any AP course must take both semesters. The College Board AP Examination for the course is also required. Refer to Advanced Placement under Graduation Requirements for more information.

474100 United States Government

Level: 9-12 ½ credit

Prerequisite: Civics

Course Focus and Content

United States Government is a one-semester course that focuses on the theoretical concepts relating to the foundations of government and the practical application of these concepts as they relate to American federalism, to civil liberties, to civil rights, and to our national government. Basic concepts of state and local government and their relationships with the federal government are also examined. Topics include the constitutional framework; federalism; the three branches of government, including the bureaucracy; civil rights and liberties; political participation and behavior; and policy formation. Upon completion, students will demonstrate an understanding of the basic concepts and participatory processes of the American political system.

Skills and Application

Throughout the course, students will develop and apply disciplinary literacy skills: reading, writing, speaking, and listening. As students seek answers to compelling and supporting questions, they will examine a variety of primary and secondary sources and communicate responses in multiple ways, including oral, visual, and written forms. Students must be able to select and evaluate sources of information, draw and build upon ideas, explore issues, examine data, and analyze events from the full range of human experience to develop critical thinking skills essential for productive citizens. United States Government does not require Arkansas Department of Education approval.

572010 AP U.S. Government

Level: 11, 12 1 credit

Prerequisite: Advanced students only

This is a college level course designed to challenge strong college-bound students to afford them an opportunity to prepare for the Advanced Placement College Board exam or the CLEP test in American History. This course covers cultural-political underpinnings of our government, political beliefs and behavior, party politics, interest groups, the three branches of government, the bureaucracy, civil rights and liberties, processes and policies. Skills that are needed are high motivation, excellent critical thinking abilities and highly developed writing and reading skills. Essay writing and reading college books are stressed. You must be willing to put in lots of time. This is a 5-point course for those who make "A's." Students who take any AP course must take both semesters. The College Board AP Examination for the course is also required. Refer to Advanced Placement under Graduation Requirements on pg. 4 for more information.

474500 Sociology

Level: 9-12 ½ credit

Prerequisites: None

Course Focus and Content

Sociology is a one-semester social studies elective course, which introduces students to the social systems that are the foundation of society. An emphasis is placed on culture, social status, social institutions, and social problems, as well as resulting behaviors. Using the tools and techniques of sociologists, students will examine the causes, consequences, and possible solutions for various social issues. Students will read major sociological theorists as well as consider how sociologists approach issues.

Skills and Application

Throughout the course, students will develop and apply disciplinary literacy skills: reading, writing, speaking, and listening. As students seek answers to compelling and supporting questions, they will examine a variety of primary and secondary sources and communicate responses in multiple ways, including oral, visual, and written forms. Students must be able to select and evaluate sources of information, draw and build upon ideas, explore issues, examine data, and analyze events from the full range of human experience to develop critical thinking skills essential for productive citizens. Sociology does not need Arkansas Department of Education approval.

474400 Psychology

Level: 9-12 ½ credit

Prerequisites: None

Course Focus and Content

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

Skills and Application

Throughout the course, students will develop and apply disciplinary literacy skills: reading, writing, speaking, and listening. As students seek answers to compelling and supporting questions, they will examine a variety of primary and secondary sources and communicate responses in multiple ways, including oral, visual, and written forms. Students must be able to select and evaluate sources of information, draw and build upon ideas, explore issues, examine data, and analyze events from the full range of human experience to develop critical thinking skills essential for productive citizens. Psychology does not need Arkansas Department of Education approval.

474600 World Geography

Level: 9-12 ½ credit

Prerequisites: None

Course Focus and Content

Students develop foundational geographic knowledge and skills. In Grade 7, students hone skills and understanding of human and physical geography as they examine the various regions of the world. World Geography in Grades 9-12 continues to deepen geographic reasoning, knowledge, and skills as students focus on spatial relationships, places, regions, and human systems. This course emphasizes the interaction of

humans and their physical and cultural environments. Students will use spatial and environmental perspectives and available geospatial technologies to analyze and interpret a variety of geographic representations, pictorial and graphic evidence, and data. This type of geographic inquiry helps students understand and appreciate their own place in the world and fosters curiosity about Earth's wide diversity of environments and cultures.

Skills and Application

Throughout the course, students will develop and apply disciplinary literacy skills: reading, writing, speaking, and listening. As students seek answers to compelling and supporting questions, they will examine a variety of primary and secondary sources and communicate responses in multiple ways, including oral, visual, and written forms. Students must be able to select and evaluate sources of information, draw and build upon ideas, explore issues, examine data, and analyze events from the full range of human experience to develop critical thinking skills essential for productive citizens. World Geography does not need Arkansas Department of Education approval.

AP Human Geography 57908H

Level: 9-12 1 credit

Prerequisites: None

AP Human Geography presents students with the curricular equivalent of an introductory college-level course in Human Geography or Cultural Geography. Content is presented thematically rather than regionally and is organized around the discipline's main subfields: economic geography, cultural geography, political geography, and urban geography. An emphasis is placed on understanding the world in which we live today. Historical information is used to enrich analysis of the impacts of phenomena such as globalization, colonization, and human-environment relationships on places, regions, cultural landscapes, and patterns of interaction.

474300 Economics

Level: 11 - 12

1/2 credit

Course Focus and Content: In Grades K-8, students receive a strong foundation in economics. One-semester Economics for Grades 9-12 emphasizes economic decision making. Students will explore the interrelationships among consumers, producers, resources, and labor as well as the interrelationships between national and global economies. Additionally, students will examine the relationship between individual choices and the direct influence of these choices on occupational goals and future earning potential.

Skills and Application

Throughout the course, students will develop and apply disciplinary literacy skills: reading, writing, speaking, and listening. As students seek answers to compelling and supporting questions, they will examine a variety of primary and secondary sources, data, and other graphic evidence and communicate responses in multiple ways, including oral, visual, and written forms. Students must be able to select and evaluate sources of information, draw and build upon ideas, explore issues, examine data, and analyze events from the full range of human experience to develop critical thinking skills essential for productive citizens. Economics is required by the Standards for Accreditation and does not need Arkansas Department of Education approval.

SCIENCE

423000 Physical Science - Integrated Course

The Arkansas K-12 Science Standards for physical science - integrated is an integrated science course that focuses on conceptual understanding of foundational core ideas, science and engineering practices, and crosscutting concepts, and is composed of physical science, Earth and space science, life science, and engineering design standards. Students will earn 1 unit of Smart Core/physical science credit for graduation. It is recommended that students be enrolled in Algebra I concurrently with this course. Teachers with chemistry, physics, physical science, physical/Earth, and physics/math licenses are qualified to teach this course.

Students in physical science - integrated continue to develop their understanding of the core ideas in the physical, life, and earth and space sciences learned in middle school. These ideas include the most fundamental concepts from chemistry, physics, biology, and Earth and space science but are intended to leave room for expanded study in upper-level high school courses. The performance expectations in physical science - integrated build on the middle school ideas and skills and allow high school students to explain more in-depth phenomena central not only to the physical sciences, but to life and earth and space sciences as well. There are six topics in physical science - integrated: (1) Elements, Matter, and Interactions, (2) Matter in Organisms, (3) Forces and Motion, (4) Energy, (5) Waves, and (6) Interactions of Humans and the Environment.

42300H AP Prep Physical Science

Level: 9 1 credit

Co-requisite: Algebra 1

This course includes the same curriculum described under Physical Science but goes more in depth in many areas particularly in the area of mathematical analysis and application. It introduces the basic principles of the physical sciences of chemistry and physics. Topics in introductory chemistry include the basic composition, structure, and properties of matter and how matter is affected by physical, chemical, and nuclear changes as well as changes in energy. Topics in introductory physics include analysis of the motion of objects through the application of Newton's laws of motion and the law of conservation of energy. Some laboratory and project work is required.

420000 Biology - Integrated Course

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

Students in biology - integrated develop understanding of key concepts that help them make sense of the interactions between life science and Earth and space science. The ideas are building upon students' understanding of disciplinary ideas, science and engineering practices, and crosscutting concepts from earlier grades. There are seven topics in biology - integrated: (1) Cycling of Matter and Energy, (2) Structure and Function, (3) Biodiversity and Population Dynamics, (4) Genetic Variations in Organisms, (5) Evolution by Natural Selection, (6) Earth's Changing Climate, and (7) Humans and Natural Systems. The performance expectations (standards) for biology - integrated blend core ideas with scientific and engineering practices and crosscutting concepts to support students in developing usable knowledge that can be applied across the science disciplines. While the performance expectations indicate particular practices to address specific disciplinary core ideas, it is recommended that teachers include a variety of practices and strategies in their instruction.

42000H AP Prep Biology

Level: 10-12 1 credit

Prerequisite: Physical Science

Pre-AP Biology is considered an advanced General Biology course. It is specifically designed to prepare the college bound science major for our AP Biology course. It will emphasize the development of student's scientific process skills, laboratory techniques, and understanding of the fundamental principles of living organisms. It consists of a comprehensive survey of biochemistry, cellular biology, molecular genetics and heredity, diversity, structure and function of organisms, and ecology. Several lab investigations will be completed and lab sheets/reports will be required. It is a very interactive class and requires student dedication. Although the topics covered are the same as those in General Biology, the discussion topics and evaluations are much more extensive.

520030 AP Biology

Level: 11-12 1 credit

Prerequisite: Biology and Chemistry

AP Biology is an advanced, college level biology course and is available only to those students who have already completed Biology and Chemistry. It builds on concepts covered in General Biology and requires a great amount of reading and class preparation. It includes a comprehensive study of biochemistry, cellular biology, molecular genetics and heredity, biotechnology, diversity, structure and function of organisms, and ecology and evolution. Several required lab investigations will be completed and lab assignments/reports will be required. All students are also required to take the AP Biology Exam.

424030 Anatomy and Physiology

Level: 11-12 1 credit

Prerequisite: Biology The Arkansas K-12 Science Standards for human anatomy and physiology is a science course that continues to develop conceptual understanding of the core ideas, science and engineering practices, and crosscutting concepts in biology - integrated. Teachers with a biology, life/Earth, life science license (including 611 and 625 technical permits) or others as approved by ADE are able to teach this course. Students will earn 1 Core requirement/career focus credit.

The Arkansas K-12 Science Standards course on human anatomy and physiology is a curriculum framework of high school student performance expectations based on the core ideas of the life sciences (LS) and crosscutting concepts in A Framework for K-12 Science Education (NRC 2012). This is a career-focused course for students interested in medical professions and related fields. The performance expectations build logically from the high school biology course and could be taken concurrently or following principles of chemistry and physics. The performance expectations clarify what students need to know and be able to do at the end of the course. Student performance expectations consist of three dimensions: science and engineering practices, disciplinary core ideas, and crosscutting concepts. Engineering practices are meant to be integrated into science instruction to support the learning of science phenomena at all levels from Kindergarten to Grade 12.

The structure of the human anatomy and physiology course is guided by the crosscutting concepts identified in the Framework that bridge disciplinary boundaries, uniting core ideas throughout the fields of science and engineering. The purpose is to help students understand the disciplinary core ideas and develop a coherent and scientifically based view of the world. Students in human anatomy and physiology develop understanding of key concepts that help them make sense of the interactions among the eleven human body systems.

These include:

- Integumentary System
- Skeletal System
- Muscular System
- Respiratory System
- Circulatory System
- Digestive System
- Nervous System
- Endocrine System
- Lymphatic System
- Urinary System
- Reproductive System

(Does not meet Smart Core science requirement.)
stem

42403H Honors Anatomy and Physiology

Level: 11-12 1 credit

Prerequisite: Biology

This course is a comprehensive study of the eleven systems of the human body. Laboratory investigations and hands-on activities are an important part of this class. Exams are challenging and often contain diagrams of human body structures. Students are required to keep a class notebook, which will be organized and turned in each semester. Students in the Honors section will be required to do additional reading, will have more opportunities for writing essays, and will be tested using alternate exams.

421000 Chemistry - Integrated Course

The Arkansas K-12 Science Standards for chemistry - integrated is an integrated science course that focuses on conceptual understanding of the foundational chemistry and physics core ideas, science and engineering practices, and crosscutting concepts and is composed of chemistry, physics, Earth and space science, and engineering design standards. It is recommended that students be enrolled in algebra II concurrently with this course. Teachers with chemistry, physics, physical Science, physical/Earth, or physics/math licenses are qualified to teach this course. Students will earn a 1 unit of Smart Core/chemistry credit for graduation.

Students in chemistry - integrated fully develop their understanding of the core ideas in the physical and Earth and space sciences. These ideas include the more complex concepts from chemistry, physics, and Earth science but are intended to leave room for expanded study in career-focus high school courses. The performance expectations (standards) build on the physical science ideas and skills and allow high school students to explain more in-depth phenomena foundational to chemistry, physics, and Earth and space sciences as well. These performance expectations blend the core ideas with scientific and engineering practices and crosscutting concepts to support students in developing usable knowledge to explain ideas across these science disciplines. In the physical science performance expectations at the high school level, there is a focus on several scientific practices.

42100H AP Prep Chemistry

Level: 11, 12 1 credit

Prerequisite: Physical Science (Pre-AP preferred) and Algebra I

Pre-AP Chemistry is an advanced chemistry course and is specifically designed to prepare the college bound engineering, science or technology major for our AP Chemistry course. While the topics are much the same as the general chemistry course they are presented at an accelerated pace with much more extensive mathematical analysis and more comprehensive evaluations. Specific topics include the atomic model and the relationship of the atomic model to the periodic table, chemical bonding and its effect of chemical properties, basic chemical reactions and the associated energy changes, basic chemical kinetics and equilibria, and basic nuclear chemistry. Several lab investigations will be completed.

521030 AP Chemistry

Prerequisite: Pre-AP Chemistry (or approval of instructor). Co-requisite: Algebra II

Level: 11,12 1 credit

AP Chemistry is an advanced, college level course in general chemistry. AP chemistry builds upon the concepts learned in pre-AP chemistry taking them further and applying them to more complex situations. Exams are particularly challenging and are modeled on the AP chemistry examination. There will be a great deal of independent study requiring a dedicated and prepared student. Summer study prior to the course

may be required. Topics of study include: measurement and dimensional analysis; atoms and atomic structure including the quantum model, molecules and ions; periodic law; bonding and molecular geometry; formula and reaction stoichiometry; aqueous solutions including solution stoichiometry; thermochemistry and chemical thermodynamics; states of matter; gas laws; chemical kinetics; chemical equilibrium; acid and base chemistry; electrochemistry; nuclear chemistry; and an introduction to organic chemistry. Several lab investigations will be completed. The College Board AP Examination is required.

422000 Physics

Level: 11, 12 1 credit

Prerequisite: Physical Science and Geometry

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

There are seven topics in physics: 1) Motion, (2) Work and Energy, (3) Heat and Thermodynamics, (4) Waves, Sound, and Simple Harmonic Motion, and 5) Electricity.

42200H AP Prep Physics

Level: 11,12 1 credit

Co-requisite: Algebra II

Pre-AP is an advanced, college level course in general Pre-AP Physics. Physics provides a solid conceptual foundation for ground students in the five traditional areas of Physics (Newtonian mechanics, thermodynamics, optics, electricity and magnetism, and quantum mechanics) as well as the nature of science. Student will be expected to complete projects involving electromagnetism and circuits, Rube-goldberg devices, and projectile launchers. Study will emphasize the connection between the theory and real world applications. Students will be expected to compile a scientific journal of their experiments, problems sets, and research.

AP-Physics-C

Level: 11,12 1 credit

Pre-requisite: Physical Science and Algebra II Corequisite: Pre-calculus and trigonometry

AP Physics C: Mechanics is equivalent to a one-semester, calculus based, college-level physics course, especially appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as kinematics; Newton's laws of motion; work, energy and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. As a first physics course the emphasis is on developing a strong conceptual understanding and the ability to read and interpret mathematical statements. Physics is taught from the calculus perspective as required for all chemistry, physics, and engineering students. The minimal amount of calculus required in this first course will be taught as part of the curriculum.

424020 Environmental Science

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

Students in environmental science develop understanding of key concepts that help them make sense of the interactions between Earth science, physical science, and life science. The ideas are building upon students' understanding of disciplinary ideas, science and engineering practices, and crosscutting concepts from earlier grades and previous high school science courses. There are four topics in environmental science: (1) Systems, (2) Energy, (3) Populations, and (4) Sustainability. The performance expectations in environmental science blend core ideas with scientific and engineering practices and crosscutting concepts to support students in developing usable knowledge that can be applied to understanding, explaining, and improving human interactions with Earth systems and resources.

MATHEMATICS

430000 Algebra 1

Level: 9-10 1 credit

Prerequisite: None

This course formalizes and extends the mathematics that students learned in the middle grades. Work is focused on the real number system, algebraic structures, equations, inequalities, and functions. Additional emphasis is given to modeling and interpreting categorical and quantitative data. Appropriate technology as well as the eight Standards for Mathematical Practice will be used to prepare students for success in CCSS Algebra I.

431000 Geometry

Level: 9-12 1 credit

Prerequisite: Passed 1st and 2nd Part Algebra 1 or Algebra 1

The purpose of this course is to extend a student's geometric experiences from the middle grades. The focus is on concepts such as congruence, similarity, measurement, and dimension that include properties of right triangles, trigonometric functions, and special right triangles. Students will model with geometry and express geometric properties with equations. Students are furnished a TI-84 graphing calculator.

43100H Geometry (Honors)

Level: 9-12 1 credit

Prerequisite: Algebra 1 with a final grade of "B" and teacher recommendation

The purpose of this course is to extend a student's geometric experiences from the middle grades. The focus is on concepts such as congruence, similarity, measurement, and dimension that include properties of right triangles, trigonometric functions, and special right triangles. Students will model with geometry and express geometric properties with equations. Students in this class will extend and further explore properties that go beyond regular geometry. Students are furnished a TI-84 graphing calculator.

435000 Bridge to Algebra II

Level: 09 – 12 1 credit

Prerequisite: Algebra I or Algebra A and B. This class is CLOSED to students who have completed Algebra 2.

This course is for students who have completed Algebra I, but need additional algebraic skills to be successful in Algebra 2. The focus is on reinforcement of linear, quadratic, and exponential concepts. Students are furnished a TI-84 graphing calculator.

Does not meet Smart Core requirements

432000 Algebra 2

Level: 10-12 1 credit

Prerequisites: Algebra I or Algebra A and B. This course may be taken concurrently with Geometry.

This course is a continuation of the study of exponential and quadratic functions as well as the study of rational, radical, logarithmic, trigonometric, and polynomial functions and their transformations. Students will continue to learn about sequences, statistical analysis, and will solve equations using complex numbers. Students are provided a TI-84 graphing calculator.

43200H AP Prep Algebra 2

Level: 10-12 1 credit

Prerequisite: Algebra I (Pre AP preferred) This course may be taken concurrently with Geometry, Honors Geometry recommended.

This course is a continuation of the study of exponential and quadratic functions as well as the study of rational, radical, logarithmic, trigonometric, and polynomial functions and their transformations. Students will extend their knowledge of sequences, statistical analysis, and will solve equations using complex numbers. Students in this class will extend and further explore properties and functions that go beyond regular Algebra 2. Students are provided a TI-84 graphing calculator.

439070 Algebra III

Level: 11-12 1 Credit

Students in Algebra III will be challenged to increase understanding of algebraic, graphical, and numerical methods to analyze, translate, and solve polynomial, rational, exponential, and logarithmic functions as well as a study of matrices, sequences, series and conics. Modeling real-world situations is an important part of this course. Students are furnished a TI-84 graphing calculator.

433000 Pre-Calculus with Trigonometry

Level: 11-12 1 credit

Prerequisites: Algebra 1, Algebra 2 and Geometry

Pre-Calculus will emphasize a study of trigonometric functions and identities as well as applications of right triangle trigonometry and circular functions. Students will use symbolic reasoning and analytical methods to represent mathematical situations, express generalizations, and study mathematical concepts and the relationships among them. Students will use functions and equations as tools for expressing generalizations. . Students are furnished a TI-84 graphing calculator.

534040 AP Calculus AB

Level: 12 1 credit

Prerequisites: Algebra 1, 2, Geometry, Pre-Calculus with Trigonometry

This is an Advanced Placement course and therefore covers the material found in the first semester calculus curriculum of most colleges and universities. Differential and integral calculus are examined with emphasis on limits and how they are connected to both branches. A graphing calculator (TI-84+, TI-89, or equivalent) is required for AP Calculus AB. The goal of this course is to provide students with the skills needed to pass the AP Calculus AB exam and thus receive college credit. . Students are furnished a TI-84 graphing calculator.

539030 AP Statistics**Level: 11,12 1 credit****Prerequisite: Successful completion of Algebra II (with a grade of B or better strongly recommended)**

AP Statistics is a two-semester course similar to a college level introductory course in statistics and is based on College Board guidelines. Students will develop and apply problem solving statistical skills with major emphasis on exploratory analysis, planning a study, probability, and statistical inference. Students will analyze data, measures of central tendency and variability, random variables, sampling Confidence intervals, covariance and correlation, central limit theorem, normal curve distribution, and perform hypothesis testing. College credit can be earned with an acceptable score on the AP Statistics exam. This course may fulfill the fourth math credit required under Smart Core graduation requirements.

439100 Computer Science and Mathematics (Coding and Gaming)**Level: 11,12 1 credit****Prerequisite: Successful completion of Algebra II or concurrently enrolled**

This course is designed to provide students with the opportunity to explore the uses of mathematics and computer programming as tools in creating effective solutions to complex problems. Students will develop fundamental skills of computer science within a mathematical context. Computer Science and Mathematics may be counted as a fourth math credit course under Smart Core. TI-84 Graphing Calculator will be provided.

FOREIGN LANGUAGE**440000 Spanish 1****Level: strong 9-12 1 credit****Prerequisite: None**

In Spanish I students learn beginning Spanish skills. Listening and speaking Spanish are emphasized in the first nine weeks but reading and writing using basic vocabulary and grammatical structures are an integral part of this course. Students will practice using Spanish in real-life situations. Hispanic customs and cultures will be studied through geography, food, history, music, dance, video, guest speakers and other media. Computer technology will be used to enhance student learning.

440020 Spanish 2**Level: strong 10-12 1 credit****Prerequisite: Spanish 1**

This is an intermediate level in Spanish. In Spanish 2, students will review grammar and vocabulary learned in Spanish I. Skills in listening, speaking, reading, and writing in Spanish will be emphasized. Present and past tenses will be stressed as well as increasing vocabulary. Students will learn more about Hispanic culture around the world. The teacher will frequently use Spanish to converse and to instruct Spanish 2 students. Computer technology will be used to enhance student learning.

540040 Spanish 2 (Honors)**Level: 10-12 1 credit****Prerequisites: Passed Spanish 1 with a grade of at least "B"**

Honors Spanish 2 is a course in which the student will advance in the language at a faster pace than a non-honors class. The student will do individual study of the language on his/her own, and class time will be reserved for oral practice and expansions of the material studied by means of conversation, study of grammatical points, new expressions and idioms based on the study of the materials, and other relevant ways.

540030 Spanish 3**Level: 11-12 1 credit****Prerequisite: Spanish 1 and 2 with a grade of at least "C"**

Spanish 3 focuses on practical oral and written skills in present, future, and past tenses. Translating, skit writing and other projects will build these skills. Cultural education continues. The class will be conducted almost entirely in Spanish, and students will be expected to use mostly Spanish for communicating.

540100 SPAN for Native Spanish Speakers I**Level: 9-12 1 credit****Prerequisite: Conversational Spanish, by approval only**

Intended for native speakers (those raised in an environment using mainly a language other than English). Identifies and expands the students' bilingual range through grammar review, vocabulary building, spelling and punctuation, and the development of composition skills. Students will improve literacy through extensive, varied writing activities and exposure to a variety of Hispanic readings. Language skills are improved through oral presentations, debates, class discussions in both formal and informal settings. Hispanic culture and traditions are presented to deepen students' appreciation of the native language.

HEALTH AND PHYSICAL EDUCATION

480000 Health and Wellness

Level: 9 - 12 1 semester, ½ credit

Prerequisite: None

This course is designed to meet the state requirements for graduation. The course covers such areas as physical fitness, emotional health, prevention and control of diseases including STD's and HIV, substance use and abuse, and family life education.

485020 Outdoor Education

Outdoor Education consists of students gaining a better understanding of materials learned through field experiences to explore ecosystems, practice skills, display knowledge learned in the classroom, and provide community service through conservation education, outdoor recreation, character education, and community involvement. Activities include, fly fishing, sport fishing, canoeing, paddling, kayaking, disc golf, ultimate Frisbee, mountain biking, rock climbing, rappelling, backpacking, hiking, camping, cooking, orienteering (map & compass), spelunking, knot tying, area cleanups, archery, water quality monitoring, develop/maintain school recycling program, cardiovascular fitness, strength training, hunter education, shooting sports, boating education, environmental/recreation projects.

485010 Personal Fitness for Life ½ credit

Personal Fitness for Life consists of various activities and games. Students are required to exercise three days a week and walk two days a week on alternate days. Team games include volleyball, kickball, softball, basketball, relay races, soccer, and indoor softball. Table games such as chess and checkers are played the last 15 minutes of each day.

Sr. Boys Athletics Football

Level 10-12 2 semesters, 1 credit

Jr. Boys Athletics Football

Level 9 2 semesters, 1 credit

(Recreational Sports and Activity/Personal Fitness for Life)

Sr. Girls Athletics Basketball

Level 10-12 2 semesters, 1 credit

Jr. Girls Athletics Basketball

Level 9 2 semesters, 1 credit

(Personal Fitness for Life/ Recreational Sports and Activity)

Jr. Boys Athletics Basketball

Level 9 2 semesters, 1 credit

(Personal Fitness for Life/ Recreational Sports and Activity)

Sr. Boys Athletics Basketball

Level 10-12 2 semesters, 1 credit

Jr. Cheerleading

Level 9 2 semesters, 1 credit

(Personal Fitness for Life/ Recreational Sports and Activity)

Sr. Cheerleading

Level 10 – 12 2 semesters, 1 credit

MEDICAL PROFESSIONS

585010 Kinesiology

Level: 10-12 ½ credit

Prerequisite: None

Kinesiology, a semester long course, is the study of movement. This course is for students who desire a profession in medicine, physical therapy, coaching, or athletic training, etc. The student will learn: the use of terminology associated with kinesiology and biomechanics; basic muscle and bone anatomy; to identify injuries and treatments, along with rehabilitation exercises; to identify the basic muscles and muscle groups and learn their relationship to movement activities; to visually observe and make practical analysis of movement activities, mechanical angles as they apply to physical activities and athletics; and types of professions that use the basic concepts of kinesiology.

FINE ARTS

Art I-IV

Visual Art 1 - 450000

Visual Art 2 - 450030

Visual Art 3 - 450040

Visual Art 4 - 450050

Level: 9 – 12 **Credit: 1**

Prerequisites: There is no prerequisite for Visual Art I. The student entering Visual Art II, III, or IV must successfully complete the preceding year of study of Visual Art.

Visual Art I-IV are two-semester courses designed to teach students to apply the elements of art and the principles of design. Students are expected to use a variety of media, techniques, processes, and tools to create original artwork that demonstrates understanding of aesthetic concerns and complex compositions. These basic concepts are introduced at the Visual Art I level. As students progress through each course, they will develop, expand, and increase their real life application of problem solving through artistic maturation. Students will create, critique, reflect, and make connections to art. Students will exhibit original artwork and develop portfolios that reflect their personal growth. Visual Art I will satisfy the one-half credit fine arts requirement for graduation. Arkansas Department of Education approval is not required for Visual Art I, Visual Art II, Visual Art III, and Visual Art IV.

Band (Instrumental Music) I-IV

Course Number: Band I: 451000

Band II: 451040

Band III: 451050

Band IV: 451060

Level: 9-12 **Credit: 1 per course**

Prerequisites: There is no prerequisite for Band I. The student entering Band II, III, or IV must successfully complete the preceding year for Band and/or have the instructor's approval through audit.

Band I-IV are two-semester courses designed for traditional and emerging ensembles. Band I-IV students will demonstrate an ability to apply music fundamentals and instrumental techniques in the production, performance, analysis, and critique of instrumental music performance. Students are expected to apply sight-reading skills, improvisational skills, and performance techniques in solo, small group, and large group settings. Band I-IV students will critique music performances and deeply reflect upon the impact of instrumental music on society as well as societal influences on instrumental music. Students will regularly perform in a variety of settings and will demonstrate successful completion of student learning expectations. Band I, Band II, Band III, or Band IV will satisfy the one-half credit fine arts requirement for graduation. Arkansas Department of Education approval is not required for Band I, Band II, Band III, and Band IV.

Jazz Band I-IV

Course Number: Jazz Band I: 451200

Jazz Band II: 451210

Jazz Band III: 451220

Jazz Band IV: 451230

Level: 9-12 **Credit: 1 per course**

Prerequisites: There is no prerequisite for Jazz Band I. The student entering Jazz Band II, III, or IV must successfully complete the preceding year of Jazz Band and/or have the instructor's approval through audition.

Jazz Band I-IV are two-semester courses designed for traditional and emerging ensembles. Jazz Band I-IV students will demonstrate an ability to apply music fundamentals and instrumental techniques in the production, performance, analysis, and critique of jazz music performance. Students are expected to apply sight-reading skills, improvisational skills, and performance techniques in solo, small group, and large group settings. Jazz Band I-IV students will critique music performances and deeply reflect upon the impact of jazz music on society as well as societal influences on jazz music. Students will regularly perform in a variety of settings and will demonstrate successful completion of student learning expectations.

Jazz Band I Jazz Band II, Jazz Band III, or Jazz Band IV will satisfy the one-half credit fine arts requirement for graduation. Arkansas Department of Education approval is not required for Jazz Band I, Jazz Band II, Jazz Band III, and Jazz Band IV.

Music Appreciation

453030

Level: 9-12 Credit 0.5

This course is designed to acquaint students with the elements of music and the primary musical periods of traditional Western European classical music. Students will have a brief overview of the major composers and their music through class lectures, listening to musical examples in class, reading the text, listening to musical examples provided on the student CD's or recordings, actively engaging in class discussions, attending live concerts of suggested performances, and completing research papers and/or oral presentations pertinent to the course material.

Vocal Music I-IV

Course Number: Vocal Music I: 452000

Vocal Music II: 452040

Vocal Music III: 452050

Vocal Music IV: 452060

Level: 9-12 Credit: 1 per course

Prerequisites: There is no prerequisite for Vocal Music I. The student entering Vocal Music II, III, or IV must successfully complete the preceding year of study of the same content.

Vocal Music I-IV are two-semester courses designed for traditional and emerging ensembles. Vocal music students will demonstrate an ability to apply music fundamentals and vocal techniques in the production, performance, analysis, and critique of vocal music performance. Students are expected to apply sight-reading skills, improvisational skills, and performance techniques in solo, small group, and large group settings. Vocal music students will critique vocal music performances and deeply reflect upon the impact of vocal music on society as well as societal influences on vocal music. Students will regularly perform vocally in a variety of settings and will demonstrate successful completion of vocal music student learning expectations. Vocal Music I will satisfy the one-half credit fine arts requirement for graduation. Arkansas Department of Education approval is not required for Vocal Music I, Vocal Music II, Vocal Music III, and Vocal Music IV.

FAMILY AND CONSUMER SCIENCE

Students who take Career & Technical Education courses that are one credit and last a full year or .5 credit and last a semester should remain in that course for the full time. These courses are tested by the State Department of Career and Technical Education with an end-of-course exam. Students should NOT add or drop one of these courses. Students must take the end of course test in these classes.

493080 Family and Consumer Science

Level: 9-12 1 credit

Prerequisite: None

This year long class is designed to provide students with basic information and skills needed to function effectively within the family and within a changing, complex society. Emphasis is given to the development of competencies related to Family, Career and Community Leaders of America; individual and family relationships; arrangement of personal living space; wardrobe planning and selection; garment care and construction; selection of toys and age-appropriate play activities for children; health and safety procedures related to child care; nutrition and food selection; meal planning, preparation, and service; home management; money management; use of credit and banking services; consumer education; computer use at home, in school, and in the workplace; and career skills. Upon completion of this course, the student should have developed basic life skills that promote a positive influence on the quality of life.

493110 Food and Nutrition

Level: 10-12 ½ credit

Prerequisite: Family and Consumer Science

Focus on the development of skills needed to select, prepare, and serve food that meets nutritional needs of individuals and families. Emphasis in this course is given to the development of competencies related to nutrition, weight control, the food consumer, the effect of technology on food and nutrition, microwave cookery, kitchen organization and equipment, safety and sanitation, menu planning, serving and eating food, food preparation, eating away from home, and jobs and career opportunities in the field of food and nutrition. Upon completion of this course, students should be able to apply sound nutritional practices that will have a positive effect on their health.

493200 Nutrition and Wellness

Level 11 – 12 ½ credit

Nutrition and Wellness enables students to analyze the interaction of nutrition, foods, and fitness for overall wellness of individuals and families throughout the lifespan. In this course students will develop nutrition and fitness habits to make wise decisions regarding healthy living and prevention of disease through these practices. As active learners, students develop higher order thinking skills and academic skills in the areas of math, science, language arts and social studies through the evaluation of relevant nutrition and wellness information. This course is recommended for all students regardless of their career cluster or pathway, in order to build basic nutrition and wellness knowledge and

skills, and is especially appropriate for students with interest in human services, wellness/fitness, health, or food and nutrition related career pathways.

493150 Human Relations

Level: 10-12 ½ credit

Human Relations focuses on the development of skills needed in order to build and maintain successful relationships in the home, community, and workplace. Emphasis is given to the development of competencies related to personality development, decision-making, communication, relationships outside the family, relationships within the family, and careers in the field of human relations. Upon completion of this course, the student should have a better understanding of self; know how to communicate effectively; and be able to establish and maintain effective relationships with family members, peers and others.

493160 F.C.C.L.A. Leadership and Service Learning

Level: 10-12 ½ credit

Prerequisite: None

Leadership and Service Learning emphasizes the importance of leadership skills, volunteerism and professionalism in the development of personal qualities. The course focuses on the benefits of community service, leadership roles, and civic responsibilities. Course projects and activities incorporate and reinforce academic skills such as math and science. Students are encouraged to explore areas of critical and creative thinking, responsibility, and cultural awareness as they relate to character development. Current technology is used to enhance communication skills and promote professionalism.

493070 Food Safety

Level 10-12 ½ credit

Food Safety focuses on the development of essential food safety practices needed to select, receive, store, prepare, and serve food. Students will learn to create and implement an environment of food safety procedures based on the latest FDA food code and local regulations. Upon completion of this course, students should be able to apply sound sanitation practices which will have a positive effect on their health. Skills learned are applicable to the National Restaurant Association, ServSafe Certification.

493140 Housing and Interior Design

Level 10-12 ½ credit

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

493020 Child Development

Level 10-12 ½ credit

Child Development focuses on skills needed to guide the physical, intellectual, emotional, and social development of children. Emphasis is given to the development of competencies related to the study of children, pregnancy and prenatal development, birth and the newborn, types of growth and development, stages of growth and development, rights and responsibilities of parents and children, needs of children, factors influencing the behavior of children, children with special needs, coping with crises, the effects of technology on child development, and careers related to the area of child development. Upon completion of this course, the student should be prepared to care for and guide the development of a child through all stages of growth—within a family, as a child-care professional, or in other experiences with children.

493210 Parenting

Level 10-12 ½ credit

Experiences in the parenting course are designed to assist students in developing and understanding of the parenting process and of parenting skills. Competencies developed in this course will be useful to anyone who lives with, associates with, or works with children. Emphasis in this course is given to the development of competencies related to the parenthood decision, costs of having and raising a child, the promotion of child growth and development, effects of heredity and environment on development, rights and responsibilities of parents and children, providing nurturance, guidance techniques for promoting positive behavior, prevention of child abuse and neglect, promoting health and safety of children, caring for the sick or injured child, parenting a “special needs” child, helping children cope with crises, choosing professionals to help with parenting problems, selection of child-care services, jobs and careers in child and family services. Upon completion of this course, a student should possess skills necessary to provide quality care for children—as a parent, as one employed to care for children, or as one who interacts with children in other settings.

Family Financial Management

Level 11-12

New course.

BUSINESS AND MARKETING TECHNOLOGY

Students who take Career & Technical Education courses that are one credit and last a full year or .5 credit and last a semester should remain in that course for the full time. These courses are tested by the State Department of Career and Technical Education with an end-of-course exam. Students should NOT add or drop one of these courses. Students must take the end of course test in these classes.

460100 Technology Design and Applications

Level: 9-12 Credit 1

This course is designed to prepare students for the transition from school to work. This course was developed to advance and strengthen the skills mastered in the 5th through 8th grades. It includes project based learning in areas of work processing, spreadsheets, database, and presentations. The students will apply tool software skills to business projects and use projects to develop competencies for national certification. The course is designed to provide opportunities for independent and collaborative work. It is a year-long course.

492330 Marketing

Level: 11-12 Credit: 1

Prerequisites: CBA or CA I and must be approved by Instructor

Marketing is a two-semester course that is part of a cooperative work experience that allows students to receive a unit of elective credit per year. The class will consist of classroom instruction and on-the-job training. Classroom instruction will include lessons in economics, competition, supply and demand, business cycles, marketing concepts, channels of distribution, and other concepts related to working and running a business. In order to receive work credit students must also sign-up for Marketing Apprenticeship 492340.

492340 Marketing Apprenticeship

Level: 11-12 Credit: 1-2 1-2 period block

Prerequisites: Enrollment in Marketing and must be approved by Instructor

Marketing Apprenticeship is a component of Marketing and can be substituted for up to two class periods a day; allowing the student to leave school one or two class periods early to work. The student must work a minimum of 135 on-the-clock hours per period, per semester. For example, if the student gets out one class period, they are required to work a minimum of 135 on-the-clock hours per semester. If they student gets out two class periods, they are required to work a minimum of 270 on-the-clock hours per semester. (Submitting check stubs, as proof of hours worked is required) The employer will complete a written evaluation of the student for each grading period, which will result in a grade on the student's report card. Any instance of workplace dishonesty or leaving the job without proper notice to the employer and the teacher will result in the loss of credit for that semester.

492350 Marketing Management

Level: 10-12 Credit: 1

Prerequisites: CBA or CA I, Marketing, and must be approved by Instructor

Marketing Management is a two-semester course designed to develop decision-making skill through the application of marketing and management principles. Competencies will be accomplished by utilizing various instructional methods, resources, and direct involvement with marketing businesses. The course will focus on organization, finance, risks, credit, technology, and social aspects. In order to receive work credit students must also sign-up for Marketing Apprenticeship 492340.

492700 Small Business Operations

Level: 10-12 Credit: 1

Prerequisites: CBA or CA I and must be approved by Instructor

Small Business Operations is a two-semester course designed for students interested in learning how to manage a small business. Students will be responsible for operating the School Based Enterprise - Java Junkie. The curriculum for this class will focus on entrepreneurship and the practical requirements for creating and operating a small business.

492760 Social Media and Communications

Level: 9-12 Credit: 1

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

EAST at Huntsville High School

EAST (Environmental and Spatial Technology) is a student-driven, project-based, community service oriented program that emphasizes the use of high-end technology, knowledge of current events and collaboration between EAST students and members of our community. Successful EAST students should be passionate about their desire to learn and to prepare for their own future as well as a desire to make our world a better place.

There are four basic principles of EAST:

1. Students should, can and will take responsibility for their own learning when given the opportunity.
2. Students should be actively engaged in solving problems in their community.
3. Students should be given access to relevant and challenging resources and tools to use in solving these identified problems.
4. Students should be allowed, even required, to collaborate with each other and with professionals in their communities, as they grow and become positive agents of change.

A major requirement for being part of EAST is an active participation in the **EAST Night Out** event conducted in the fall.

The EAST at Huntsville High School program is divided into the following teams:

- **HARRT**- This team is in charge of conducting our school emergency plan and focuses on community service projects, emergency services and 1st Responder training. This team collaborates regularly with the ArcGIS Team.
- **Technical** – This team includes our Robotics Team as well as opportunities to learn 3D printing, game design, Computer-Aided Modeling and Design (CAD), and computer programming. This team collaborates regularly with the Media Team.
- **Marketing** – This team is for students who are interested in a career in business or wish to be an entrepreneur. They are focused on projects designed to promote both EAST and community events and to develop funding to support the EAST program. This team will also participate in the Stock Market Game. This Team supports the entire EAST program as needed.
- **Media** – This team focuses on projects such as creating animations using Blender, Unity and other software packages, designing and creating crafts to market for EAST fundraising, writing and producing original music and music videos, poster design, photography and Photoshop and other graphic design packages, writing, directing and producing videos. This team collaborates regularly with the Technical Team.
- **ArcGIS** – This team focuses on mastering the cutting edge technology of GIS/GPS with an emphasis on community collaborations. This team collaborates regularly with HARRT.

EAST I, II, III, IV are designed to be offered concurrently.

- **560010 EAST Initiative I Level: 9 – 12 Credit: 1**
 - Students in EAST I will spend much of their time exploring their own interests as they become more familiar with the principles of EAST and the technology available in the EAST classroom (CAD, GIS/GPS, Computer-Aided Modeling and Design, Animation, Digital Filmmaking, Programming, robotics, etc.) and the basics of collaboration and project-based learning.
- **560020 EAST Initiative II Level: 9 – 12 Credit: 1**
 - EAST II is a continuation of EAST I with a greater focus on community service projects.
- **560030 EAST Initiative III Level: 9 – 12 Credit: 1**
 - EAST III is a continuation of the EAST methodology. The focus in this course shifts to peer group leadership and more sophisticated service projects.
- **560040 EAST Initiative IV Level: 9 – 12 Credit: 1**
 - EAST IV is a continuation of the EAST methodology with an added emphasis on leadership and mentoring EAST I and EAST II students as well as serving in meaningful community-based collaborations and the archiving of projects for the continued success of the EAST at Huntsville High School program.

EAST courses satisfy the high school technology requirement.

Community Emergency Response Team (CERT) Level 9-12

The teen CERT program, which stands for Community Emergency Response Team, is a national training program designed for teens who would like to volunteer to help out during a local disaster. Just like adults, teens throughout communities in the United States can benefit from learning about potential disasters that could affect the area and how to respond to these disasters in the best way possible. Emergency response is ultimately what dictates how communities cope with disaster and rebuild later.

Fire 1 & Fire 2

The Fire 1 and Fire 2 courses are designed for individuals interested in a career as a firefighter.

AUTOMOTIVE

494180 Brakes/ Manual Drive Train

PART 1 (fall semester- paired with class below for 2 period block)

Level: 10 - 12 1 credit

This is an intermediate level course recommended for students that have successfully completed Suspension and Steering. This class introduces students to automotive braking systems and drive-train service. Students will learn theory of brakes and drivelines in the classroom, and put that theory to practical application in the lab. Students will disassemble, diagnose and re-assemble and adjust drum and disc brakes; clean and repack and replace bearings; replace, bleed brake hydraulic parts and master cylinders; diagnose ABS systems as well as service and repair differentials, drive-shafts, C/V axles and clutches. Theory and diagnosis of anti-lock (ABS) brake systems is taught as well as servicing and machining of brake drums and rotors. Students will work on training vehicles and some customer vehicles. This course concludes with a standardized test administered by the State Department of Career Education.

494200 Engine Performance/ Engine Repair

PART 2 (spring semester- paired with the class above for 2 period block)

Level: 10-12 1 credit

Prerequisite: Brakes

This is an intermediate-advanced level course intended for students who are interested in pursuing a career in a mechanical service trade. Students are strongly encouraged to have completed *both* Suspension & Steering *and* Brakes, although only one is required. It is highly recommended that students complete this course before attempting *Electrical Systems*. This course reaches all systems related to engine performance and drivability, including computerized engine management systems, fuel systems, ignition systems and pollution control systems. Instruction in specialized equipment used to diagnose engine mechanical problems and repair is also included. Hand-held computerized scan tools are used to diagnose drivability problems and students must master troubleshooting routines by researching problems on computerized databases and the internet. Students will also be encouraged to compete in state Skills USA and Ford/AAA competitions. This course concludes with a standardized test administered by the State Department of Career Education.

494210 Suspension and Steering, Automatic Transmissions

PART 1 (fall semester- paired with class below for 2 period block)

Level: 10-12 1 credit

Prerequisite: None

This course is designed to be a foundation course that will give students basic theory and understanding of suspension, steering systems and wheel alignment as well as important skills in performing preventative maintenance to their automobile. Repairs, such as oil changes, tire service and repair, belts, hoses, filters, and coolant service will be taught. Basic theory and on-car maintenance of automatic transmissions, including fluid and filter service will be included. Classroom work consists of learning theory, safety and proper repair procedures. Lab work allows students to put the classroom instruction to work on practical, hands-on application as well as emphasizing workplace safety. Students will work on training vehicles and some customer vehicles. This course concludes with a standardized test administered by the State Department of Career Education.

494190 Electrical Systems

PART 2 (spring semester- paired with the class above for 2 period block)

Level: 10-12

Prerequisite: Suspension and Steering

This is an advanced-level automotive course designed for the student who is committed to pursuing a career in a mechanical-services trade. Although there are two prerequisites, students who have completed the previous three courses will be best prepared for success in this challenging course. The class is only 20% classroom work and 80% lab, and most tasks are project based, meaning that students will mostly be working on customer vehicles; diagnosing and repairing according to customer work-order complaints, which can range from drivability to brakes, suspension or drive-train concerns. Students will learn electrical principles, using DVOM meters, automotive scan tools and other electronic testing instruments while troubleshooting electrical concerns using proven diagnostic strategies. In addition to electrical, students will receive training on automotive air-conditioning, heating and climate control systems. Students will also be encouraged to compete in state Skills USA and Ford/AAA competitions. This course concludes with a standardized test administered by the State Department of Career Education.

590090 Introduction to Transportation Careers

Level: 9 1 credit

Prerequisite: none

The following will be covered in this course, TDL pathways, health, safety, and environmental management. Logistics planning, management services, transportation operations, transportation systems, warehousing operations, distribution operations, facility maintenance, mobile equipment maintenance, sales, and service. You will also be learning basic automotive skills.

*Signing up for these classes does not guarantee a place in Engine Performance or Electrical Systems.
Students successfully completing all four Automotive Technology courses will receive a state-issued certificate of competency.*

AGRICULTURAL EDUCATION

Students who take Career & Technical Education courses that are one credit and last a full year or .5 credit and last a semester should remain in that course for the full time. Students should NOT add or drop one of these courses.

Note: Any students who take any Agri course is eligible to join FFA. There is a combined \$20.00 FFA fee that covers local, State, and National FFA dues, National FFA New Horizons Magazine subscription, FFA pins, and class materials. This is a fee that covers the entire school year and not just one semester. Each student who enrolls in an Ag class is required to have a Supervised Agricultural Experience Program. This is either a production project at home or an Agriculture related job. Examples could be farming, ranching, welding, or mowing lawns.

491150 Survey of Ag Systems (formerly Ag Science and Technology)

Level: 9-10 1 credit

Prerequisite: None

This is a foundation course for all agriculture programs of study. Topics covered include general agriculture, FFA, leadership, record keeping, Supervised Agricultural Experiences, animal science, plant science, soil science, and agricultural mechanics.

491300 Leadership and Communication (paired with Poultry Science)

Level: 10-12 ½ credit

Prerequisite: Survey of Ag Systems

In this semester long course, public speaking, parliamentary procedure, organization, delegation, oral communication, conflict resolution, business etiquette, and community service are major topics to assist students in development of their leadership skills for the future. **This class is mandatory for FFA officers.**

491310 Natural Resources Management

Level: 10-12 1 credit

Prerequisite: Survey of Ag Systems

This year long course encompasses the study of the management, protection, enhancement and improvement of soil, water, wildlife, forests and air as natural resources along with the study of systems, instruments and technology used to monitor and minimize the impact of human activity on environmental systems. Students will also be given the opportunity to be certified with the AGFC Hunter Education Program.

491180 Animal Science

Level: 10-12 1 credit

Prerequisite: Survey of Ag Systems

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

491040 Poultry Science (paired with Leadership and Communication)

Level: 10-12 ½ credit

Prerequisites: Survey of Ag Systems and Animal Science

This semester long course allows for an in depth look at the poultry industry while providing hands on laboratories and opportunities to participate in FFA and supervised agricultural experiences..

491390 Agricultural Mechanics

Level: 10-12 1 credit

Prerequisite: Survey of Ag Systems

This course connects scientific principles with mechanical skills. This course will enhance the student's understanding of the traditional areas of agriculture mechanics. The course will emphasize agricultural technology including such topics as electricity, internal combustion engines, metal technology, construction, and the development, role and scope of mechanical technology in agriculture.

491400 Agricultural Power Systems

Level: 10-12 1 credit

Prerequisite: Survey of Ag Systems and Ag Mechanics

This course covers the basic principles of agricultural power (electrical and internal combustion), maintenance and repair of equipment, career opportunities, and safety. Major emphasis will be placed on small gas engines.

491410 Agricultural Structures

Level: 11-12 1 credit

Prerequisite: Survey of Ag Systems and Ag Mechanics

Students will be introduced to basic practices used in farm building and construction of facilities for the farm. Topics include FFA, SAE, planning, tools, basic construction, surveying, and safety practices. In the second semester a more in-depth look will be given to the technical areas of the agriculture structural industry, including FFA, SAE, safety, concrete and masonry structures, basic carpentry, plumbing, electricity, metal fabrication, and painting and finishing.

491380 Agricultural Metals

Level: 11-12 1 credit

Prerequisite: Survey of Ag Systems and Ag Mechanics

This year long course covers safety, technical information, and fabrication concepts. Students will work with hot and cold metal. Safety practices and performance skills will be emphasized in each area.

The second semester will cover cold metal, hot metal, sheet metal, reading and implementing blueprints as they relate to metalwork, arc welding, gas welding and careers related to metal work. Safety will be emphasized.

491430 Beef Science

Level: 10-12 ½ credit

Prerequisite: Survey of Ag Systems and Animal Science

Beef Science will introduce students to a broad spectrum of topics in Beef Science and establish a solid foundation of general cattle knowledge. The course will begin with discussions of the development, domestication, and use of cattle; as well as the economic impact and future trends of the cattle industry. This course allows for an in-depth look at the Beef Science Industry while providing Hands on Laboratories, and opportunities to participate in FFA and Supervised Agricultural Experiences.

491420 Equine Science

Level: 10-12 ½ credit

Prerequisite: Survey of Ag Systems and Animal Science

Equine Science will introduce students to a broad spectrum of topics in Equine Science and establish a solid foundation of general horse knowledge. The course will begin with discussions of the development, domestication, and use of the horse; as well as the economic impact and future trends of the horse industry. This course allows for an in-depth look at the Equine Science Industry while providing Hands on Laboratories, and opportunities to participate in FFA and Supervised Agricultural Experiences.

491190 Aquaculture (Paired with Small Animal Science)

Level: 10-12 ½ credit

Prerequisite: Survey of Ag Systems and Animal Science

This course is the science of water farming. It includes the production and marketing of aquatic animals and plants.

491450 Small Animal Science (Paired with Aquaculture)

Level: 10-12 ½ credit

Prerequisite: Survey of Ag Systems and Animal Science

This course allows for an indepth look at the small animal industry while providing hands on laboratories and opportunities to participate in FFA and supervised agricultural experiences. Not recommended for students with allergies to animals.

Theatre and Performing Arts

559200 Theater Appreciation

Level 9-12 0.5 credit

Prerequisite: None

This year long course is a study of the theater and theatrical arts. The student will be given instruction in the history of theater, acting techniques, pantomime and play production skills. Students will be introduced to stage craft areas: set design, makeup, and costume designs. Students will perform in class, and not performing in class will result in a failing grade.

493540 Theater I

Level 10-12 1 credit

Prerequisite: Intro to Theatre Performing Arts/Teacher Approval

Theatre Arts I, a yearlong course, will allow students to study the art of theater as well as introduce them to the performance side of the theater. The course will include a study of acting/theatre vocabulary, acting methods, script and character analysis, blocking and memorization techniques. Students will perform duets, monologues, pantomime, reader's theater, and children's stories. Student's performance in class and in public is an expectation for successful completion of the course. In addition to furthering one's acting skill, Theatre I students will build a solid base for those interested in competition or for those who are serious about performing.

493550 Theater II

Level: 10-12 1 credit

Prerequisite: Theater Appreciation/ Theater I/Teacher Approval

A year long course, Theatre Arts II students should be students who are serious about performing. Students will continue their studies of theatre history with an emphasis on acting styles of the time periods. Students are expected to attend and critique outside performances. Students will also assume leadership roles in many functions of the department and the production itself. They will study and participate in the various production staff jobs. Various types of acting skills will be utilized too such as: character development, stage movement and blocking, and vocal control suitable for a large performance venue. In order to receive credit, the student must remain a member of either the cast or crew of HHS production. The student will be required to either audition or be a part of the directing team of a play production.

4935570 Stage Craft 1

Level: 10-12 1 credit

Prerequisite: None

This year long course introduces students to the technical aspects of play production. Students will be introduced to the set painting, set construction, lighting, sound, costuming, makeup and beginning stage design. Students will be involved in building and designing the HHS productions, Students will be expected to do research in design work, help build the sets, paint the props and work backstage at one production. This class is based on students who have an interest in learning how to work in technical theater. Students need to be able to work well in group projects as well as alone. The grades are based on completion of projects in a timely manner, working in groups, and being on the crew of at least one production.

493580 Stage Craft II

Level: 11-12 1 credit

Prerequisite: Stage Craft I

In this year long course student will be more involved in the technical theater. Students will be expected to be crew chiefs backstage. Students will be the leaders in design and building of the sets, costumes and makeup of the productions. Students will be expected to be on the crew for all productions. Students will begin to build their professional portfolios for future jobs or college.

Film Appreciation

Level: 9-12 1 credit

Prerequisite: none

This course is designed to meet both introductory and advanced levels of film appreciation, consisting of: history of film and filmmaking, inventions, genres, film critique and analysis, design, music, current film trends, directors, actors, and public response. **CLASS WORK/PROJECTS:** This work consists of worksheets, written or sketch work, class projects over assigned topics such as film Biography presentations and Film Summary days. **FILM RESEARCH/PRESENTATION PROJECTS:** A research project over a specific director/film will be required. Students need to understand that this isn't a blow off class where one only views movies, but an intensive look at the art of film making.

MISCELLANEOUS COURSES

Keystone 493850

Level: 9 ½ credit

Prerequisites: None

This class is a required class for all students in the 9th grade. This class is a semester long and is designed to be the basic “keystone” foundation on which to have a successful and enjoyable high school career. As your child’s keystone teacher, the objective is to provide your child with the information, skills, encouragement, and assistance that will help guide your child in the future.

Topics that are included in Keystone include:

1. Understanding high school extra- curricular and academic opportunities (credits)
2. Time management and study skills
3. Credits and Graduation Requirements
4. Academy Contracts for your students 10th grade year.
5. A focused introduction on career choices and an introduction to college and career readiness.
6. Practice in communication skills
7. Character development
8. Goal setting and planning

551010 Guitar

Level: 9-12 1/2 credit

Prerequisites: None

In this semester long class a guitar is needed; preferably acoustic but electric will be allowed with instructor’s approval. Student must pay nominal course fee. Students will learn basic music reading, chords, and rhythm as related to the guitar.

Yearbook

Level: 12 1 credit

Prerequisite: Teacher approval

This course is designed to study the process of analyzing information and audience; and choosing the appropriate visual signals to communicate the desired message effectively. Applied principles are used to analyze and organize information, set up a design structure, and produce special visual expressions. Students will produce the yearbook. Desktop Publishing I & II are not prerequisites, but are recommended.

971000 Alternative Learning Center

Level: 9-12

Huntsville Alternative Learning Center is a 7-12 grade self-paced instructional environment designed to allow student time to learn at a pace suited to their individual learning rates. Course work is assigned to polish mastered skills and create new skills through evaluation of deficient areas. Benefits of the program include smaller class size, additional one-to-one instruction with the teacher, the opportunity for peer tutoring, social skills assessments utilizing brain gym activities from the Educational Kinesiology Foundation.

ALE is a limited class size offering. This assures and maintains the proper teacher to student ratio. Students, faculty, or parents must submit an application to be considered for this program. Applications are available throughout the year in the High School counselors’ office or the ALE classroom. A committee of principals, teachers, counselors, and parents of prospective students complete class placement.

Instruction through the ALE program is accomplished using a modified block schedule where students stay in the ALE program for the entire day. This allows students to regain lost credit. Instruction is 49% computer and 51% teacher driven with one-to-one instruction available on any lesson at any time. Each ALE student must complete a project during the last block of each year. The project is an in-depth undertaking that focuses on research, writing, and presentation.

596101,596102,596103,596104

Gifted & Talented Seminar

Level: 9 – 12

This year-long course is open to all students identified as Gifted & Talented. GT Seminar is based on the four core process areas considered fundamental to the development of a differentiated curriculum: critical thinking, creative thinking, independent and group investigation, and personal growth. Because of the open-ended, student-oriented nature of GT seminar, it is necessary to develop process skills through content (differentiated approach) rather than to develop content skills through process (standard approach).

The course will consist of investigations in student-selected areas of interest, presentations from professionals in various fields (focusing on career options), and perhaps preparing for national competitions such as Odyssey of the Mind, Destination Imagination, Youth Entrepreneur Showcase, or National History Day.