



## 2020-2021 COURSE CATALOG

**NOTE:** You **must** have prior approval to enroll in the following elective courses:

- Academic Decathlon (Gilchrist)
- Advanced Band (Stone)
- Art History AP (Stout)
- Art: Drawing, Painting, Mixed Media, AP Studio Art (Alexander)
- Art: Pottery II/Ceramics (Bias)
- BCA (Flores)
- Biology II AP (Hall)
- Calculus AP (McDowell)
- Capstone Research AP (Clements)
- Capstone Seminar AP (Carnie)
- Chemistry II AP (Clements)
- Chemistry II H (Dolph or Clements)
- Choir: Beau Chant, Show or Women's (J. Jackson)
- Comparative Politics/Judicial Processes (Soileau)
- Computer Science AP (Flores)
- Conditioning (Carruth)
- Creative Writing (Morehead)
- Debate II, III, IV (McCartney)
- Digital Photography (Flores)
- Drama II, III (Reeves)
- Environmental Science AP (Stallcup)
- European History AP (B. Jones)
- Film Production (Allen)
- Foreign Languages III, IV, V (current teacher)
- Human Geography AP (McGuirk)
- Jazz Ensemble (Stone)
- Music Theory AP (J. Jackson)
- Mythology (Ayers)
- Newspaper II, III, IV (McCalister)
- Organic Chemistry (Clements)
- PE: Advanced/Team Fencing (Sullivan)
- PE: Advanced/Team Gymnastics (J. Anderson)
- Philosophy (E- Normand, GT-K. Lerchie)
- Physics AP (Lawrence)
- Piano II, III, IV (Todaro)
- Psychology AP (C. Anderson)
- Robotics I, II (Flores)
- Shakespeare (Handrop)
- Statistics AP (McDowell)
- Strings/Chamber Orchestra (Webb)
- TAP Art, TAP Drama, TAP Music (current TAP teachers)
- Tech Drama V, VI (Allen)
- U.S. Government AP (McGuirk, Soileau, K. Lerchie)
- Video Journalism (Allen)
- World History GT AP (Marks and Medlin/Houghes)
- World History H, AP (Procell)
- Yearbook (Youngblood)

**\*Off-Campus P.E. – see Dr. Ellis**

***Off-Campus P.E. has a separate application packet that must be turned in to Dr. Ellis by the registration deadline***

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# ENGLISH

## **ENGLISH I**

Grade: 9 Phase: General, Enriched, Honors

Students learn grammar, usage, sentence structure, and vocabulary. Skills needed for good writing and critical thinking are practiced. Students will read outside novels in addition to poetry, short stories, mythology and drama in the classroom.

## **ENGLISH I GT**

Grade: 9 Phase: Honors

Prerequisite: GT Evaluation

Students are immersed in a rich variety of classical literature, accompanied by research, essays, lively discussions, presentations, and mixed-media projects. Grammar, usage, sentence structure, and vocabulary are taught regularly. Students hone their writing skills necessary for effective communication at a higher level.

## **ENGLISH II**

Grade: 10 Phase: General, Enriched, Honors

Prerequisite: English I

English II combines the studies of grammar, composition, literature, and vocabulary. Literature is analyzed by genre, and the major emphasis is on composition and vocabulary development. Students will read outside novels in addition to poetry, short stories, and drama in their textbooks.

## **ENGLISH II GT**

Grade: 10 Phase: Honors

Prerequisite: GT Evaluation

English II GT is a humanities approach to world literature, in coordination with world history, and places an emphasis on multiculturalism. The course focuses on five areas of study: literature, composition, research, grammar, and vocabulary. Students learn how to research and write using MLA documentation.

## **ENGLISH III**

Grade: 11 Phase: General, Enriched, Honors

Prerequisite: English II

English III is a multi-faceted course. Students do in-depth literary analysis through the lens of American literature as they track the different literary movements in America. There will be some historical parallels, but only to facilitate cultural understanding of the time period. The course is about analysis and applying literary devices, specifically author's purpose and how those devices are used by the literary movements. Students are prepared for the ACT and EOC, as well as college-style writing. Grammar and vocabulary are done through novels and composition study. Eligible students have the opportunity to earn dual enrollment credit in the Enriched and Honors levels

## **ENGLISH III AP**

Grade: 11 Phase: Honors, GT

Prerequisites: B or above in Eng II H/GT, or A in Eng II E

The English III AP Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods. Eligible students have the opportunity to earn dual enrollment credit.

## **ENGLISH IV**

Grade: 12 Phase: General, Enriched, Honors

Prerequisites: English III

English IV includes the study of British literature and culture with a review of grammar and an emphasis on composition and continued vocabulary development. Writing assignments focus mainly on the critical essay. Students write a formal research paper as part of the course requirement. Eligible students have the opportunity to earn dual enrollment credit in the Enriched and Honors levels.

## **ENGLISH IV AP**

Grade: 12

Phase: Honors, GT

Prerequisites: Honors - B or above in Eng III and 27 on Eng/Reading on ACT

The English IV AP Literature and Composition course aligns to an introductory college-level literary analysis course. The course engages students in the close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works.

# **MATHEMATICS**

## **ADVANCED MATH**

Grade: 11-12

Phase: Enriched

Prerequisites: Alg. I, II, and Geometry

This course provides an additional math course for students who may not intend to pursue a strong math or science curriculum in college. Emphasis in trigonometry is on the logical development of circular functions and their applications, the value and application of trigonometric functions, vectors, complex number and triangle trigonometry. Advanced math topics include functions, exponents, logarithms, and univariate and bivariate statistics. Eligible students have the opportunity to earn dual-enrollment credit.

## **ALGEBRA I**

Grade: 9-12

Phase: Enriched, Honors, GT

Algebra I emphasizes both the structure of algebra by use of the real number system and computational problem-solving skills. Strategies are developed for applying algebra skills to problem solving. The course explores linear and quadratic equations, inequalities, polynomials, linear functions, systems of equations, quadratic and exponential functions, and radicals. It also provides an introduction to geometry.

## **ALGEBRA II**

Grade: 10-12

Phase: Enriched, Honors, GT

Prerequisites: Algebra I and Geometry

Algebra II is a continuation and compilation of material presented in Algebra I and geometry. Students will be expected to perform multiple operations on real numbers, algebraic expressions, matrices, determinants, complex numbers, and polynomials. The student solves problems involving exponential, logarithmic, and inverse functions, conic sections and polynomial and rational equations and inequalities. Eligible students have the opportunity to earn dual-enrollment credit.

## **ALGEBRA III**

Grade: 12

Phase: Enriched

Prerequisite: Algebra II G

This course provides a fourth math class for students who may not intend to pursue a strong math or science curriculum in college. This course is designed as a continuation and compilation of material presented in Algebra I & II, and Geometry. Emphasis is on strengthening algebra skills and continuing concepts taught in Algebra II with an emphasis on exponential and logarithmic functions, conic sections, trigonometry, problem solving, solving equations with real and imaginary number, and basic statistics.

## **CALCULUS (AB) AP**

Grade: 12

Phase: Honors, GT

Prerequisite: "B" or above in Precalculus

The Calculus AP course covers differential and integral calculus topics that are typically included in introductory calculus courses at the college level. Students taking this course are expected to be proficient in mathematics through Precalculus and to have a basic knowledge of the topics covered in physical science. Topics covered include analytic geometry, functions and their graphs, sequences and series, limits of functions, continuity, derivatives,

instantaneous rates of change, differentials, the definite integral, areas under curves, volume of solids, and differential equations.

### **CALCULUS (BC) AP**

Grade: 12 Phase: Honors

Prerequisite: "A" in Precalculus OR a "B" or above in AP Calculus AB

This Calculus AP course covers all of the topics covered in Calculus AB, and then goes further. Additional topics include parametric, polar, and vector functions; Euler's method; integration by parts and partial fractions; applications of integrals; and polynomial approximations and series.

### **GEOMETRY**

Grade: 9-12 Phase: General, Enriched, Honors, GT

Prerequisite: Algebra I

Geometry is designed to help the student better understand the nature of a mathematical system and to reason logically. This course emphasizes both basic structure in geometry and proficiency in developing formal proofs. Emphasis is placed on the clarity and precision of language. Consideration is given to developing powers of spatial visualization, strengthening algebraic skills, gaining understanding of concepts of space geometry integrated with plane geometry, and an introduction to trigonometry.

### **PRECALCULUS**

Grade: 11-12 Phase: Honors, GT

Prerequisites: "B" or above in Alg. I, Geom., and Algebra II Honors/GT

Students will build on knowledge acquired in their previous mathematics classes. Topics to be covered include coordinate geometry, linear, polynomial, exponential, logarithmic, rational, and other types of functions and their graphs, equation solving, inequalities, trigonometry, including analytic and applications, parametric and polar equations, systems of equations and inequalities, matrices, conic sections, sequences and series, and an introduction to calculus including limits, derivatives and integrals (if time permits). Eligible students have the opportunity to earn dual-enrollment credit.

### **PROBABILITY AND STATISTICS**

Grade: 11-12 Phase: Enriched

Prerequisites: Algebra II E

The student will calculate combinations and permutations of objects to aid in the introduction of the basic concepts and applications of probability. Students learn to represent data graphically, to summarize data using statistics, and to analyze samples. Models will be created for a set of paired data by fitting curves to the data and choosing the best model for a given set of data.

### **STATISTICS AP**

Grades 11-12 Phase: Honors

Prerequisites: "B" or higher in Algebra II (honors), Advanced Math, or Pre-Calculus.

The AP Statistics course introduces the major concepts and tools for collecting, analyzing, and drawing conclusions from data. This year-long course is activity and technology-based and constitutes the equivalent of a one-semester, introductory, non-calculus-based college course in statistics. Students taking this course are expected to be proficient in mathematics through at least Algebra II and must be willing to accept the challenge of a rigorous college-level curriculum. Topics covered include exploring data, sampling and experimentation, anticipating patterns, and statistical inference.

## **SCIENCE**

### **BIOLOGY I**

Grade: 9-10 Phase: Enriched, Honors

Prerequisite: Concurrent or previous enrollment in Phys. Science

This course provides students with opportunities to gain an understanding of the basic concepts of biology. An introduction to life processes, methods of science, basic principles of chemistry, cell theory, genetics, reproduction and development, taxonomy, survey of the kingdoms, and the relationship of organisms to their environment are included. Honors level students are required to complete a STEM project.

## **BIOLOGY II AP**

Grade: 11-12 Phase: Honors

Prerequisites: "B" in Biology I & Chemistry I

Upon completion of this course, students are prepared to take the Advanced Placement Test for biological science. Students will have mastery over the topics covered in a college level biology course. Students will conduct labs from the AP manual, supplemental labs consistent with AP concepts, and student-designed labs. Grade 9-11 Honors level students are required to complete a STEM project.

## **CHEMISTRY I**

Grade: 10-12 Phase: Enriched, Honors

Prerequisites: Geometry & Biology I E or H,

Chemistry is a laboratory-oriented course in which students study the substances that make up our environment and the changes these substances undergo. Emphasis is placed on understanding concepts, experimentation, quantitative/qualitative observation, and development of skills and practices in laboratory techniques. Honors level students are required to complete a STEM project.

## **CHEMISTRY II**

Grade: 12 Phase: Honors

Prerequisite: "B" in Chemistry I and Alg II E/H; concurrent or previous enrollment in Adv. Math or higher math course, and consent of instructor

Chem II H includes in-depth studies of the topics covered in Chemistry I with the addition of reaction rates, equilibrium, thermodynamics, and oxidation/reduction chemistry. Analytical lab techniques including titration and gravimetric analysis will also be featured in the course. Grade 9-11 Honors level students are required to complete a STEM project.

## **CHEMISTRY II AP**

Grade: 11-12 Phase: Honors

Prerequisites: "B" average in Chemistry I H & enrollment in Precalculus or Calculus

Chemistry AP will cover essentially the same topics that a freshman-level college course covers, including atomic theory, intermolecular bonding, chemical nomenclature, stoichiometry, gas laws, kinetics, thermodynamics, acid-base reactions, solubility, and introductory organic chemistry. Grade 9-11 students are required to complete a STEM project.

## **EARTH SCIENCE**

Grade: 11-12 Phase: General

Earth science deals with the physical nature and history of the earth. This includes properties and composition of rock types, mineralogy, nature and developments of the earth's crust, the interior of the earth, plate tectonics, paleontology, and the regional geology of our area. Earth science also covers astronomy and meteorology.

## **ENVIRONMENTAL SCIENCE AP**

Grade: 11-12 Phase: Honors

Prerequisites: "B" in Biology I; consent of instructor

The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science, through which students engage with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Grade 9-11 Honors level students are required to complete a STEM project.

## **HUMAN ANATOMY & PHYSIOLOGY**

Grade: 11-12 Phase: Enriched

Prerequisite: Biology I E or H

The course employs a systems approach to the normal and pathological structure and function of the human body. Emphasis is placed on the cell, skeletal, muscular, nervous, circulatory, endocrine, immune, reproductive, and integumentary systems. A series of required dissections begins in the second semester.

## **PHYSICAL SCIENCE**

Grade: 9 Phase: Enriched, Honors

This is an introductory course, which emphasizes the basic concepts of chemistry and physics. Physical science is the foundation course for all other science courses taught at Caddo Magnet. Honors level students are required to complete a STEM project.

## **PHYSICS – Enriched**

Grade: 11-12 Phase: Enriched

Prerequisites: “B” average in Phys. Sci., Bio. I, & Chem. I, and enrollment in Advanced Math E is recommended  
Enriched Physics emphasizes the general concepts, laws, and principles of physics. This course concentrates on the application of physics fundamentals to everyday situations.

## **PHYSICS – Honors**

Grade: 11-12 Phase: Honors

Prerequisites: “B” average in Phys. Sci., Biology I & Chem. I, and enrollment in Precalculus is recommended  
This is a college-level course in classical Newtonian physics. Students must be proficient in mathematics through Algebra II. The lecture/demonstration format is used extensively with laboratory exercises designed to illustrate major theoretical concepts. Grade 9-11 Honors level students are required to complete a STEM project.

## **PHYSICS AP**

Grade: 11-12 Phase: Honors

Prerequisites: “B” average in Phys. Sci. H, Bio I H, Chemistry I H, and Precalculus. Concurrent or previous enrollment in AP Calculus AB is required.

AP Physics C is equivalent to a year-long, 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. Introductory differential and integral calculus is used throughout the course. Grade 9-11 Honors level students are required to complete a STEM project.

# **SOCIAL STUDIES**

## **CIVICS**

Grade: 9-12 Phases: Enriched, Honors

Civics focuses on foundations of American government, its structures and functions designed to guarantee constitutional principles, and the role of citizens in a democracy. In addition to the role of U.S. Foreign Policy in a global economy, this course includes the study of economics, focusing upon the fundamentals of microeconomics and macroeconomics, economic systems and structures, and financial literacy.

## **EUROPEAN HISTORY AP**

Grade: 11-12 Phase: Honors

Prerequisite: Must be in AP/GT classes with a “B” or higher in Eng II/III and in Am. History or AP US History, plus consent of instructor

This course includes an extensive study of the political, cultural, social, and economic history of Europe. The goals are to develop an understanding of the themes in modern European history, to analyze historical evidence, and to express historical understanding in writing.

## **HUMAN GEOGRAPHY AP**

Grade: 9-12 Phase: Honors

Prerequisite: Mastery or Advanced in ELA on LEAP and 3.0+ gpa (9<sup>th</sup>), consent of instructor (10<sup>th</sup> - 12<sup>th</sup>)

The purpose of the AP course in Human Geography is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice.

## **PSYCHOLOGY AP**

Grade: 11-12 Phase: Honors

Prerequisite: Must be in H/GT classes with a “B” or higher in Eng II/III and in Biology I, plus consent of AP Psych instructor

AP Psychology consists of a full year of intensive study, focusing on personality theories and the newest treatments in psychotherapy. Lighter subjects such as dream interpretation and memory improvement will also be discussed. Studying recent articles will provide extension of the textbook. Students taking the course are encouraged to take the AP Exam. This course satisfies a credit of social studies for graduation, and TOPS social studies requirements.

### **U.S. GOVERNMENT AP**

Grade: 10-12 Phases: Honors, GT (12<sup>th</sup>)

Prerequisite: GT students - GT AP U.S. History; non-GT students – “B” or higher in all previous Social Studies courses

The AP U.S. Government and Politics course involves the study of democratic ideas, balance of powers, and tension between the practical and ideal in national policymaking. Students analyze and discuss the importance of various constitutional principles, rights and procedures, institutions, and political processes that impact us as citizens.

### **U.S. HISTORY**

Grade: 11 Phase: Enriched

Prerequisites: Civics

Students explore the evolution of the American identity and its role in the global community from 1865 to the present. Students learn about industrialization, foreign policy from imperialism to intervention in World War I, economic prosperity and decline between the world wars, the re-assertion of American exceptionalism following World War II and during the Cold War, and the shifting role of the United States in the increasingly intertwined modern global community.

### **U.S. HISTORY AP**

Grade: 11 Phase: GT, Honors

Prerequisites: B or higher in AP Govt/Civics and English II, and consent of APUSH teacher for non-GT students  
AP U.S. History is designed to be the equivalent of a two-semester college U.S. history course. In AP U.S. History students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present.

### **WORLD GEOGRAPHY**

Grade: 9-12 Phase: Enriched, GT

Prerequisite: None

The basis for the structure of the course is the five-theme approach: place, location, region, mobility, and human-environment interaction. There is also an emphasis on problem-solving skills, and critical thinking in dealing with geography

### **WORLD HISTORY**

Grade: 11-12 Phase: Enriched, Honors

Prerequisite: For Honors, consent of instructor and B or higher in Am. History

Through lectures, videos, and student projects, students will learn about the history of the world in a survey from ancient civilizations to current world affairs. Students gain a deeper understanding of how to apply historical thinking skills by participating in a variety of activities and also gain a deeper appreciation of the varieties of human experiences. In the Enriched level, students focus more on topics since 1500. In the Honors course earning dual enrollment credit is an option in the second semester.

### **WORLD HISTORY AP**

Grade: 10(GT), 12 Phase: Honors, GT

The AP World History course is structured around themes and concepts in six different chronological periods from approximately 8000 BCE to the present. Five themes of equal importance — focusing on the environment, cultures, state-building, economic systems, and social structures — provide areas of historical inquiry for investigation throughout the course. AP World History encompasses the history of the five major geographical regions of the globe: Africa, the Americas, Asia, Europe, and Oceania, with special focus on historical developments and processes that cross multiple regions.

### **WORLD HISTORY GT**

Grade: 10                      Phase: AP, Honors  
Prerequisite: Gifted and Talented Evaluation

Through lectures, videos, guest speakers, student projects, and performances, students learn to appreciate the boundless varieties of human experiences and endeavors from our primeval beginnings to our present realities. Specific courses of study coordinate with English II G/T, so that as students study the literature of a civilization, they are also studying the history.

## **FOREIGN LANGUAGE**

### **AMERICAN SIGN LANGUAGE I**

Grade: 9                      Phase: General

This course is an introduction to American Sign Language and will include instruction in deaf culture and the history of ASL. Students will learn the signed alphabet, fingerspelling, vocabulary in context, multi-meaning words and their signs, homophones and their signs, and other key signs. The class will include practice in communicating via ASL, appropriate use of ASL, and written assignments. Assessment will be comprised of multiple formats including teacher observation, performance, and completion of coursework.

### **AMERICAN SIGN LANGUAGE II**

Grade: 10                      Phase: Enriched

American Sign Language II is built on principles, skills, and concepts mastered in ASL I. It will include conversational sign language, intermediate fingerspelling, and application of structural components learned in the first course. The further exploration of deaf culture together with service hours with the deaf will provide a comprehensive experience in American Sign Language, its norms and practical application.

### **FRENCH I**

Grade: 9-12                      Phase: General

French I, an introductory course taught in the target language, puts emphasis on communication: speaking, listening, reading, and writing skills. Culture of the French-speaking countries is an integral part.

### **FRENCH II**

Grade: 9-12                      Phase: Enriched

Prerequisite: French I

This intermediate course expands the target language. Students improve their speaking, listening, reading, and writing skills. Additionally, comparative grammar is incorporated, and culture continues to be explored.

### **FRENCH III**

Grade: 10-12                      Phase: Honors

Prerequisites: B or higher in French II/consent of instructor

Students continue the emphasis on communication: listening, speaking, reading, and writing skills. In addition, students analyze various literary excerpts such as poetry, short stories, articles, magazines, and read *Le Petit Prince* by St. Exupéry. It is in preparation for the Level IV AP class.

### **FRENCH IV AP**

Grade: 11-12                      Phase: Honors

Prerequisites: B or higher in French III/consent of instructor

This course prepares students for the French Language Advanced Placement Exam. An emphasis on communication is continued. Students review grammar individually and in class. They will study and analyze literature from the XX to the XVII centuries.

### **GERMAN I**

Grade: 9-12                      Phase: General

This is an introductory course to the German language. It is designed to give students a working knowledge of the language. Listening, speaking, reading, and writing skills are emphasized. The culture of the German speaking countries is included throughout the curriculum.

### **GERMAN II**

Grade: 9-12                      Phase: Enriched

Prerequisite: German I

German II continues the study of the German vocabulary, grammar, and culture. Students extend their ability in reading, writing, speaking, and listening.

### **GERMAN III**

Grade: 9-12                      Phase: Honors

Prerequisites: consent of instructor

Students continue to sharpen their listening, speaking, reading, and writing skills. In addition, students will analyze various literary excerpts. The culture of German speaking countries continues to be explored.

### **GERMAN IV AP**

Grade: 9-12                      Phase: Honors

Prerequisites: B or higher in German III/consent of instructor

This course prepares students for the German Language Advanced Placement Exam. In the AP German IV course, students study and practice the language focusing on speaking, listening, reading and writing skills at an advanced level. The syllabus includes multiple aspects of the German culture and contemporary life.

### **ITALIAN IV AP**

Grade: 12                              Phase: Honors

Prerequisite: B or higher in Italian III/Consent of the instructor

This course prepares students for the Italian Language Advanced Placement Exam. In the AP Italian IV course, students study and practice the language focusing on listening, speaking, reading and writing skills at an advanced level. The syllabus includes multiple aspects of the Italian culture and contemporary life.

### **LATIN I**

Grade: 9-12                      Phase: General

The Cambridge Latin course introduces students to the Latin language with engaging stories set in Pompeii and Roman Britain. Students learn about Roman history and culture through readings on the gladiators, the eruption of Mount Vesuvius, the Roman gods and many other topics. The course emphasizes improving students' command of English vocabulary through the study of Latin roots.

### **LATIN II**

Grade: 10-12                      Phase: Enriched

Prerequisite: Latin I

This course continues the study of Latin within the context of interesting and authentic stories set in Roman provinces and in Rome. Students complete their study of basic Latin grammar and move toward a mastery of Latin syntax. Reading Roman history and culture continue as well as the emphasis on English vocabulary based on Latin roots.

### **LATIN III**

Grade: 11-12                      Phase: Honors

Prerequisite: B or higher in Latin II/consent of instructor

In the prose course, students study the history of Rome in depth and read selections from Tacitus, Cicero, Caesar and other great prose writers of Latin literature. In the poetry course, students read selections from Ovid, Horace, and Virgil. Greek mythology is also a part of the curriculum.

### **LATIN IV AP**

Grade: 12                              Phase: Honors

This course prepares students for the AP Latin Exam. It assesses the ability to read, understand, translate, and analyze Latin poetry and prose. The exam focuses on translating the required Latin readings with an accuracy that reflects precise understanding of Latin and on reading and comprehending new passages at sight. Additionally, students will be expected to describe and analyze Latin grammar, syntax, and style, and to connect the texts they read with the people, practices, and events that shaped the ancient Roman world.

### **SPANISH I**

Grade: 9-12                      Phase: General

Spanish I, an introductory course, is designed to give students a working knowledge of the language. Listening, speaking, reading, and writing skills are emphasized. The culture of the Spanish speaking countries is included to enhance understanding of the language as a whole.

### **SPANISH II**

Grade: 9-12 Phase: Enriched and Honors

Prerequisite: Spanish I

Spanish II continues the study of the Spanish vocabulary, grammar, and culture while introducing short stories. This mixture expands the students' ability in reading, writing, speaking, and listening. To place into Spanish II Honors in 9<sup>th</sup> grade, students must take a placement test with the instructor.

### **SPANISH III**

Grade: 10-12 Phase: Honors

Prerequisites: B or higher in Spanish II/consent of instructor

Students continue to expand on grammar, language, and culture while introducing Spanish literature and articles on contemporary issues. This blend expands listening, speaking, reading, and writing skills.

### **SPANISH IV AP**

Grade: 11-12 Phase: Honors

Prerequisite: B or higher in Spanish III/consent of the instructor

Spanish IV, an Advanced Placement preparation course, expands on cultural, speaking, listening, reading, and writing activities. It emphasizes communication by applying interpersonal, interpretive, and presentational skills in real life situations while being accurate in the use of grammar. This course is similar to an intermediate Spanish college course.

### **SPANISH V AP**

Grade: 12 Phase: Honors

Prerequisite: B or higher in Spanish IV/consent of the instructor

Spanish V, an Advanced Placement preparation course, is an extension of the Spanish IV course. Students analyze poetry, short stories and excerpts of novels from the XII century, as well as discuss contemporary articles and issues. This course is similar to a high-level Spanish college course.

## **PHYSICAL EDUCATION & HEALTH**

### **HEALTH EDUCATION**

Grade: 9-12 Phase: General

½ Credit

This half-credit course emphasizes wellness, positive choice making, relationships, communication skills, and the development of the total individual in the physical, emotion, mental and social aspects of life. It is a required course for graduation, unless JROTC I and II are completed in place of P.E.

### **PE: ARCHERY**

Grade: 9-12 Phase: General

½ or 1 Credit

This course is designed for beginning and experienced archers, and focuses on preparing students for regional and state competitions. The class will use NASP (National Archery in The Schools Program) compound Genesis bows, targets, equipment and curriculum. The purpose of the course is to introduce students to the basic techniques of indoor competitive archery emphasizing the care and use of the equipment, range safety, stance and shooting techniques, and scoring and competition.

### **PE: FENCING (Beginning, Advanced, Team)**

Grade: 9-12 Phase: General

Prerequisite: Consent of instructor for advanced/team

The beginning level of fencing will include the history, language, footwork, care and selection of equipment, simple and compound attacks, defensive skills, bouts, and simple tactics. Intermediate and advanced classes concentrate

on conditioning, electric fencing, bouts, and complex tactics. The three weapons studied include the foil, epee, and sabre.

### **PE: GENERAL PE**

Grade: 9-12 Phase: General

This is a general survey of physical education activities, with an emphasis on team, individual, and life sports. Selected units include physical and motor fitness, and a variety of sport units.

### **PE: GYMNASTICS (Beginning, Advanced, Team)**

Grade: 9-12 Phase: General

Prerequisite: Instructor's consent for advanced/team

An introduction to gymnastics will include progression on the equipment, safety, basic execution and drills, which enable students to master the basic skills on all pieces of equipment. This course can provide students the skills and instruction to develop knowledge, positive attitudes, strength, speed, flexibility, coordination, agility, spatial awareness, motor skills, self-management skills, sportsmanship, teamwork and personal confidence for a productive healthy and active lifestyle. Included within this program is an adventure based climbing unit that teaches rock climbing/rappelling, and an NASP archery unit. Signature for advance/team class is required.

### **JROTC I**

Grade: 9-12 Phase: General

JROTC I introduces students to theories of leadership, management, citizenship, communications, team building, military history, navigation, first aid, and an appreciation for physical fitness.

### **JROTC II**

Grade: 10-12 Phase: General

Prerequisite: JROTC I

½ JROTC Credit and ½ Health Education Credit

JROTC II emphasizes the development of student self-esteem and team building concepts, leadership skills, management, communications, military history, and an appreciation for physical fitness. The second semester of JROTC II is ½ credit of Health Education.

### **JROTC III**

Grade: 11-12 Phase: General or Enriched

Prerequisite: JROTC II/Consent of instructor for Enriched

JROTC III reinforces the concepts of leadership, management, and communications taught in JROTC I and II, through classroom instruction and practical exercises while assigned to leadership positions during leadership laboratory. Additionally, students are taught military history, advanced first aid, intermediate navigation skills, and an appreciation of physical fitness.

### **JROTC IV**

Grade: 12 Phase: General or Enriched

Prerequisite: JROTC III/Consent of instructor for Enriched

JROTC IV students are assigned senior command and staff positions and apply the organizational skills learned the previous three years to managing and leading the corps of cadets. Students perform assigned tasks commensurate with staff functions. Evaluations are based on performance.

## **FINE ARTS**

### **ADVANCED/INTERMEDIATE BAND**

Grade: 9 (Int) Phase: Enriched  
10-12 (Adv)

Prerequisite: Audition and consent of instructor

The band is a performing organization, whose primary repertoire is drawn from concert and pop music. Performances include school functions during the day and night as well as other school and civic related events around the community. Students who play Flute, Oboe, Clarinet, Bass Clarinet, Bassoon, Saxophone, Trumpet, French Horn, Trombone, Euphonium, Tuba, and Percussion.

### **ART HISTORY AP**

Grade: 11-12 Phase: Honors

Prerequisite: Instructor's consent

AP Art History is designed to provide the same benefits to high school students as an introductory college course in Art History. Students examine the major forms of artistic expression from the ancient world to the present and from a variety of cultures. The course provides an opportunity for students to gain an appreciation for art and an understanding of its importance historically and for the 21st century.

### **ART I DESIGN FUNDAMENTALS**

Grade: 9-12 Phase: General

The Art I course is designed to develop basic skills in the art media. Experimenting through art theory compositions and projects will also develop a broad knowledge and understanding of art in daily living.

### **ART: ADVANCED DRAWING (Art II-VII)**

Grade: 10-12 Phase: Enriched

Prerequisite: Design Fundamentals (Art I) and consent of instructor

Advanced drawing students are challenged with new ideas in drawing techniques. Utilizing skills acquired in the prerequisite course, the students apply these skills to more difficult drawing assignments.

### **ART: MIXED MEDIA (Art II-VII)**

Grade: 10-12 Phase: Enriched

Prerequisite: Design Fundamentals (Art I) and consent of instructor

Mixed Media allows the student to apply the skills acquired in prerequisite courses to a variety of media. Students experiment with different media, inks, paints, and some printing techniques with textured fibers.

### **ART: PAINTING (Art II-VII)**

Grade: 10-12 Phase: Enriched

Prerequisite: Design Fundamentals (Art I) and consent of instructor

Painting provides for the advanced students an exploration experience in watercolor and oil painting. Application of color theory, elements and principles of design, and basic drawing and painting skills needed to create a composition enables the student to demonstrate painting techniques.

### **ART: POTTERY I, POTTERY II-CERAMICS**

Grade: 11-12 Phase: General (Ceramics-Enriched)

Pottery students will learn basic pottery building techniques including hand building (pinching, coil and scrape, and slab construction techniques) and wheel throwing. Various firing techniques will be explored including pit firing, electric firing, and gas firing. Emphasis will be placed on interdisciplinary connections between pottery and other areas of study including: history, math, and chemistry. In Ceramics, students will be required to mix their own glazes and understand the basic chemistry of oxidation and reduction reactions at temperatures above 2000 degrees Fahrenheit

### **ART: STUDIO ART AP**

Grade: 11-12 Phase: Honors

Prerequisite: Consent of instructor

This is a college-level course for the visually gifted. It allows students to excel and receive recognition on a national scale as well as to compare their work with other high school students throughout the nation. Studio Art AP helps them prepare an excellent portfolio which can be used for college art program admissions as well as the college credit earned. All students enrolling in the course will submit a portfolio which may be either a drawing or a 2D design portfolio.

### **CHOIR: BEAU CHANT CHOIR**

Grade: 10-12 Phase: Enriched

Prerequisite: Audition and consent of instructor required.

Beau Chant Choir is the most advanced choir that our school has to offer. As a member of this choir students will continue to build on their choral and vocal technique while performing highly challenging repertoire. Students admitted into this choir will already have a working knowledge of sight singing and music reading. As a member of

this choir students will have many performance opportunities inside and outside of our school including performance with collegiate choirs.

### **CHOIR: CONCERT**

Grade: 9-12 Phase: Enriched

This course is best suited for freshman and upper classmen who are new to choir. Concert Choir will teach proper singing technique and music literacy through class instruction and performance. Students will learn to read music and sight read. This choral experience is meant to prepare students for a higher level choir at our school or a college choir. Students will perform at all major concerts as well as compete in the district choral festival.

### **CHOIR: SHOW CHOIR**

Grade: 10-12 Phase: Enriched

Prerequisite: Any choir class; audition and consent of instructor

Show Choir is a performance-based class offered to any sophomore, junior, or senior singer that has taken a drama or choir class, or is currently enrolled in a drama or choir class. Repertoire will be selected from popular, Broadway, and jazz pieces. Students will be given vocal coaching in preparation for future auditions for colleges offering music performance or musical theater degrees.

### **CHOIR: WOMEN'S**

Grade: 10-12 girls Phase: Enriched

Prerequisite: Audition and consent of instructor

Students in this all-female class will receive highly specialized choral training and build on prior music reading skills. Women's choir will prepare students for the college choir experience. Students will participate in all major concerts, college choral festivals, and district choral festival.

### **DRAMA I**

Grade: 9-12 Phase: General

This course is for students wishing to continue in the Drama Department in performance. Drama I is an introductory drama course, where students study speech, improvisation, and the basics of theatre. Students who wish to take any additional drama courses must take Drama I.

### **DRAMA II (Theatre History)**

Grade: 10-12 Phase: Enriched

Prerequisite: Drama I or consent of instructor

This course examines representative plays, personalities, practices, theories, and theatre traditions of western civilization. Emphasis is placed on performance monologues in each of the genres. This course is an academic class in which reading, writing, and critical thinking are emphasized.

### **DRAMA III (Acting)**

Grade: 10-12 Phase: Enriched

Prerequisites: Drama I or consent of instructor

This course examines acting in depth with an emphasis on performance. The students will study dramaturgy, exposition and plot summary.

### **DRAMA V, VI (Technical Drama)**

Grade: 10-12 Phase: General

Prerequisites: Drama I and consent of instructor

This course covers all aspects of stagecraft including set design, scenery and set building, construction techniques, properties construction and management, costumes, makeup, sound, lights, and stage management. Students will be directly responsible for providing technical support in the way of stage lighting, sound reinforcement, and stage management of all school productions on the outdoor stage and the Performing Arts Center. Advanced Technical students must have already had Drama V.

### **GUITAR**

Grade: 9-12 Phase: General

This course is designed for beginners on the guitar or players who would like to fill in the gaps in their basic overall knowledge of the instrument. The idea is to get you playing right away. This course will cover fingerboard

knowledge, basic techniques, chords, strumming, basic improvisation, basics of pick and finger-style technique, reading music (standard notation), and basic concepts in music theory that can be used to read & write music and figure out songs by ear. Most of the music played in this class will be drawn from the American popular and folk styles. This class will provide an overview of the many different styles of music written for this instrument including classical, jazz, blues, folk, rock and pop.

### **JAZZ ENSEMBLE**

Grade: 9-12 Phase: General

Prerequisite: Audition and consent of instructor

Students are taught the basics of jazz improvisation as well as traditional and contemporary jazz idioms. Performances include school functions during the day and night as well as other school and civic related events around the community. Students who play band instruments must first enroll in Advanced band. Guitarists and Pianists must audition.

### **MUSIC THEORY AP**

Grade: 10-12 Phase: H

Prerequisite: Consent of instructor

The goal of an AP Music Theory course is to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. The achievement of these goals is approached by initially addressing fundamental aural, analytical, and compositional skills using both listening and written exercises. Building on this foundation, the course progresses to include more creative tasks, such as the harmonization of a melody by selecting appropriate chords, composing a musical bass line to provide two-voice counterpoint, or the realization of figured-bass notation. The student's ability to read and write musical notation is fundamental to such a course. It is also assumed that the student has acquired (or is acquiring) at least basic performance skills in voice or on an instrument.

### **ORCHESTRA: CHAMBER**

Grade: 9-12 Phase: Enriched

Prerequisite: Five years experience, audition, and consent of instructor

The Chamber Orchestra course includes solo and chamber music opportunities and a full orchestra experience by auditioning for All State Orchestra. Performances during the school year include one formal concert each nine weeks, Fall Preview, Winter Preview, District or Regional Festival, a Concerto Concert in February (a full orchestra experience with professional wind and percussion players) and Graduation.

### **ORCHESTRA: STRING**

Grade: 9-12 Phase: General

Prerequisite: Three years of experience, audition, and consent of instructor

String Orchestra, a smaller, less advanced class, includes the fundamentals of string playing, as well as performances listed under the Chamber Orchestra below.

### **PIANO I**

Grade: 9-12 Phase: General

This is a beginner course for the student who has had no piano instruction. Students learn to read, write, and play music.

### **PIANO II**

Grade: 9-12 Phase: Enriched

Prerequisite: Piano I or audition

Piano II is a more in depth study of piano for students who already read sheet music and can play independently with both hands. Individualized instruction for each student focuses on increasing literacy and developing expressive performance skills.

### **PIANO III & IV**

Grade: 10-12 Phase: Enriched

Prerequisite: Piano II/III or audition, and consent of instructor

Piano III and IV provide further individual instruction for experienced pianists. The focus will be on literacy, sight reading, expressive performance skills, and collaborative piano.

### **PIANO V**

Grade: 12 Phase: Enriched

Piano V will provide instruction for seniors who have taken Piano II-IV in high school. Class focus will be areas of student interest. Continued emphasis on expressive performance skills.

### **TAP DRAMA I, II, III, & IV**

Grades: 9-12 Phase: Enriched

Prerequisites: Talented Theatre Evaluation and Current IEP

Talented Drama courses are enriched electives offered to identified Talented Drama students. The courses rotate through various areas of theatre arts study including topics such as acting styles, acting methods, and characterization, technical theatre, and the business of theatre. Enrolled students are given the opportunity to perform in a minimum of two plays or presentations each year. TAP Drama students are encouraged to audition for school and community productions and are coached to prepare for college scholarships.

### **TAP MUSIC I, II, III, & IV (both vocal and instrumental classes are offered)**

Grades: 9-12 Phase: Enriched

Prerequisites: Talented Music Evaluation and Current IEP

The Talented Music courses are enriched electives offered to identified Talented Music students. The courses cover such topics as international music, composition and improvisation, music history, and music theory in addition to performance. Students enrolled in the TAP Music program are offered many performance opportunities with other school and community musical organizations. The students are encouraged to develop a portfolio of experiences to prepare them for college scholarship auditions.

### **TAP VISUAL ART I, II, III, & IV**

Grades: 9-12 Phase: Enriched

Prerequisites: Current Talented Art Evaluation and Current IEP

The Talented Visual Art courses are enriched electives offered to identified Talented Visual Art students. The courses include exposure to such topics as: drawing, black and white media, graphic design, sculpture, painting, and mixed media. TAP Visual Art students focus on portfolio development to build a strong body of work for college interview and audition. Students prepare artworks for two or more art exhibits throughout the school year.

## **ELECTIVES**

### **BUSINESS AND COMPUTER ELECTIVES**

#### **ACCOUNTING**

Grade: 10-12 Phase: Enriched

Prerequisite: Basic Math Skills

This full-credit course is an introduction to accounting. This course is designed to introduce students to basic accounting theory and procedures. Emphasis is placed on the mastery of basic accounting concepts and procedures. Mathematical, critical-thinking, problem-solving, decision-making, technology and team building skills are reinforced in this course. The full year must be completed to obtain credit.

#### **BUSINESS COMPUTER APPLICATIONS (BCA)**

Grade: 10-12 Phase: Enriched

Prerequisite: IBCA

Business Computer Applications is designed to provide job training for entry-level employment in computer information processing-related areas or to prepare students for advanced study in the area of computer information processing at the post-secondary level. This course includes topic coverage of concepts and operating systems, word processing, spreadsheets, database management, additional applications, software and telecommunications. Students will have the opportunity to gain Industry Based Certifications in Microsoft Office

Word, Excel, and Access 2016. Eligible students have the opportunity to earn dual-enrollment credit. The full year must be completed to obtain credit.

### **COMPUTER SCIENCE**

Grade: 10-12 Phase: Enriched

Prerequisites: Algebra I

This full-credit course is an introduction to programming. This course provides students with an understanding of what is necessary to create well-designed, well-structured programs. Students learn to use top-down and bottom-up design in developing solutions to a variety of problems.

### **COMPUTER SCIENCE AP**

Grade: 11-12 Phase: Honors

Prerequisite: Consent of instructor

AP Computer Science A introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language. The AP Computer Science A course curriculum is compatible with many CS1 courses in colleges and universities.

### **DIGITAL PHOTOGRAPHY**

Grade: 10-12 Phase: General

½ credit

Prerequisite: Consent of instructor

This course introduces the basics concepts of photography in a digital format. It focuses on photography as art by exploring the elements of art and the principles of design. Students will take pictures in the various venues with emphasis on composition and posing. A digital camera is required.

### **INTRODUCTION TO BUSINESS COMPUTER APPLICATIONS (IBCA)**

Grade: 9-12 Phase: General

The Introduction to Business Computer Applications course begins with a review of basic keyboarding skills. Upon completion of the course, the students will learn all keyboarding techniques and be introduced to the word processing, presentation, spreadsheet, and database software. Students will have the opportunity to gain an Industry Based Certification in Microsoft Office PowerPoint 2016. The full year must be completed to obtain credit.

### **ROBOTICS I/II**

Grade: 9-12 Phase: I-G, II-E

1 or ½ credit

These are two one-semester courses. Students will learn robot design and programming techniques to compete in the Regional Autonomous Robotics Competitions throughout the school year. Emphasis is on problem solving in a team environment.

### **ROBOTICS III**

Grade: 10-12 Phase: Enriched

Prerequisite: Robotics I/II

This course continues with the concepts learned in Robotics I/II at an advanced level. Students will study advanced robot design and programming techniques to compete in the Regional Autonomous Robotics Competitions throughout the school year. Emphasis is on problem solving in a team environment.

### **ROBOTICS IV**

Grade: 11-12 Phase: Enriched

Prerequisite: Robotics III

This course continues with the concepts learned in Robotics III at an advanced level. Students will continue to study advanced robot design and programming techniques to compete in the Regional Autonomous Robotics Competitions throughout the school year. Emphasis is on problem solving in a team environment.

## **ENGLISH ELECTIVES**

## **AMERICAN FOLKLORE**

Grade: 10-12 Phase: Enriched

Prerequisites: English I  
½ Credit

This course examines folklore from ancient times through the present day (Aesop through Urban Legends). Beginning with the archetypal hero journey, we will study the origins of folklore and fairy tales and examine how fairy tales and folklore offer insights into human psychology and culture. Most work is done in class, and grades are based on class participation, tests, projects, and writing.

## **CREATIVE WRITING I**

Grade: 11-12 Phase: Honors, GT

Prerequisites: English II GT, consent of instructor

Do you like to write? Do you want to be a better writer? Then join us as we learn to flesh out characters, create realistic dialogue, write a short novel in November, read samples of the best writers, and look at the world through a poet's eyes. Students will produce a portfolio of creative work, and many assignments will be individualized according to each student's needs.

## **CREATIVE WRITING II**

Grade: 11-12 Phase: Honors, GT

Prerequisites: Creative Writing I; consent of instructor

Is writing your passion? Advanced Creative Writing explores a variety of genres. Units include imagination, family culture, differing perspectives, independent projects, and writing a short novel. Students will produce a portfolio of creative work, and many assignments will be individualized according to each student's needs. Students will be directly involved in the publication of *Sampler*, Magnet's literary magazine.

## **CREATIVE WRITING III**

Grade: 12 Phase: Honors, GT

Prerequisites: Creative Writing I, Creative Writing II; Consent of Instructor

This class will concentrate on three kinds of experiences that offer interesting subject matter for most writers: people, places, and historical moments. The course will emphasize writing and careful revision. We will also explore forms in both shape and subject matter (self-portrait, ode, *terza rima*, couplets, epistle, elegy, sonnet sequence, and contemporary study). In addition to critiquing other participants' work, students will complete creative assignments and a writer's notebook. Assessment based on participation, assignments, notebook and final portfolio.

## **MYTHOLOGY**

Grade: 10-12 Phase: Enriched

½ or 1 credit

Prerequisites: English I, consent of instructor

A survey of World Mythology which includes Greek, Norse, Egyptian, African, and Native American myths and folklore. This course fosters an understanding of core cultural similarities. Additional units to be covered include: the mythology of vampires and werewolves – whose origins can be traced back to Greek mythology – and historically based stories that involve the supernatural. Students work in cooperative learning groups, and must be willing to present material to their peers.

## **NOVELS**

Grade: 9-10 Phase: Enriched

½ or 1 credit

Prerequisites: Enrolled in English I/II E or H

Students will read books representing a variety of genres: fantasy, science fiction, nonfiction, historical fiction, etc. The class is centered on student participation in discussion and in-class projects and activities. The point of this class is to expose students to novels they would not read during the course of their English classes.

## **SHAKESPEARE I, II**

Grade: 11-12 Phase: Enriched

Prerequisites: "C" or better in English I, II, III; Consent of Instructor

½ Credit for each course

This survey of Shakespeare's dramatic works will consist of two one-semester halves designed to provide the student with in-depth coverage of Shakespeare's plays, using selections taken from the tragedies, the histories, the comedies, and the romances. Shakespeare Survey I and Shakespeare Survey II will cover different dramatic selections and themes.

## **JOURNALISM & DEBATE ELECTIVES**

### **DEBATE I – IV**

Grade: 9-12                      Phase: Debate I – G, Debate II-IV – E

Prerequisite: Consent of instructor for II, III, and IV

Debate is an in-depth course in forensic debate and argumentation. Students will learn debate skills, research the national debate question, prepare briefs and files, and polish good speaking deliveries. Students will be expected to demonstrate their forensic skills through participation in debate tournaments, some of which will be out of town and/or overnight trips.

### **NEWSPAPER I, II, III, IV**

Grade: 10 -12                      Phase: Enriched.

Prerequisite: Consent of instructor. Signature required for enrollment.

Students are responsible for the complete production of the *Utopia*, the school's newspaper, including designing, writing, editing, layout design, and advertising. Students should have good writing and speaking skills and be able to work independently and in groups to complete tasks on a given timeline.

### **VIDEO JOURNALISM**

Grade: 10-12                      Phase: General

Prerequisite: consent of instructor

This course includes lecture and discussion on the nature of current affairs and journalism, and weekly completion of video projects and episodes of C.M.T.V. Students learn the fundamentals of video journalism and production, including objectivity, balanced reporting, ethics, scripting, preproduction, logistics, filming, lighting, sound recording, and editing techniques in an environment that is student-led and student-directed with the supervision of the instructor. In addition, students will learn how to provide stage services such as lighting and sound reinforcement for the stage in the Performing Arts Center. This class must be limited in size to no more than 15 students!

### **YEARBOOK I, II, III**

Grade: 10-12                      Phase: Enriched

Prerequisite: Consent of instructor

The yearbook class is charged with the publication of the *Odyssey*. Yearbook publication needs staff members with talents in these fields: advertising and subscription sales, layout, photography, copy writing, art, math, and managerial skills.

## **PE & HEALTH ELECTIVES**

### **CONDITIONING** (*PE elective; does not count as graduation requirement*)

Grade 11-12                      Phase: General

Prerequisite: Instructor approval

This class incorporates conditioning activities to promote improvement in strength, endurance, balance, agility and speed for students who participate in team sports. To participate in the course, students must play a team sport for CMHS and need the consent of the instructor.

### **JROTC TEAM PERIOD**

Grade: 9-12                      Phase: General

Prerequisite: current enrollment in JROTC and consent of instructor

Students currently enrolled in JROTC have the opportunity to enhance their participation on JROTC competitive teams that include Drill Team, Color Guard, and Air Rifle Team. Students may be required to pay a team fee to help

defer cost to purchase training equipment. Students must be currently enrolled in JROTC as a prerequisite to enroll in JROTC Team Period.

## SCIENCE ELECTIVES

### **FORENSIC SCIENCE**

Grade: 10-12 Phase: Enriched

Prerequisite: Biology I

½ Credit

This course covers the history of forensics and legal issues that govern forensic science, and involves learning various crime scene investigation techniques. Lessons include forensic identification, use of a microscope to analyze trace evidence, and techniques for investigating evidence from fire, ballistics, tool marks, and blood spatter.

### **ORGANIC CHEMISTRY** *(offered every other year)*

Grade: 12 Phase: Honors

Prerequisite: "B" or higher in Chemistry I Honors

This course covers selected topics in organic and biochemistry including hydrocarbons, intermolecular forces, functional groups, organic reactions, reaction mechanisms, optical isomerism, carbohydrates, lipids, proteins, nucleic acids, enzymes, hormones, neurotransmitters, and metabolism. There is no laboratory component.

### **SMART**

Grade: 12 Phase: Honors

Prerequisite: ACT score of 28, "B" or above in all science classes, recommendations from Principal, Counselor, and Science Department. Qualifies for 2 Credits (Off-Campus Research)

The Science and Medicine Academic Research Training (SMART) program is a joint effort of Caddo Public Schools, LSU Health Sciences Center, and the Biomedical Research Foundation. There is an extensive application for this course, and only a very few spots are available each year. The two-credit program places students in the laboratories of participating researchers who serve as the students' mentors for the entire year. Students spend a minimum of ten hours per week in the laboratory.

## SOCIAL STUDIES ELECTIVES

### **COMPARATIVE POLITICS**

Grade: 10-12 Phase: Enriched

Prerequisite: Consent of instructor

½ Credit

Comparative Politics analyzes the various forms that democracy can take and studies the root causes of nondemocratic government. This course is paired with Judicial Process.

### **JUDICIAL PROCESSES**

Grade: 10-12 Phase: Enriched

Prerequisite: Consent of instructor

½ Credit

Judicial Processes provides a practical understanding of law and the legal system that will be of use to students in their everyday lives. It also provides exposure to the many vocational opportunities that exist within the legal system. This course is paired with Comparative Politics.

### **PSYCHOLOGY**

Grade: 11-12 Phase: General

½ Credit

In this course the basic foundations of behavior about personality abnormalities, personality understanding, thinking processes, social interaction, and learning are taught. This course satisfies a half-credit of social studies for graduation, but it does not satisfy any TOPS social studies requirements.

## **SOCIOLOGY**

Grade: 11-12

Phase: General

½ Credit

Sociology is the study of human relationships including the family, minorities, adolescence, sex roles, and adulthood. This course satisfies a half-credit of social studies for graduation, but it does not satisfy any TOPS social studies requirements.

## **SPECIAL PROGRAM – AP CAPSTONE DIPLOMA**

### **CAPSTONE RESEARCH AP**

Grade: 12

Phase: Honors

Prerequisite: AP Capstone Seminar and consent of instructor

AP Research is designed to allow you to dive into an academic topic, problem, or issue of individual interest. Students will further develop the skills acquired in the AP Seminar course by understanding research methods; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. The course culminates in an academic paper of 4,000-5,000 words and a presentation with an oral defense during which students will answer questions about their academic paper.

### **CAPSTONE SEMINAR AP**

Grade: 11

Phase: Honors

Prerequisite: Consent of instructor

AP Seminar is a yearlong course that has students investigate real-world issues from multiple perspectives. Students learn to synthesize information from different sources, develop their own perspectives in research-based written essays, and design and deliver oral and visual presentations, both individually and as part of a team. The class culminates with an AP exam.

## **OTHER ELECTIVES**

### **ACADEMIC DECATHLON**

Grade: 10-12

Phase: Enriched

This course is an interdisciplinary independent and group study of a different topic each year. Students learn about the art, music, literature, social studies, economics, and science of a particular country or thematic topic (ex. China, The French Revolution, the 1960s). We also hone students' speech, interview, and essay skills. All GPA levels needed and welcome! Take this class to get a great interdisciplinary look at the year's theme and to prepare and compete for prizes at the state and national level in this prestigious academic competition! The class is set up to require very little homework as long as you participate fully in class. (Materials fee: \$100-\$125)

### **ACT PREPARATION**

Grade: 11-12

Phase: Enriched

Prerequisites: Concurrent or previous enrollment in Algebra II

½ Credit

ACT Prep is a course that allows students to prepare for college entrance tests with a primary focus on the ACT test. This class is designed for juniors and seniors who want to score well on their ACT test or to improve their ACT scores, and students receive intensive instruction in English, Math, Reading, and Science. The course uses classroom instruction on targeted skills, test-taking strategies, and practice tests. Most work is done in class and grades are based on class participation, tests and quizzes, and classwork.

### **INTRODUCTION TO FILM PRODUCTION**

Grade: 10-12

Phase: Enriched

Prerequisite: 2.5 GPA and approval of instructor

The film production class will familiarize students with all aspects of film production for commercial, educational, and dramatic purposes. Pre-production, production, and post-production topics include storyboarding, storytelling, script writing, marketing, lighting, acting, CGI, animation, editing, music dubbing, sound reinforcement, cinematography, production values, direction, financing, distribution and budgeting. As an integral part of the coursework, students

will create unique film products in different categories and will be required to submit entries into film contests selected by the student and instructor. Class size is limited to 15 students.

### **INTRODUCTION TO FILM STUDIES**

Grade: 11-12      Phase: Enriched

1 or ½ credit

The first semester of this course is designed as introductory level 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. The second semester focuses on movies about Shakespeare's plays. Assessment includes written tests, individual or group film project, and a written comprehensive final examination.

### **LIBRARY SCIENCE**

Grade: 9-12      Phase: Enriched

½ Credit

Research skills are more than just a simple Google search. Come learn how to find, assess, and select resources for academic and personal research. Students will work with professional databases, print and electronic books, as well as a variety of online sources, such as primary sources, university library catalogs, and other academic sites. The course culminates with creating an annotated bibliography that will enhance research papers and projects in any other Magnet class. This class will give you the edge in both high school and college classes!

### **PHILOSOPHY**

Grade: 12      Phase: Enriched

Prerequisite: Teacher Approval

The fall semester will survey classical philosophers in the East and West, with emphasis on Roman and Greek thinkers who have had the most influence on western philosophy. The second semester will introduce the philosophers of the Enlightenment and Modernism, with the final units to include nineteenth and twentieth-century reactions to modernism.

### **PHILOSOPHY GT**

Grade: 12      Phase: GT

Prerequisite: Gifted and Talented evaluation

Philosophy begins with the three great Asian and Greek philosophers and progresses to modern philosophers. Along the journey, the seniors learn to philosophize and develop their own philosophy, which they will present in a multimedia format at the end of the year.