

# **LEWISBURG HIGH SCHOOL**



***2016 – 2017***

***Course Catalog***

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## CLASSIFICATION REQUIREMENTS FOR LEWISBURG HIGH SCHOOL

*The classification of students is based on the following requirements:*

*\*For students entering the ninth grade in 2008-2009 and student pursuing a "Catch 22" diploma:*

Freshman	Grade 9	Has earned fewer than 6 Carnegie Units
Sophomore	Grade 10	Has earned at least 6 Carnegie Units and has successfully completed English I
Junior	Grade 11	Has earned at least 12 Carnegie Units and has successfully completed English II
Senior	Grade 12	Has earned at least 18 Carnegie Units and has successfully completed English III

*\*For students entering the ninth grade in 2014-2015:*

Freshman	Grade 9	Has earned fewer than 6 Carnegie Units
Sophomore	Grade 10	Has earned at least 6 Carnegie Units and has successfully completed English I and 2 additional Core Carnegie Units
Junior	Grade 11	Has earned at least 13 Carnegie Units and has successfully completed English II, Algebra I, and 3 additional Core Carnegie Units
Senior	Grade 12	Has earned at least 20 Carnegie Units and has successfully completed English III and on track to graduate

**All students must pass the subject area tests for graduation. The subject area tests are taken near the end of the completion of each class. The subject area tests required for graduation are English II, Algebra I, U.S. History and Biology I.**

**For additional information, refer to the Instructional Program page under Board policies on the [www.desotocountyschools.org](http://www.desotocountyschools.org) website.**

# MISSISSIPPI DEPARTMENT OF EDUCATION STATEWIDE TESTING CALENDAR

Available online [www.mde.k12.ms.us/acad/osa/cal.html](http://www.mde.k12.ms.us/acad/osa/cal.html)

## Subject Area Testing Program

### ACT Test Dates and Registration Information:

<http://www.test-guide.com/act-test-dates.html>

### SAT Dates and Registration Information:

<http://sat.collegeboard.org/register/sat-dates>

# GRADUATION REQUIREMENTS FOR LEWISBURG HIGH SCHOOL AND DESOTO COUNTY SCHOOLS

**SENIORS OF SCHOOL YEAR 2012–2013 and thereafter  
(Entering ninth graders in 2009-2010 and thereafter)**

**For additional information, refer to the Instructional Program page under Board policies on the [www.desotocountyschools.org](http://www.desotocountyschools.org) website.**

Each student graduating from a DeSoto County High School will have earned the required Carnegie units as specified in the following table. Contents of each required and elective course must include the core objectives identified in the Mississippi Curriculum Frameworks. Course titles and identification numbers must appear in the current edition of Approved Courses for Secondary Schools of Mississippi (see SB 2902 and 2903). Enrollment in on-line correspondence courses listed in this book must have prior approval granted by the principal. No more than one (1) of the minimum required number of units may be earned through completion of an approved correspondence course.

Any student who completes the minimum graduation requirements as specified below and has achieved a passing score on each of the required high school exit examinations is eligible to receive a high school diploma. Beginning school year 2009-2010, all entering ninth graders (seniors of school year 2012-2013) will be required to have a minimum of 26 Carnegie units as specified below, unless their parent/guardian requests to opt the student out of Appendix A-3 requirements. Any student who is taken out of these requirements will be required to complete the graduation requirements as specified for seniors graduating in 2007-2008 (Appendix -1). Beginning in the eighth grade, DeSoto County Schools will make parents aware of the opportunity to opt out of the graduation requirements as listed below. However, parents will not have the opportunity to officially opt their student out of the requirements until the student has attended high school for two years or it is an IEP committee decision. If a parent chooses to opt his or her student out of the graduation requirements listed below, the parent and student must attend a conference and sign the necessary forms in the presence of a school official (counselor, principal, etc.) and agree to comply with all parts of the program included in the opt out application form. Students who opt out will receive a diploma with the school name being “Mississippi Department of Education,” not their respective high school.

<b>CURRICULUM AREA</b>	<b>CARNEGIE UNITS</b>	<b>REQUIRED SUBJECTS</b>
<b>ENGLISH</b>	<b>4<sub>1</sub></b>	English I English II English III English IV
<b>MATHEMATICS</b>	<b>4<sub>2</sub></b>	Algebra I
<b>SCIENCE</b>	<b>4<sub>3</sub></b>	Biology I
<b>SOCIAL STUDIES</b>	<b>4<sub>4,5,6</sub></b>	1 World History 1 U.S. History ½ Geography ½ U.S. Government ½ Economics ½ Mississippi Studies
<b>HEALTH/PE</b>	<b>1<sub>7,8,9</sub></b>	½ Contemporary Health and ½ P.E.
<b>BUSINESS &amp; TECHNOLOGY</b>	<b>1<sub>10</sub></b>	1 Science, Technology, Engineering & Mathematics (STEM) or 1 Technology Foundations or ½ Keyboarding and ½ Computer Applications
<b>THE ARTS</b>	<b>1</b>	Any approved 500.000 course or completion of the 2 course sequence for Computer Graphics Technology I and II
<b>ELECTIVES</b>	<b>7<sub>11</sub></b>	
<b>TOTAL UNITS REQUIRED:</b>	<b>26</b>	

1. English I, English II, English III, and English IV are required for graduation. Compensatory Reading and/or Compensatory Writing may not be included in the four English courses required for graduation; however, these courses may be included in the 7½ general electives required for graduation. Accelerated English 9 can be accepted in lieu of English I. Accelerated English 10 and AP English Language Composition can be accepted in lieu of English II. Beginning school year 2010-2011, for all entering ninth graders, English I is a required prerequisite course for English II. English I may not be taken after a student completes English II.
2. Compensatory Mathematics, Introduction to Engineering, and any developmental mathematics course may not be included in the four mathematics courses required for graduation; however, these courses may be included in the 7½ general electives required for graduation. Effective with the eighth graders of 2008-2009, Pre-Algebra and Transition to Algebra may not be taken after a student completes Algebra I. Beginning school year 2007-2008 for all eighth graders, at least two of the four required mathematics courses must be higher than Algebra I. Effective with ninth graders of 2010-2011, Survey of Mathematical Topics may not be included in the two math courses higher than Algebra I. The allowable mathematics courses that can be taken which are higher than Algebra I are: Geometry, Algebra II, Advanced Algebra, Trigonometry, CCSS Advanced Math Plus, Algebra III, SREB Math Ready, Pre-Calculus, Calculus, AP Calculus AB, AP Calculus BC, Discrete Mathematics, Statistics, and AP Statistics. One of the four required mathematics units may be in Drafting if the student completes the 2-course sequence for Drafting I & II. One of the four required mathematics units may be in Survey of Mathematical Topics; however, the course does not meet the mathematics requirement for admission to institutions of higher learning. Effective with the eighth graders of 2004-2005, Pre-Algebra, Transition to Algebra, and Algebra I, may be taken in the eighth grade for Carnegie unit credit. Effective with eighth graders of 2008-2009, Geometry may be taken in the eighth grade for Carnegie unit credit. Effective with the seventh graders of 2012-2013, Pre-Algebra, Algebra I, Biology I, ICT II, and first year Foreign Language may be taken in the seventh grade for Carnegie unit provided the course content is the same as the high school course. Effective with eighth graders of 2012-2013, second year Foreign Language and STEM may be taken in the eighth grade for Carnegie unit credit provided the course content is the same as the high school course. Carnegie units may be earned by seventh and eighth graders effective with school year 2014-2015 for the following courses: CCSS Compacted Math Grade 7, CCSS Math Grade 8, and CCSS Compacted Math Grade 8.
3. Two units may be in the following courses if the student completes the 2-course sequence: Allied Health I and II. Effective with seventh graders of 2012-2013, Pre-Algebra, Algebra I, Biology I, ICT II, and first year Foreign Language may be taken in the seventh grade for Carnegie unit credit provided the course content is the same as the high school course. Effective with eighth graders of 2012-2013, STEM and second year Foreign Language may be taken in the eighth grade for Carnegie unit credit provided the course content is the same as the high school course. Beginning school year 2008-2009 for all entering eighth graders, one unit must be a lab-based physical science. The allowable lab-based physical science courses are Physical Science, Chemistry, AP Chemistry, Physics, AP Physics B, AP Physics C –Electricity and Magnetism, and AP Physics C –Mechanics
4. Based on the 2004 Mississippi Social Studies Framework, Advance Placement Human Geography is accepted in lieu of the required Geography course. AP United States History can be accepted in lieu of the required U.S. History from 1877 to Present course. AP World History can be accepted in lieu of the required World History from 1795 to Present course. AP Government and Politics: United States can be accepted in lieu of the required United States Government course. AP Macroeconomics or AP Microeconomics can be accepted in lieu of the required Economics course. Based on the 2011 Mississippi Social Studies Framework, AP World History can be accepted in lieu of the required World History from the Age of Enlightenment to Present course. AP United States History can be accepted in lieu of the required U.S. History from Post-reconstruction to Present course. AP Government and Politics: United States can be accepted in lieu of the required United States Government course. AP Macroeconomics or AP Microeconomics can be taken in lieu of the required Economics course. AP Human Geography can be accepted in lieu of the required Geography course.
5. Credit earned for Business Fundamentals II may be accepted in lieu of ½ unit in Economics.
6. The credit earned for a State/Local Government course in any other state by an out-of-state transfer student who enters after the sophomore year can stand in lieu of Mississippi Studies or Mississippi State and Local Government. If the transfer student took a State/Local Government course in a grade level that did not award Carnegie unit credit, then any other ½ unit social studies course may be accepted. An out-of-state student who transfers after the junior year may substitute any other ½ unit social studies course.
7. Credit earned in Allied Health I, Health Sciences I, or Theory and Application of Health Sciences I, may be accepted in lieu of Contemporary Health or Family and Individual Health to meet the graduation requirement for ½ Carnegie unit in Health.

8.  
Successful completion of JROTC I and JROTC II may be accepted in lieu of Comprehensive Health or Family and Individual Health to meet the graduation requirement for ½ Carnegie unit in Health.

9.  
The graduation requirement for ½ unit of physical education may include participation in interscholastic athletic activities, band, dance, and JROTC that meet the instructional requirements specified in the Fitness through Physical Education Framework and that are sanctioned by the Mississippi High School Activities Association.

10.  
Evidence of proficiency in technology is accepted in lieu of the required courses if the student earns one unit in a technology-rich academic or career technical course related to their program of study. Effective with the school year 2012-2013, Technology Foundations replaces Computer Discovery, Keyboarding, and Computer Applications and meets this graduation requirement when taken in grades 8-12.

11.  
Only one elective unit in physical education including participation in interscholastic athletic activities, band, performance choral, dance, or JROTC that meet the instructional requirements specified in the Fitness through Physical education Framework and that are sanctioned by the Mississippi High School Activities Association may be applied each year to the minimum 24 state required units. Additional physical education units may be applied to the DCS required additional units.



# College Preparatory Curriculum

## Admission to Public Universities in Mississippi

You can be admitted to a Mississippi university by meeting any of the following criteria:

- Complete the [College Preparatory Curriculum \(CPC\)](#) with a minimum 3.2 high school grade point average (GPA) on the CPC; or
- Complete the College Preparatory Curriculum (CPC) with a minimum 2.50 high school GPA on the CPC or a class rank in the top 50%, and a score of 16 or higher on the [ACT\\*](#) (Composite); or
- Complete the College Preparatory Curriculum (CPC) with a minimum 2.00 high school GPA on the CPC and a score of 18 or higher on the [ACT\\*](#) (Composite); or
- Satisfy the NCAA standards for student athletes who are “full-qualifiers” under Division I guidelines; or
- Students who do not meet the above criteria are nonetheless eligible for admission. Such students must participate, however, in an on-campus placement process at the university of their choice.

The process will determine whether the student may be enrolled in regular freshman-level courses or be required to enroll in the summer semester with mandatory participation in the [Summer Developmental Program](#). Successful completion of the summer semester entitles the student to continued enrollment in the fall semester at the university of his or her choice.

For more information on academic programs, admissions standards, and financial aid, please call 1-601-432-6501 for academic programs and admissions standards information or 1-800- 327-2980 or 1-601-432-6663 for financial aid information.

**\*In lieu of ACT scores, students may submit equivalent SAT scores.**

For students planning to pursue a post secondary education, it is strongly recommended that requirements for the school of choice be considered when selecting courses.

Generally, acceptance to a junior college requires a high school diploma and an ACT score, or a General Education Diploma (GED) and an ACT score. Listed below is an outline of the entrance requirements for the four-year public universities in the State of Mississippi. Admission requirements to out-of-state colleges and universities vary from state to state. The student will need to check with the college of their choice for specific requirements.

**College Preparatory Curriculum  
Admission to Public Universities in Mississippi**

**SENIORS OF SCHOOL YEAR 2011-2012 and later  
(Entering ninth graders in 2008-2009)**

The College Prep Curriculum for students graduating from high school and entering a public institution of higher learning beginning in the summer of 2012 is as follows:

- English: 4 Carnegie Units - Compensatory Reading and Compensatory Writing may not be included.
- Mathematics: 4 Carnegie Units - Includes Algebra I, Geometry, Algebra II, and any one Carnegie Unit of comparable rigor and content. (e.g., Advanced Algebra, Trigonometry, Pre-Calculus, Calculus, AP Calculus AB, AP Calculus BC, Discrete Mathematics, Probability and Statistics, or AP Statistics)
- Science: 4 Carnegie Units - Includes Biology I, Chemistry I, and any two Carnegie Units of comparable rigor and content. (e.g., Physics, Physical Science, Biology II, Chemistry II, AP Chemistry, Physics II, AP Physics B, AP Physics C – Electricity and Magnetism, and AP Physics C – Mechanics, Botany, Microbiology, or Human Anatomy and Physiology.)
- Social Studies: 4 Carnegie Units - Includes World History, U.S. History, Introduction to World Geography, U.S. Government, Economics, and Mississippi Studies. (Credit earned for a State/Local Government course in any other state may stand in lieu of Mississippi Studies.)
- Arts: 1 Carnegie Unit - Includes any one Carnegie Unit of visual and performing arts course(s) meeting the requirements for high school graduation.
- Advanced Electives: 2 Carnegie Units - Includes any two Carnegie Units of Foreign Language (I and II), Advanced World Geography and a Foreign Language (I) or any combination of English, mathematics, or lab-based science courses of comparable rigor and content to those required above.
- Computer Applications: ½ Carnegie Unit - Course should emphasize the computer as a productivity tool. Instruction should include the use of application packages, such as word processing and spreadsheets. The course should also include basic computer terminology and hardware operation.
- Pre-High School Units: Algebra 1, first-year Foreign Language, or Mississippi Studies taken prior to high school will be accepted for admission, provided course content is the same as the high school course.

## 2016 – 2017 COURSES

### ENGLISH/LANGUAGE ARTS/ FOREIGN LANGUAGE

#### ENGLISH I

---1 credit ---

*English I* combines a study of English grammar usage, writing, speaking, reading, listening, and viewing skills into the study of literature and language. Students are introduced to research skills, critical thinking skills, analysis of literature, and the writing process. These skills are emphasized through a variety of writing assignments and projects in conjunction with the reading of various literary forms and styles. Students enrolled in this course will be preparing for the state English assessment given after English II.

#### ACCELERATED ENGLISH I

---1 credit ---

**Prerequisite:** A "90" or higher average in 8<sup>th</sup> grade English & teacher recommendation

*Accelerated English I* is designed for the motivated and responsible student who has displayed a high level of mastery in seventh and eighth grade language arts. In addition to the regular ninth grade language arts course work, students will participate in units both in and out of class including projects, reading and writing assignments, and vocabulary designed to challenge the student in areas of composition, literary analysis, and critical thinking. Strong motivational skills and excellent attendance are a must for this class. Students enrolled in this course will be preparing for the state English assessment given during English II.

#### ACCELERATED GIFTED ENGLISH I

--- 1 credit ---

**Prerequisite:** Acceptance into the Gifted Program

*Accelerated Gifted English I* is offered to identified gifted students. This course is an advanced placement preparatory class for college. In addition to the regular ninth grade language arts course work, students will participate in units both in and out of class including projects, reading and writing assignments, and vocabulary designed to challenge the student in areas of composition, literary analysis, and critical thinking. Strong motivational skills and excellent attendance are a must for this class. Students enrolled in this course will be preparing for the state English assessment given during English II.

#### ENGLISH II

--- 1 credit ---

**Prerequisite:** English I

*English II* combines a study of English grammar usage, writing, speaking, reading, listening, and viewing skills into the study of literature and language. Students continue developing research skills, critical thinking skills, analysis of literature, and the writing process. These skills are emphasized through a variety of writing assignments and projects in conjunction with the reading of various literary forms and styles. As a requirement for graduation, students enrolled in this course must take and pass the state English II assessment.

#### ACCELERATED ENGLISH II

--- 1 credit ---

**Prerequisite:** An "85" or higher in 9<sup>th</sup> grade English & teacher recommendation

*Accelerated English II* is designed for the motivated student who has displayed high mastery of language skills in Eng. I. In addition to the regular English II course work, students will complete advanced units to develop both oral and written communication skills with emphasis on composition and literary analysis. Students enrolled in this course must take and pass the state English II assessment.

#### ACCELERATED GIFTED ENGLISH II

--- 1 credit ---

**Prerequisite:** Acceptance into the Gifted Program

*Accelerated Gifted English II* is offered to identified gifted students. This course is an Advanced Placement preparatory class in which much of the English III curriculum is taught. Students will complete advanced units to develop both oral and written communication skills with emphasis on composition and literary analysis. Students enrolled in this course must take and pass the state English II assessment.

#### ENGLISH III

--- 1 credit ---

**Prerequisite:** English II

The structure of *English III* includes further studies in grammar, composition, American Literature, and oral language skills. Research and documentation skills and techniques will be evaluated through a research paper assignment. Students will be taught the influence of historical events on literature.

#### ACCELERATED ENGLISH III

---1 credit ---

**Prerequisite:** An "85" average in 10<sup>th</sup> grade English & teacher recommendation

*Accelerated English III* is taught at an accelerated pace and covers the material offered in English III and enriches the curriculum to provide students with an easier transition to a four year college or university academic program.

## ENGLISH - LANGUAGE AND COMPOSITION, ADVANCED PLACEMENT (11<sup>th</sup>)

--- 1 credit ---

**Prerequisite:** Pre-determined qualifier based on the LHS English Department and Administration

This course is offered to identified gifted students and is an Advanced Placement class. The student will read and analyze several novels during the course. Course material is based on the gifted English curriculum as well as the curriculum developed for the Advanced Placement course. Emphasis is placed on an advanced reading and writing program. All students are required to take the Advanced Placement exam.

## ENGLISH IV

--- 1 credit ---

**Prerequisite:** English III

The curriculum of *English IV* includes a survey of British Literature. This course combines a study of English grammar usage, writing, speaking, reading, listening, and viewing skills into the study of literature and language with even more emphasis on writing. Students continue developing research skills, critical thinking skills, analysis of literature, and the writing process. These skills are emphasized through a variety of writing assignments and projects in conjunction with the reading of various literary forms and styles.

## ACCELERATED ENGLISH IV

--- 1 credit ---

**Prerequisite:** An "85" average in 11<sup>th</sup> grade English & teacher recommendation

*Accelerated English IV* covers the materials offered in English IV and enriches the curriculum to provide students with an easier transition to a four-year college or university academic program.

## ENGLISH - LITERATURE AND COMPOSITION, ADVANCED PLACEMENT (12<sup>th</sup>)

--- 1 credit ---

**Prerequisite:** Pre-determined qualifier based on the LHS English Department and Administration

This course is offered to identified gifted students. Course material is based on the gifted English curriculum as well as curriculum developed for the Advanced Placement course leading to taking the AP test. Emphasis is placed on an advanced reading and writing program completing the content of the course. English and World Literature are primary focuses with emphasis in writing and analyzing major works from these two sources. Students will practice writing and testing for the AP Test.

## DUAL CREDIT – ENGLISH COMPOSITION I

--- 1 credit ---

**(11<sup>th</sup> and 12<sup>th</sup> grade)**

--- 3 Hour College Credit ---

**Prerequisite:** ACT English sub-score of 17 or above, GPA of 3.0 on a 4.0 scale, Letter of Recommendation from Counselor or High School Principal

**MUST ALSO: SUBMIT PAYMENT BASED ON NORTHWEST COMMUNITY COLLEGE COURSE FEES, COMPLETE NWCC APPLICATION, and SEALED TRANSCRIPT**

This course prepares the student to think critically and compose texts for academic and professional rhetorical situations.

## DUAL CREDIT – ENGLISH COMPOSITION II

--- 1 credit ---

**(11<sup>th</sup> and 12<sup>th</sup> grade)**

--- 3 hour College Credit ---

**Prerequisite:** ENG 1113 – English Composition I, ACT English sub-score of 17 or above, GPA of 3.0 on a 4.0 scale, Letter of Recommendation from Counselor or High School Principal

**MUST ALSO: SUBMIT PAYMENT BASED ON NORTHWEST COMMUNITY COLLEGE COURSE FEES, COMPLETE NWCC APPLICATION, and SEALED TRANSCRIPT**

This course is a continuation of ENG 1113 with emphasis on research, argumentation and composition. Readings, essays, and a research paper are required.

## PSAT

---1 credit ---

**Prerequisite:** PSAT Score (by invitation only)

The *PSAT* class curriculum is first and foremost an advanced math, reading, and writing class designed primarily to teach students skills and test taking strategies that will help them with their scores on the PSAT, the SAT and the ACT. A week long summer seminar is also part of this curriculum. The ultimate goal of this class is to develop skills needed for students to enter The National Merit Scholarship program.

## SPANISH

--- 1 credit ---

**Prerequisite:** none

*Spanish I* emphasizes basic conversational skills, basic grammar and vocabulary of the Spanish language, as well as learning cultural characteristics among the Spanish speaking countries. Simple creative writing skills will be developed.

## SPANISH II

--- 1 credit ---

**Prerequisite:** Spanish I

*Spanish II* emphasizes grammar and furthers conversational and writing skills. Reading comprehension is a vital part of this course. The culture of the Spanish-speaking world is presented in written and spoken Spanish.

### **SPANISH III**

--- 1 credit ---

**Prerequisite:** Spanish II

*Spanish III* brings students to an intermediate level of communicating. The student will participate in more challenging conversations and communicate successfully in real-life situations. Students will also be introduced to short stories and brief dramatic sketches to strengthen their reading skills and introduce recognized Spanish authors. A "B" average in Spanish II is recommended.

### **SPANISH IV**

--- 1 credit ---

**Prerequisite:** Spanish III

*Spanish IV* is designed to enable and inspire students to augment their language skills for use in real-life applications in a global community. Students in all levels engage in similar activities pertaining to the National Standards for Foreign Language Learning; however, Level IV students should demonstrate increasing sophistication in their use of language skills and cultural knowledge. Level IV is characterized by movement from interactive to initiative language behavior. Students should initiate and maintain communication using a variety of culturally and linguistically appropriate strategies.

### **GERMAN I**

--- 1 credit ---

**Prerequisite:** None

*German I* emphasizes basic conversational skills, basic grammar and vocabulary of the German language, as well as learning cultural characteristics among the German speaking countries. Simple creative writing skills will be developed.

### **GERMAN II**

--- 1 credit ---

**Prerequisite:** German I

*German II* emphasizes grammar and furthers conversational and writing skills. Reading comprehension is a vital part of this course. The culture of the German-speaking world is presented in written and spoken German.

## **MATHEMATICS**

### **ALGEBRA I**

--- 1 credit---

**Prerequisite:** an 85 average or higher in Pre-Algebra

The fundamental purpose of *Algebra I* is to formalize and extend the mathematics that students learned in the middle grades. Because it is built on the middle grades standards, this is a more ambitious version of Algebra I than has generally been offered. Instruction will focus on five critical areas: (1) analysis and explanation of the process of solving equations and inequalities; (2) learning function notation and developing the concepts of domain and range; (3) using regression techniques; (4) creating quadratic and exponential expressions; and (5) selecting functions to model phenomena.

### **GEOMETRY**

---1 credit---

**Prerequisite:** Algebra I

The fundamental purpose of *Geometry* is to formalize and extend students' geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Important differences exist between this Geometry course and the historical approach taken in Geometry classes. Close attention should be paid to the introductory content for the Geometry conceptual category found in the high school CCSS. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

### **ALGEBRA II**

---1 credit---

**Prerequisite:** Geometry

In *Algebra II* students build on their work with linear, quadratic, and exponential functions, to extend their repertoire of functions to include polynomial, rational, and radical functions. Students will work closely with the expressions that define the functions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The Mathematical Practice Standards apply throughout this course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

### **DUAL CREDIT COLLEGE ALGEBRA**

**(11<sup>th</sup> and 12<sup>th</sup> grade)**

--- 3 Hour College Credit ---

**Prerequisite:** "B" average in Algebra II, ACT composite of 21 or higher, GPA of 3.0 on a 4.0 scale, Letter of Recommendation from Counselor or High School Principal

**MUST ALSO: SUBMIT PAYMENT OF APPROXIMATELY \$80, HAVE NWCC APPLICATION, and SEALED TRANSCRIPT**

This course includes a study of inequalities, functions, linear and quadratic equations, circles and their graphs, applications, polynomial and rational functions, logarithmic and exponential functions, and systems of equations.

### **Algebra III**

---1 credit---

**Prerequisite:** Algebra II and Geometry

Algebra III, a one-credit course, includes content standards from the 2007 Mississippi Mathematics Framework Revised Pre-Calculus course and the Common Core State Standards for Mathematics, and covers those skills and objectives necessary for success in courses higher than Algebra II and Integrated Mathematics III. Topics of study include sequences and series, functions,

and higher order polynomials. Polynomial functions provide the context for higher-order investigations. Topics are addressed from a numeric, graphical, and analytical perspective. Technology is to be used to enhance presentation and understanding of concepts. The instructional approach should provide opportunities for students to work together collaboratively and cooperatively as they solve routine and non-routine problems. Communication strategies should include reading, writing, speaking, and critical listening as students present and evaluate mathematical arguments, proofs, and explanations about their reasoning. Algebra III is typically taken by students who have successfully completed Algebra II and Geometry.

### **SREB Math Ready Course**

---1 credit---

**Prerequisite:** Algebra I and Geometry

The Southern Region Education Board (SREB) Math Ready Course, a one-credit course, is designed to assist students who are in need of a fourth year mathematics preparatory course prior to entering college. This course is best suited for students who have not mastered skills needed for Advanced Placement courses. The course is built with rigor, innovative instructional strategies, and a concentration on contextual learning that departs from procedural memorization and focuses on engaging the students in a real-world context. In short, this course targets students with weaknesses and college-ready skill gaps and re-educates them in new ways to ensure they are prepared for postsecondary-level mathematics.

The Math Ready course focuses on the key readiness standards from the Common Core State Standards for Mathematics as well as the eight Standards for Mathematical Practice needed for students to be ready to undertake postsecondary academic or career preparation in non-STEM fields or majors. The course addresses content standards taught throughout high school, including content from Algebra I, Geometry, and Algebra II that are essential for college and careers.

The SREB Math Ready Course consists of seven mandatory modules (or units): algebraic expressions, equations, measurement and proportional reasoning, linear functions, linear systems of equations, quadratic functions, exponential functions, and an optional module on summarizing and interpreting statistical data. While this course covers the basics in math practices and reviews the procedural steps needed to be successful in math, it is designed to be taught in a new, engaging way based heavily on conceptual teaching and learning. Eight units comprise this course.

### **ADVANCED PLACEMENT CALCULUS AB**

---1 credit---

**Prerequisite:** Pre-Calculus

*Advanced Placement Calculus AB* is a college level calculus course designed for those students who wish to earn college credit and/or advanced placement from institutions of higher learning. This course fulfills the criteria for the Calculus AB Examination offered by the College Board. Students will be introduced to differential and integral calculus and will cover as much material as a standard first semester of college calculus. Emphasis will be on the College Board outline of the Calculus AB Exam. Topics will include functions, limits, continuity, derivatives, applications of derivatives, methods of integration, and applications of integration

## **SCIENCE**

### **INTRODUCTION TO BIOLOGY**

--- 1 credit ---

**Prerequisite:** none

*Introduction to Biology* is designed to strengthen basic skills needed for Biology which students must pass in order to graduate. Concepts covered in this course include scientific problem solving, research, experimental design, laboratory safety, measurement, graphing, characteristics of life, cell structure and function, energy transfer in biological systems, genetics, and diversity of life. Laboratory activities, research, the use of technology, and the effective communication of results through various methods are integral components of this course. This course does not count as a lab-based science requirement for graduation.

### **BIOLOGY I**

--- 1 credit ---

**Prerequisite:** none

*Biology I* is a laboratory-based course designed to study living organisms and their physical environments. Students will apply scientific methods of inquiry and research in the examination of the chemical basis of life, cell structure, function and reproduction, energy, natural selection and diversity, and ecology. Laboratory activities, the use of technology, and the effective communication of results through various methods are integral components of this course.

### **EARTH AND SPACE SCIENCE**

--- 1 credit ---

**Prerequisite:** none

*Earth and Space Science* is an introductory, laboratory-based course designed to explore the Earth and Universe. Topics include the composition of the Earth, weathering, plate tectonics, fossils, oceanography, atmospheric phenomena, the water cycle, and planetary and star systems. Laboratory activities, the use of technology, and the effective communication of results through various methods are integral components of this course.

### **PHYSICAL SCIENCE**

--- 1 credit ---

**Prerequisite:** none

The *Physical Science* course provides opportunities for students to develop and communicate an understanding of physics and chemistry through lab-based activities, mathematical expressions, and concept exploration. Concepts covered in this course include structure of matter, chemical and physical properties and changes, kinematics, dynamics, energy, waves, electromagnetic spectrum, electricity, and magnetism. Laboratory activities, the use of technology, and the effective communication of results through various methods are integral components of this course.

### **BOTANY**

---1 credit ---

**Prerequisite:** none

*Botany* is a laboratory-based course applying basic biological principles to the study of plant life. Topics studied include

morphological characteristics of each division and variation in their reproduction, taxonomy, and physiology.

## ZOOLOGY

--- ½ credit ---

**Prerequisite:** none

*Zoology* is a laboratory-based course that surveys the nine major phyla of the Kingdom Animalia. Morphology, taxonomy, anatomy, and physiology should be investigated. Comparative studies may be addressed during laboratory observations and dissections. Laboratory activities, research, the use of technology, and the effective communication of results through various methods are integral components of this course.

## CHEMISTRY I

---- credit ----

**Prerequisite:** Biology I & Algebra II

*Chemistry I* provides opportunities for students to develop and communicate an understanding of structure, physical and chemical properties, and chemical change. Concepts covered in this course include properties of matter, measurement and use of the International System of Measurement applied to mathematical operations, atomic theory, bonding, periodicity, nomenclature, equations and reactions, stoichiometry of aqueous solutions, thermodynamics, kinetics, equilibrium, oxidation-reduction and electron chemistry, nuclear chemistry, and organic chemistry. Laboratory activities, research, the use of technology, and the effective communication of results through various methods are integral components of this course.

## CHEMISTRY ADVANCED PLACEMENT

--- 1 credit---

**Prerequisite:** Algebra II & Chemistry I

*Chemistry AP* provides students with a foundation to support future advanced course work in chemistry. Through inquiry-based learning, students develop critical thinking and reasoning skills. Students cultivate their understanding of chemistry and science practices as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. Twenty-five percent of the instructional time provides students with opportunities to

## BIOLOGY II

---1 credit---

**Prerequisite:** Biology I & Physical Science or Chemistry I

*Biology II* is a laboratory-based course that continues the study of life. The units studied include biochemical life processes, molecular basis of heredity, natural selection, behavior patterns, and advanced classification and organism studies. Laboratory activities, research, the use of technology, and the effective communication of results through various methods are integral components of this course.

## BIOLOGY ADVANCED PLACEMENT

---1 credit---

**Prerequisite:** 90 average or higher in Algebra II & Chemistry I with teacher approval

The *AP Biology* course is designed to be the equivalent of the general Biology course usually taken during the first year of college. It will enable students to develop advanced inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines, and connecting concepts in and across domains. There will be an emphasis on science practices which will allow ways to coordinate knowledge and skills in order to accomplish a goal or task. The science practices enable students to establish lines of evidence and use them to develop and refine stable explanations and predictions of natural phenomena. The result will be readiness for the study of advanced topics in subsequent college courses.

## HUMAN ANATOMY AND PHYSIOLOGY

--- 1 credit ---

**Prerequisite:** Biology I & Physical Science or Chemistry I

*Human Anatomy and Physiology* is a laboratory-based course that investigates the structure and function of the human body. Topics covered include the basic organization of the body, biochemical composition, and major body systems along with the impact of diseases on certain systems. Laboratory activities, research, the use of technology, and the effective communication of results through various methods are integral components of this course.

## PHYSICS

- 1 credit -

**Prerequisite:** Chemistry I

*Physics* provides opportunities for students to develop and communicate an understanding of matter and energy through lab-based activities, mathematical expressions, and concept exploration. Concepts covered in this course include kinematics, dynamics, energy, mechanical and electromagnetic waves, and electricity. Laboratory activities, research, the use of technology, and the effective communication of results through various methods are integral components of this course.

## AEROSPACE STUDIES

--- ½ credit ---

**Prerequisite:** none

The *Aerospace Studies* course provides opportunities for students to develop and communicate an understanding of aerodynamics through lab-based activities, mathematical expressions, and concept exploration. Concepts covered in this course include aerodynamics, instrumentation, aircraft's propulsion, navigation, and history of flight. Laboratory activities allow students to observe and analyze aerodynamic situations as they relate to physical laws and concepts. Research, the use of technology, and the effective communication of results through various methods are integral components of this course.

## ASTRONOMY

--- ½ credit ---

**Prerequisite:** none

The *Astronomy* course will provide opportunities for students to develop and communicate an understanding of astronomy through lab-based activities, mathematical expressions, and concept exploration. Concepts covered in this course include history of astronomy, technology and instruments, Kepler's and Newton's Laws, celestial bodies, and other components of the universe.

Laboratory activities, research, the use of technology, and the effective communication of results through various methods are integral components of this course.

## SOCIAL STUDIES

### **MISSISSIPPI STUDIES**

--- ½ credit---

**Prerequisite:** none

*Mississippi Studies* is designed to foster appreciation for the state, its history and its culture. The content will include the geographic, historic, economic, political, and social events that have contributed to the state's development. The course traces Mississippi's economic transition from agriculture to industry and its effort to expand participation of all its citizens in the political process.

### **INTRODUCTION TO WORLD GEOGRAPHY**

--- ½ credit---

**Prerequisite:** none

*Introduction to World Geography* will examine the major regions of the world while focusing on the influence the physical environment plays on such things as climate, culture, political characteristics, and history.

### **WORLD HISTORY FROM 1750 TO PRESENT**

--- 1 credit---

**Prerequisite:** none

*World History From 1750 to Present* focuses on the development, connections, and global influences of the Western World. Europe and the United States historic global activity and how that activity has characterized the development of the rest of the world are emphasized. Connections to other countries/continents and to the modern world are made as well.

### **UNITED STATES HISTORY FROM 1877 TO PRESENT**

--- 1 credit---

**Prerequisite:** none

The *United States History from 1877 to Present* framework requires students to examine the major turning points in American history from the period following Reconstruction throughout the Twentieth Century and entering into the new millennium. Specific themes should be emphasized throughout the course focusing on the expanding role of the federal government and federal courts; the continuing tension between the individual and the state and between minority rights and majority power; the emergence of a modern corporate economy; the role of the federal government and Federal Reserve System in the economy; the impact of technology and industry on American society and culture; change in the ethnic composition of American society; the movements toward equal rights for racial and ethnic minorities and women; and the role of the United States as a major world power.

### **ADVANCED WORLD GEOGRAPHY**

--- 1 credit---

**Prerequisite:** Introduction to World Geography

The *Advanced World Geography* framework requires that student learning focus on understanding the systems and processes that produce the features and patterns that lie on Earth's surface and appear on maps and globes. Identification of map features and place locations carries little value unless it facilitates student learning of these underlying systems and process. The primary purpose of the course is to build deep, systematic understanding of how Earth's physical and human geography came to be and continues to evolve.

### **PSYCHOLOGY**

--- ½ credit---

**Prerequisite:** none

*Psychology* focuses on the history, advances in technology, and both internal and external influences that affect human mental development. The student should learn the various elements of human behavioral development that emphasize concepts such as self-esteem and self-responsibility. The course should be presented in thematic units using various learning experiences such as group interaction and community service. Skill development should include, but is not limited to, the interpretation and application of maps, graphs, charts, political cartoons, primary documents, and other social studies tools. The avenues for these concepts are developed through the social studies strands.

### **SOCIOLOGY**

--- ½ credit ---

**Prerequisite:** none

*Sociology* engages in the study of people and their lives in groups. This will be done by examining how people behave in groups and how interaction shapes both individual and group behaviors. The analysis of the rules, organizations, and value systems that enable people to live together will also be an area of emphasis

### **LAW RELATED EDUCATION**

--- ½ credit ---

**Prerequisite:** none

*Law Related Education* focuses on the legal system for youth in our society as well as on criminal and civil law. The class will feature lecture, discussion, reading, and simulation.

### **ECONOMICS**

--- ½ credit---

**Prerequisite:** none

*Economics* focuses on an awareness of the relationship of world economic systems. The student should trace the American economic system and the impact of that system in a global setting. The student should also develop an understanding of microeconomics and macroeconomics from individual finances to world economic organizations.



## **UNITED STATES GOVERNMENT**

--- ½ credit---

**Prerequisite:** none

*United States Government* should provide students with an understanding of civic life, politics, and the constitutional process. It should also provide a basis for understanding the rights and responsibilities of citizens and a framework for competent and active participation. The formal curriculum should be augmented by related learning experiences in both school and community.

## **EUROPEAN HISTORY ADVANCED PLACEMENT**

--- 1 credit ---

**Prerequisite:** Instructor Approval

The study of European history since 1450 introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. Without this knowledge, we would lack the context for understanding the development of contemporary institutions, the role of continuity and change in present-day society and politics, and the evolution of current forms of artistic expression and intellectual discourse. In addition to providing a basic narrative of events and movements, the goals of the AP program in European History are to develop (a) an understanding of some of the principal themes in modern European History, (b) an ability to analyze historical evidence and historical interpretation, and (c) an ability to express historical understanding in writing.

## **U.S. GOVERNMENT AND POLITICS ADVANCED PLACEMENT**

--- 1 credit ---

**Prerequisite:** Instructor Approval

A well-designed AP course in *United States Government and Politics* gives students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. government and Politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics. While there is no single approach that an AP United States Government and Politics course must follow; students should become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes. The following topics are usually covered in all college courses: constitutional underpinnings of the U.S. government, political beliefs and behaviors, political parties, interest groups and mass media, institutions of National Government public policy, and civil rights and civil liberties.

## **U.S. HISTORY ADVANCED PLACEMENT**

--- 1 credit ---

**Prerequisite:** Instructor Approval

The *AP U.S. History* course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in U.S. history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials—their relevance to a given interpretive problem, reliability, and importance—and to weigh the evidence and interpretations presented in historical scholarship. An AP U.S. History course should thus develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format.

## **WORLD HISTORY ADVANCED PLACEMENT**

--- 1 credit ---

**Prerequisite:** Instructor Approval

*AP World History* focuses on developing students' abilities to think conceptually about world history from approximately 8000 BCE to the present and apply historical thinking skills as they learn about the past. 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.

# **BUSINESS & COMPUTER EDUCATION**

## **TECH FOUNDATIONS**

--- 1 credit ---

*Keyboarding* is an introductory course that familiarizes students with a computer keyboard with emphasis on mastery key stroking skill for entering alphabetic, numeric, and symbolic information. It is expected that the students will achieve the speed and accuracy needed in preparation for later computer classes. Students format documents such as letters, memorandums, reports, and tables for personal, educational, and business uses. *Computer Applications* is designed to provide each student with essential skills and knowledge necessary to use computer hardware and software in daily life and occupational settings and to improve and enhance other curriculum areas. Emphasis is placed on common applications including word processing, data management, spreadsheets, and presentation software.

## **PERSONAL FINANCE**

--- ½ credit ---

**Prerequisite:** none

*Personal Finance* allows students to explore personal financial decision-making. It also helps each individual utilize skills in money management, record keeping, and banking. The course accomplishes this by the study of basic concepts involving career analysis, taxes, checking accounts, saving accounts, credit, buying a vehicle, owning a home versus renting, and comparison-shopping as well as other financial matters. Students learn true life lessons that will be used throughout their lifetimes.

## **BUSINESS LAW**

--- ½ credit ---

**Prerequisite:** none

*Business Law* is designed to introduce students to business laws and regulations regarding employment, workplace safety, and technology. Various aspects of contract law, sales and property law, and the legalities of borrowing money will be explored.

## **ENTREPRENEURSHIP**

--- 1 credit ---

**Prerequisite:** none

*Entrepreneurship* is designed to teach students all aspects of what is involved in starting and maintaining a business through successful entrepreneurship performance. Inventions and innovations will be studied as well as the incorporation process for a business. Learning about the planning process, decision making, start-up expenses, and economic principles for small businesses are a key part of the course. The importance of accounting fundamentals, financial management, human resource management, and marketing will be studied in regard to a successful business venture

## **BUSINESS FINANCE**

--- 1 credit ---

**Prerequisite:** none

*Business Finance* is designed to teach students the nature of business finance, ethics, and corporate responsibility. Students will be exposed to how businesses conduct financial analysis in decision making to include the use of financial statements, budgets, cash flow data, debt, and risk versus opportunity information. The American Banking System, ethics, compliance, international business, trade, and currency will be studied.

## **GRAPHIC DESIGN I**

--- ½ credit ---

**Prerequisite:** none

*Graphic Design I* allows students to learn about school policies, program policies, and safety procedures related to Digital Media Technology. Teamwork, leadership, and good interpersonal skills will be an integral part of this course. Students will learn the set-up, operation, and trouble shooting of graphic design computers.

## **GRAPHIC DESIGN II**

--- ½ credit ---

**Prerequisite:** Graphic Design I

*Graphic Design II* allows students to research and adhere to copyright rules, regulations, and issues related to graphics images produced by others and original work. Students will research and evaluate on-line content while abiding by the journalistic code of ethics. Color theory, design principles, photography analysis, and layout design are skills that will be developed. Students will create publications such as advertisements, brochures, and newsletters.

## **COMPUTER SCIENCE, AP**

---1 credit ---

**Prerequisite:** Algebra II

The AP Computer Science Principles course is designed to be equivalent to a first-semester introductory college computing course. In this course, students will develop computational thinking vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. The course is unique in its focus on fostering student creativity. Students are encouraged to apply creative processes when developing computational artifacts and to think creatively while using computer software and other technology to explore questions that interest them. They will also develop effective communication and collaboration skills, working individually and collaboratively to solve problems, and discussing and writing about the importance of these problems and the impacts to their community, society, and the world.

# **VOCATIONAL**

## **FAMILY & CONSUMER SCIENCES**

### **CHILD DEVELOPMENT**

--- ½ credit---

**Prerequisite:** none

*Child Development* is a course which develops skills related to the physical, social, intellectual and emotional development of the child. Focus will be on pre-natal development through the age of three. This class includes instruction on considerations for parenthood, prenatal care, child growth and development, behavior management, needs of exceptional children, and career opportunities.

### **NUTRITION AND WELLNESS**

--- ½ credit ---

**Prerequisite:** none

*Nutrition and Wellness* is a course that develops skills related to proper nutrition and the concept of overall wellness. The class includes instruction in nutrition, exercise and diet, healthy food choices, meal preparation and components of a healthy lifestyle.

### **FAMILY DYNAMICS**

--- ½ credit ---

**Prerequisite:** none

*Family Dynamics* is a course which develops skills related to personal, family and issues. It includes instruction in dimensions of adolescent development, family decisions and responsibilities, and management of family systems in today's society.

## **VOCATIONAL TECHNICAL**

11<sup>th</sup> – 12<sup>th</sup>

--- 2 credits ---

**Prerequisites:** 90% attendance rate, Discipline Review, and a "C" or higher in English & Math

*Vocational Technical* classes for Lewisburg Juniors and Seniors are offered at the Olive Branch Vo-Tech Center. Courses are designed to offer two years of training. Students attend the Vo-Tech center for the first block of the day, and are transported by bus to and from the Vo-Tech Center. Course work must be planned carefully with the vocational counselor to insure completion of requirements for graduation. The vocational counselor holds Vo-Tech sign-up early each spring. Vo-Tech offers courses in

## **PERFORMING & VISUAL ARTS**

### **ART**

#### **DRAWING I**

--- ½ credit ---

**Prerequisite:** none

*Drawing I* involves a broad range of drawing media, techniques, and processes. In this course, students will continue to develop prior knowledge and skills in the creation and study of works of art and design, building on concepts and skills acquired in the prerequisite course Visual Arts Level I. Work will encompass two-dimensional art forms rendered in wet and dry drawing media with an emphasis on working in black and white and an introduction to color techniques.

#### **VISUAL ART STUDIO I**

--- ½ credit ---

**Prerequisite:** none

*Visual Art Studio I* is a comprehensive program teaching students the basic concepts of drawing, painting, printmaking, and three-dimensional design. It employs the students' capacity to take skills in working with form, space, and color, and then applying learned skills in creating original solutions. Non-verbal reasoning and the ability to problem solve are paramount.

#### **CERAMICS I**

--- 1 credit ---

**Prerequisite:** none

*Ceramics I* will allow the student to explore the potential of clay as a functional and sculptural material. This investigation will include a variety of ceramic materials and processes such as hand-building, molding, throwing, surface treatments and firing. A historical perspective of ceramics and sculpture will be introduced.

#### **CERAMICS II**

--- 1 credit ---

**Prerequisite:** Ceramics I

In *Ceramics II* students will develop expressive and advanced technical skills in ceramics and sculpture. Advanced design concepts in form and surface decoration will be explored. Traditional and contemporary ceramics/sculpture will be studied as a basis for design concepts.

#### **GIFTED VISUAL ART IV**

--- 1 credit ---

**Prerequisite:** ACCEPTANCE INTO THE GIFTED ART PROGRAM AND INSTRUCTOR APPROVAL

This advanced program of study focuses on the creation of a portfolio for use in the pursuit of higher education or career opportunities. Students will work at a sophisticated level applying their knowledge of production, critical analysis, history and culture, aesthetics, and connections among the visual arts, other content areas, and everyday life.

#### **GIFTED ART, STUDIO-2D DESIGN PORTFOLIO-ADVANCED PLACEMENT**

--- 1 credit ---

**Prerequisite:** ACCEPTANCE INTO THE GIFTED ART PROGRAM AND INSTRUCTOR APPROVAL

This course involves purposeful decision-making about how to use elements and principles of design in an integrative way. This portfolio is intended to address a very broad interpretation of design issues. The student will be asked to demonstrate a conscious and deliberate application of design issues using a variety of media.

#### **GIFTED ART, STUDIO-3D DESIGN PORTFOLIO-ADVANCED PLACEMENT**

--- 1 credit ---

**Prerequisite:** ACCEPTANCE INTO GIFTED ART PROGRAM AND INSTRUCTOR APPROVAL

This course is intended to address a broad interpretation of sculptural issues dealing with form, space, and composition.

#### **GIFTED ART, STUDIO-DRAWING PORTFOLIO, ADVANCED PLACEMENT**

--- 1 credit ---

**Prerequisite:** G-ART STUDIO 2D DESIGN, G-ART STUDIO-3D DESIGN, AND ACCEPTANCE INTO THE GIFTED ART PROGRAM & INSTRUCTOR APPROVAL

This course is designed to address a broad interpretation of drawing issues on a college level: painting, printmaking, studies for sculpture, some forms, of design, both abstract and observational works. Slides of the portfolio work will be suitable for applying for college admission and scholarships, although students registering for this course need not intend to major in art. Eligibility is by approval, based on the student's motivation and performance in previous art classes.

### **JOURNALISM**

#### **BROADCAST JOURNALISM (Patriot Vision)**

--- 1 credit ---

**Prerequisite:** STUDENTS MUST AUDITION & HAVE INSTRUCTOR APPROVAL

The *Broadcast Journalism* course provides the student with quality academic instruction in television/radio/video production by providing training in equipment operation, reporting, and scriptwriting, as well as planning, directing, and producing video projects. This course explores the process of video taping as an art form. Students will concentrate on creating, producing, taping, and critiquing of original and published video and film.

## **JOURNALISM/ YEARBOOK**

--- 1 credit ----

**Prerequisite:** INSTRUCTOR APPROVAL

In this class, students produce the high school yearbook, which serves as a journalistic and historical record of the year. Students learn to work as team members, producing the publication on deadline. Work completed by students includes writing feature stories, taking photos, laying out pages, designing graphics and selling advertisements

## **MUSIC**

### **BAND**

---1 credit ---

**Prerequisite:** ONE YEAR OF BAND AND INSTRUCTOR APPROVAL

The LHS *Band* meets daily Monday-Friday during a block. The band also rehearses after school as scheduled. All activities and performances are required for all members. More specific information can be acquired from the Band Director.

### **GENERAL MUSIC**

--- ½ credit ---

**Prerequisite:** none

*General Music* is designed to expose students to all aspects of the musical experience. Students will gain some appropriate level of expertise from an experience-based curriculum designed to include an understanding of music in our global culture.

### **CHORAL MUSIC**

--- 1 credit ---

**Prerequisite:** none

This course is a NON-auditioned, entry level choir for any male or female student. Emphasis is placed upon developing proper vocal technique, sight-singing skills and individual musicianship. The choir will perform each semester for a scheduled public concert and may also perform for district or state festivals. Students who need to receive an art credit are welcome to participate in this class.

### **CHORAL ENSEMBLE**

--- 1 credit ---

**Prerequisite:** INSTRUCTOR APPROVAL

*Choral Ensemble* is an auditioned, advanced level choir for male and female students who have become proficient in basic vocal techniques and music reading skills. There is continued emphasis placed upon developing proper vocal technique, sight-singing skills and individual musicianship skills at a more sophisticated level. The choir will perform each semester for a scheduled public concert, at district and state festivals, and at other festivals and competitions determined by the director. All performances are required.

### **MUSIC THEORY & HARMONY/LITERATURE**

--- 1 credit ---

**Prerequisite:** INSTRUCTOR APPROVAL

*Music Theory & Harmony/Literature* examines the basic elements of Music Theory and Music Literature. Previous keyboard, choral or instrumental music performing experience is a prerequisite for admission into this course. The analytical study of scales, keys, chords, and composition elements complements other high school music performance courses. A survey of music literature will broaden student knowledge of music as an art form, and will aid understanding of the connection between music theory and music literature.

## **PHYSICAL EDUCATION**

### **PHYSICAL EDUCATION**

--- ½ credit---

**Prerequisite:** none

All students are required to take a ½ credit of *Physical Education* during high school.

### **CONTEMPORARY HEALTH**

--- ½ credit ---

**Prerequisite:** none

*Contemporary Health* is a required course for all students for graduation. It includes classroom and hands-on experiences that help students acquire the knowledge, attitudes, and skills necessary for making health-promoting decisions, achieving health literacy, adopting health-enhancing behaviors, and promoting health in today's society. It includes instruction on human growth and development, disease prevention and control, abstinence, substance abuse and prevention, community and environmental health, nutrition and wellness, and safety and first aid.

### **SAFETY EDUCATION**

--- ½ credit ---

**Prerequisite:** none

*Safety Education* includes learning about the importance of and need for safety in different areas and activities. Students will complete the course with certifications in hunting safety, boating safety, and first-aid and CPR.

### **DRIVER EDUCATION**

--- 1 credit ---

**Prerequisite:** none

*Driver Education* is designed to preserve lives through the education and training of students in the operation of automobiles. Thirty hours of classroom instruction in defensive driving, driving "rules and regulations," and the development of responsible drivers are required. Six hours of actual driving per student is also required so student must acquire a learner's permit.