



# **CURRICULUM**

## **Programs of Study**

**Grades K-12**

**2017-2018**

**Lee County School District  
1280 College View Drive  
Tupelo, Mississippi 38804  
662-841-9144  
[www.leecountyschools.us](http://www.leecountyschools.us)**

**Superintendent, Mr. Jimmy Weeks  
Assistant Superintendent, Mr. Coke Magee**

**Lee County School Board Members  
Mrs. Sherry Mask, President  
Mr. Mike Mitchell, Vice President  
Mrs. Mary Edwards, Secretary  
Mr. Hal Swann, Member  
Mr. Ronnie Bell, Member**

*Lee County School District is in compliance with Title VI of the Civil Rights Act of 1964, including regulations in vocational education, Title IX of the Educational Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Family Educational Rights and Privacy Act of 1974, and the Americans with Disabilities Act.*

*The Lee County School District does not discriminate on the basis of race, color, national origin, sex, disability, religion, or age in the services or employment opportunities and benefits. The Career and Technical Education Department (CTE) encourages males and females to enroll in nontraditional classes and to train for nontraditional jobs. Copies of the Title IX policy of the Educational Amendments of 1972 and the Family Educational Rights and Privacy Act of 1974 are available in the principal's office in each school building upon request.*

### **Vision**

The Lee County School District works together to prepare all students for success in a global community.

### **Mission**

The Lee County School District provides a high quality education in a safe, healthy environment and develops life long learners who become productive members of society.

### **Values**

- We believe that all students can achieve a high level of success through quality instruction and student engagement.
- We believe in collective responsibility and individual accountability for common identified goals.
- We believe that students are at the heart of every decision made.
- We believe that integrity, openness, honesty, trust, and communication are cornerstones for a successful school district.
- We believe in always seeking better ways.

### **Elementary Curriculum Grades K-5**

The Mississippi Curriculum Frameworks and the Mississippi College and Career Readiness Standards (CCR) are utilized in all elementary grades as the instructional management plan. Individual teachers' lesson plans focus on this framework and standards and State mandated achievement test objectives. Various instructional strategies, including large and small group instruction, differentiated instruction, cooperative learning, hands-on-activities, and integration of subject areas within units, are used in classrooms to promote maximum student achievement.

Educational opportunities are also provided in the areas of computer technology, music, art, and physical education. Intellectually gifted is also offered to eligible students in grades 2-5. All elementary schools have school counselors, librarians, nurses, and other support personnel dedicated to helping all students have a successful educational experience.

### **Middle School Curriculum for Grades 6-8**

The Mississippi Curriculum Frameworks and the Mississippi College and Career Readiness Standards (CCR) are utilized in all middle school grades in Lee County Schools as the district's instructional management plans. Students in grade 6 are enrolled in language arts, mathematics, science, social studies, physical education and Contemporary Health. Other courses available to these students include band, choral music, gifted art, and talented and gifted. Students in grade 7 are enrolled in English/language arts, mathematics, science, social studies, physical education/athletics and Contemporary Health. Students in grade 8 are enrolled in English/language arts; math; science, social studies, Technology Foundations, physical education/athletics, and Contemporary Health. Electives for seventh and eighth grade students vary from school to school and are listed below. In grades 6, 7, and 8 academic intervention programs vary from school to school.

## ***Middle School Electives***

### **Band**

This course involves students in instrumental instruction, elementary theory—rhythm, harmony, and melody; and basic marching fundamentals. Students own their instruments and are given individual instruction on their instruments.

### **Choral Music**

This course introduces students to the basic music skills of notation, rhythm, melody, form, harmony, and history. A variety of compositions are sung with an emphasis on performance skills: expressiveness, intonation, part-singing, and tone quality.

### **Talented and Gifted**

This course is an academic enrichment program following a scope and sequence. Mini units in the core areas of science, math, language arts, and social studies are taught. Creative problem solving and computer skills are also developed. Students must be ruled eligible for this class.

### **Gifted Art**

This course is designed to expand the talents of gifted middle school students in activities that go beyond representational drawing. The purpose of the course is to offer students the opportunity to develop facility in rendering surface and texture and to use drawing skills for imaginative tasks. A studio-centered program will include outside assignments, a linkage to art history, group critiques, development of a portfolio, and participation in evaluations and exhibitions.

### **Learning Strategies**

This course is designed to improve the academic achievement of students. Skills in reading, listening, writing, math, and critical thinking are stressed. Mississippi Curriculum Test 2 (MCT2) data is used to schedule students in grades 6-8 into this course.

## **Curriculum for Grades 9-12**

Lee County School District is dedicated to providing students a well-rounded curriculum that strives to produce successful learning and supports personal, social, and emotional development. Students and parents have the responsibility of establishing goals and choosing courses carefully that will lead to the successful attainment of those goals. Planning is of the utmost importance in having an enjoyable school career that will lead to a broad base of knowledge and skills to be used for a lifetime. As students enter high school, they should begin to concentrate on college/career choices and preparation. Beginning in fall of 2012, entering 9<sup>th</sup> graders will have an Individual Career and Academic Plan (iCAP) designed to assist students in deciding a course of study. Please use this publication as a guide for a successful journey through school and as a planning guide, in conjunction with the iCAP, for the future. Each of the district's three high schools offers a variety of courses that allow students to prepare for whatever future they set for themselves. With the 4X4 block schedule, students have eight (8) periods during the school year in which to involve themselves in course work and laboratory experiences. The MS Curriculum Frameworks and the Mississippi College and Career Standards (CCR) are utilized in all Lee County high schools as the district's instructional management plan.

**School Year 2017-2018 Grades 9-12 Course Offerings Checklist**

**Note: A “√” indicates the course is offered at a school. (Some course offerings may vary from school to school.)**

<b>Course</b>	<b>Mooreville High</b>	<b>Saltillo High</b>	<b>Shannon High</b>
<b><i>ENGLISH</i></b>			
CCR English I	√	√	√
CCR English II	√	√	√
CCR English III	√	√	√
CCR English IV	√	√	√
Accelerated CCR English III	√	√	√
Accelerated CCR English IV	√	√	
Dual Credit English Composition I	√	√	√
Dual Credit English Composition II	√	√	√
Dual Credit Public Speaking		√	
AP Eng. Literature and Composition			√
World Literature			√
SREB Literacy Ready	√	√	√
Oral Communication	√	√	√
Technical and Workplace Writing		√	
<b><i>COMPENSATORY (Elective credit only)</i></b>			
Compensatory English I (must be taken in concert with CCR English I)	√	√	√
Compensatory English II (must be taken in concert with CCR English II)	√	√	√
ACT/SAT Prep I	√	√	√
Learning Strategies		√	

Course	Mooreville High	Saltillo High	Shannon High
<b><i>VISUAL AND PERFORMING ARTS</i></b>			
Band – Grades 9-12	√	√	√ (Marching, Concert, & Symphonic)
Ensemble – Choral	√	√	√
Music – Choral	√	√	√
Music – General	√	√	√
Performing Arts – Special Course (Performing Choir)		√	
Theatre I	√		
Visual Arts I	√	√	√
Visual Arts II	√		√
Gifted Visual Art		√	√
<b><i>MATHEMATICS</i></b>			
Foundations of Algebra	√	√	√
CCR Algebra I	√	√	√
CCR Geometry	√	√	√
CCR Algebra II	√	√	√
Calculus	√	√	√
AP Calculus AB		√	√
CCR Advanced Math Plus	√	√	√
SREB Math Ready	√	√	√
Dual Credit College Algebra	√	√	√
<b><i>COMPENSATORY (Elective credit only)</i></b>			
Compensatory Math I (must be taken in concert with CCR Alg. I)	√		
Compensatory Math II (must be taken in concert with CCR Geometry)	√		
<b><i>SCIENCE</i></b>			
Biology I	√	√	√

Course	Mooreville High	Saltillo High	Shannon High
<b>SCIENCE (Continued)</b>			
Biology II			√
AP Biology	√	√	
Biomedical Research			√
Botany	√		√
Chemistry	√	√	√
AP Chemistry		√	
Concepts of Agriscience		√	
Environmental Science		√	√
Human Anatomy and Physiology	√	√	√
Introduction to Biology	√	√	√
Physical Science	√	√	√
Physics	√	√	√
Physics – Advanced Placement		√	
Zoology	√	√	√
<b>SOCIAL STUDIES</b>			
History of the Ancient Middle East		√	
Mississippi Studies	√	√	√
Economics	√	√	√
Psychology	√	√	√
Sociology	√	√	√
U.S. Government	√	√	√
U.S. History from Post Recon. To Pres.	√	√	√
Introduction to World Geography	√	√	√
World History	√	√	√
DC Western Civ.	√		
DC Psychology	√	√	

<b>Course</b>	<b>Mooreville High</b>	<b>Saltillo High</b>	<b>Shannon High</b>
<b><i>FOREIGN LANGUAGE</i></b>			
Spanish I	√	√	√
Spanish II	√	√	√
*NOTE: All three high schools will offer Dual Credit College Spanish online only.			
<b><i>HEALTH &amp; PHYSICAL EDUCATION</i></b>			
Drug Education	√	√	
Contemporary Health	√	√	√
Physical Education (PE)	√	√	√
Safety Education	√		
<b><i>DRIVER'S EDUCATION</i></b>			
Driver's Education	√	√	√
<b><i>BUSINESS EDUCATION</i></b>			
Accounting Fundamentals	√	√	√
Technology Foundations	√	√	√
Personal Finance	√	√	√
Business Law	√	√	√
Graphic Design I	√		
Graphic Design II	√		
Introduction to Information Technology	√	√	
<b><i>CAREER and TECHNICAL EDUCATION</i></b>			
<b><i>AGRICULTURE</i></b>			
Agriculture and Natural Resources I & II	√		
AEST – Concepts of Agriscience		√	
AEST – Science of Agricultural Plants		√	
Science of Agricultural Animals		√	



Course	Mooreville High	Saltillo High	Shannon High
<b>COOPERATIVE EDUCATION AND MARKETING MANAGEMENT TECHNOLOGY</b>			
Career Pathway Experience I (CPE)	√	√	√
Exploring Computer Science (ECS)	√	√	√
<b>FAMILY CONSUMER SCIENCES</b>			
Child Development	√	√	√
Family Dynamics	√	√	√
Nutrition and Wellness	√	√	√
Personal Development			√
Resource Management	√	√	√
Contemporary Health (Family and Individual Health)	√	√	
<b>OKOLONA CAREER &amp; TECHNICAL CENTER</b>			
Construction I & II			√
Marketing I & II			√
Health Sciences I & II			√
Automotive Services I & II			√
Hotel, Restaurant, & Tourism Management I & II			√
Teacher Academy I & II			√

## Grades 9-12 Course Descriptions

### ENGLISH

#### CCR English I

<b>Grade: 9</b>	<b>Prerequisite: Promotion from 8<sup>th</sup> Grade</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

This course offers a focus of instruction and helps ensure that students gain adequate exposure to a range of texts and tasks in order to become college and career ready. Rigor is also infused through the requirement that students read increasingly complex texts through the grades. Students will engage in reading grade 9 appropriate literature and informational texts and in

narrative, argumentative, and informative/explanatory writing, along with research. Speaking and listening skills will be incorporated. Language skills, including conventions of standard English, and vocabulary acquisition and usage, will be emphasized throughout the course.

### CCR English II

<b>Grade: 10</b>	<b>Prerequisite: CCR English I</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

This course offers a focus of instruction and helps ensure that students gain adequate exposure to a range of texts and tasks in order to become college and career ready. Rigor is also infused through the requirement that students read increasingly complex texts through the grades. Students will engage in reading grade 10 appropriate literature and informational texts and in narrative, argumentative, and informative/explanatory writing, along with research. Speaking and listening skills will be incorporated. Language skills, including conventions of standard English, and vocabulary acquisition and usage, will be emphasized throughout the course.

**This course is a Mississippi Subject Area tested course.**

### CCR English III

<b>Grade: 11</b>	<b>Prerequisite: CCR English II</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

This course offers a focus of instruction and helps ensure that students gain adequate exposure to a range of texts and tasks in order to become college and career ready. Rigor is also infused through the requirement that students read increasingly complex texts through the grades. Students will engage in reading grade 11 appropriate literature and informational texts and in narrative, argumentative, and informative/explanatory writing, along with research. Speaking and listening skills will be incorporated. Language skills, including conventions of standard English, and vocabulary acquisition and usage, will be emphasized throughout the course.

### CCR English III Accelerated (ACC ENG III)

<b>Grade: 11</b>	<b>Prerequisite: CCR English II, Test Data, Instructor Recommendation</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

This course follows the curriculum for English III; however, more literature and informational text is studied in greater depth and more writing of greater complexity and sophistication is to be produced. Several research assignments refine student skills in the use of research as a learning tool. Students will research primary and secondary U.S. historical texts. Editing and revising of student writing is stressed. A study of American literature includes literary devices and techniques used by American writers. This course is designed for the college-bound student.

### CCR English IV

<b>Grade: 12</b>	<b>Prerequisite: CCR English III</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

This course offers a focus of instruction and helps ensure that students gain adequate exposure to a range of texts and tasks in order to become college and career ready. Rigor is also infused through the requirement that students read increasingly complex texts through the grades. Students will engage in reading grade 12 appropriate literature and informational texts and in narrative, argumentative, and informative/explanatory writing, along with research. Speaking

and listening skills will be incorporated. Language skills, including conventions of standard English, and vocabulary acquisition and usage, will be emphasized throughout the course.

**CCR English IV Accelerated (ACC ENG IV)**

<b>Grade: 12</b>	<b>Prerequisite: CCR English III, Test Data, Instructor Recommendation</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

This course follows the CCSS English IV curriculum framework but places greater emphasis on writing and the study of literature and informational text. Research skills are stressed along with literary analysis and critical thinking. This course is designed for the college-bound student.

**Advanced Placement English Literature and Composition (AP ENG)**

<b>Grade: 11 or 12</b>	<b>Prerequisite: CCR English III, Teacher Referral</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

AP English Literature and Composition is designed to engage students in the careful reading and critical analysis of imaginative literature. Intensive study of representative works from various genres and periods by recognized literary figures of merit will deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. Writing is an integral part of the AP English Literature and Composition course and assignments will focus on the critical analysis of literature. This course is designed for the college-bound student.

**Oral Communication**

<b>Grade: 9, 10, 11, 12</b>	<b>Prerequisite: None or CCR English I and CCR English II if used as a third- or fourth-year English credit</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

This course includes instruction in how to acquire, analyze, and evaluate information in order to make decisions and establish satisfying relationships. Skill or oral communication helps the student to think logically, clearly, and creatively. This course is designed to help students produce a factual, journalistically-sound piece of writing from interviews they conducted. Students should also be able to create at least one accompanying visual element (photo/video) and publish their work to the web. This course can count as elective credit in grades 9-12 or as an English credit if taken after English II. **The course may not, however, meet the 4-year college bound curriculum requirements.**

**SREB Literacy Ready Course**

<b>Grade: 12 (fourth-year course)</b>	<b>Prerequisite: CCR English II and third-year English credit</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

The SREB Readiness Course titled Literacy Ready is an innovative, dynamic course built to help students master the literacy skills needed for three core subject areas – English, social science and science. Content of the discipline is at the forefront of the curriculum; while the disciplinary literacy skills are emphasized through reading and writing assignments based on the content. Units are focused on how to read and interpret texts in the discipline on a college level. This course is designed to assist students who are preparing for postsecondary education. This course can count as an English credit needed for graduation if taken during the 4<sup>th</sup> year. **The course may not, however, meet the 4-year college bound curriculum requirements.**

### Technical and Workplace Writing

<b>Grade: 9, 10, 11, 12</b>	<b>Prerequisite: None or CCR English I and CCR English II if used as a third- or fourth-year English credit</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

This course focuses on the various kinds of written communication currently occurring in a variety of workplaces and careers. Students examine actual examples of written materials produced to communicate within the workplace as well as outside the workplace for customer and general public. Students will gain a sense of general principles of communication, learn how audience and purpose shape the form and content of the written piece, and discern how organization, wording, accuracy and specificity of details, typography, visuals, design, grammar, usage, and mechanics contribute to effective communication. Students will practice gathering information through research. This course is designed to help students produce a factual, journalistically-sound piece of writing from interviews they conducted. Students should also be able to create at least one accompanying visual element (photo/video) and publish their work to the web. This course can count as elective credit in grades 9-12 or as an English credit if taken after English II. **It may not, however, meet the 4-year college bound curriculum requirements.**

**\*Dual Credit English Composition I and II will also be offered on site. Prerequisites are CCR English I and English II. See the Guidance Counselor at the school for additional enrollment/ACT requirements.**

### COMPENSATORY

#### Compensatory English I (COMP ENG I)

<b>Grade: Must be taken in concert with CCR English I</b>	<b>Prerequisite: Must be taken in concert with CCR English I</b>
<b>Credit: 1 (Elective)</b>	<b>Semester: 1</b>

Students in English I in need of instructional support, intervention, or remediation may be enrolled in the Compensatory English I course under the following stipulations:

- The course must be taken in concert with CCR English I
- The course includes content supportive of the accompanying English I course
- The course may be taken as an elective, but will not satisfy the number of Carnegie units in English required for graduation.

#### Compensatory English II (COMP ENG II)

<b>Grade: Must be taken in concert with CCR English II</b>	<b>Prerequisite: CCR English I; must be taken in concert with CCR English II</b>
<b>Credit: 1 (Elective)</b>	<b>Term/Semester: 1</b>

Students in English II in need of instructional support, intervention, or remediation may be enrolled in the Compensatory English I course under the following stipulations:

- The course must be taken in concert with CCR English II
- The course includes content supportive of the accompanying English I course
- The course may be taken as an elective, but will not satisfy the number of Carnegie units in English required for graduation.

**ACT/SAT Prep I (ACT PREP)**

<b>Grade: 10, 11, 12</b>	<b>Prerequisite: None</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

This course is an elective course designed to prepare students for the ACT or SAT college entrance exams.

**Learning Strategies (LEARNING STRAT)**

<b>Grade: 9, 10, 11, 12</b>	<b>Prerequisite: None</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

This course is designed to assist students in developing more effective ways of acquiring, integrating, storing, and retrieving information. Students will become independent learners and will be able to transfer learning skills to other academic areas.

**VISUAL AND PERFORMING ARTS****Band**

<b>Grade: 9, 10, 11, 12</b>	<b>Prerequisite: None</b>
<b>Credit: ½, 1</b>	<b>Term/Semester: 1</b>

This course is comprised of a variety of music skills including instrumental instruction, marching fundamentals, and theory. Students participate in both marching and concert performances. Students own their instruments, and they are given individual lessons on their instruments. After-school practice is required.

**Choral Music (CHORUS)**

<b>Grade: 9, 10, 11, 12</b>	<b>Prerequisite: None</b>
<b>Credit: ½, 1</b>	<b>Term/Semester: 1</b>

This course is an introduction to the fundamentals of singing, sight-singing, and part-singing. In addition, proper posture-breathing and tone quality are introduced as well as intonation and rhythmic vitality. Through exposure to all types of music, students' musical knowledge should be broadened.

**Choral Ensemble**

<b>Grade: 9, 10, 11, 12</b>	<b>Prerequisite: Instructor Recommendation</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

This program of study is to be used in developing curriculum for use in a variety of choral performance courses. The focus of the course will guide the development of the specific curriculum based upon the competencies in this program of study. Teachers are encouraged to select and implement unit topics, repertoire, teaching strategies, performance practices, and assessments that will enable students to meet the competencies stated for each level.

**Performing Arts-Special Course (Performing Choir)**

<b>Grade: 9, 10, 11, 12</b>	<b>Prerequisite: Instructor Recommendation</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

This program of study is to be used in developing curriculum for use in a variety of choral performance courses. The focus of the course will guide the development of the specific curriculum based upon the competencies in this program of study. Teachers are encouraged to select and implement unit topics, repertoire, teaching strategies, performance practices, and assessments that will enable students to meet the competencies stated for each level.

### General Music

<b>Grade: 9, 10, 11, 12</b>	<b>Prerequisite: None</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

This course is an overview of the educational scope of a high school general music course. The contents extend beyond the “traditional” course of study to include an understanding of music within the realm of human condition in our global culture. The strands are historical development of music, music in American culture, music in a global culture, and the structure of music.

### Theater Arts I

<b>Grade: 9, 10, 11, 12</b>	<b>Prerequisite or Co-requisite: None (Oral Communication Optional)</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

In this course students will explore the relationships of theater history, structure, literature, acting, producing, and critiquing. They will discover that theater is an art form that enhances basic life skills through stimulation of creative thinking and problem solving.

### Visual Art I

<b>Grade: 9, 10, 11, 12</b>	<b>Prerequisite: None</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

This course will identify the elements and principles of design. Students will execute art works, using the elements and principles of design. These works will be done with a variety of media including pencil, pen and ink, pastels, tempera, and water color. Fiber arts, textile design, and printing will also be explored. The history of art will be emphasized as works are rendered.

### Visual Art II

<b>Grade: 10, 11, 12</b>	<b>Prerequisite: Visual Art I</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

This course will explore various techniques of artwork using the elements and principles of design. A more thorough study of the following areas will be pursued; these include print making, textile design, fiber arts, painting, calligraphy, sculpture, and drawing. The history of art will be emphasized as works are rendered.

### Gifted Visual Art

<b>Grade: 9, 10, 11, 12</b>	<b>Prerequisite: Ruling of artistically gifted in middle school or referral and audition</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

To enroll in this course students are referred by teachers based on submission of at least 3 original pieces of art completed by the student in the last year. Student work is screened using the Gifted Rating Scale (GRS - Artistic Talent) and the Scales for Identifying Gifted Students (SIGS - Creativity). After referral, selected students must audition for the program. Students are assigned projects to complete in the presence of three judges who review the student’s work and independently rate the artworks produced during the audition. Acceptance into the program is based on the judges’ ratings. In the course students will produce a portfolio in sections: quality, concentration, and breadth, using the Advanced Placement program guidelines. In addition, students will develop a drawing journal or sketchbook. Students will also be required to research topics and present them in various creative forms such as skits, video

(Gifted Visual Art, continued)

productions, booklets, or papers. \*Students who were enrolled in Gifted Art in middle school are automatically eligible for high school gifted art classes.

## **MATHEMATICS**

### **Foundations of Algebra**

<b>Grade: 9</b>	<b>Prerequisite: Teacher Referral</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

This course will be offered only to 9<sup>th</sup> grade students. This course is intended to provide a basis for curriculum development for students in need of substantial support prior to taking Algebra I. The content of the course focuses on equations, inequalities, functions, polynomials, geometry, and statistics as well as the standards of mathematical practice. The standards for this course were developed based on core content that should have been mastered by the end of grade 8, key concepts needed for Algebra I, and critical topics that will be introduced in Algebra I. Students who have already successfully completed Algebra I may not take this course.

### **CCR Algebra I**

<b>Grade: 9-10</b>	<b>Prerequisite: CCR Grade 8 Math</b>
<b>Credit: 1</b>	<b>Semester: 1 or Year Long</b>

The fundamental purpose of this course 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 been generally offered. Instruction will focus on five critical areas: 1) analyze and explain the process of solving equations and inequalities; 2) learn function notation and develop the concepts of domain and range; 3) use regression techniques; 4) create quadratic and exponential expressions; and 5) select from among these functions to model phenomena.

**This course is a Mississippi Subject Area tested course.**

### **CCR Geometry**

<b>Grade: 9, 10, 11, 12</b>	<b>Prerequisite: CCR Algebra I or CCR Compacted Math Grade 8 (With Algebra I)</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

The fundamental purpose of this course 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. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience math as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. The six critical areas of this course include: 1) building thorough understanding of translations, reflections, and rotations; 2) developing the understanding of similarity and several theorems; 3) extension of formulas for two dimensional and three dimensional objects; 4) extension of 8<sup>th</sup> grade geometric concepts of lines; 5) prove basic theorems about circles; and 6) work with experimental and theoretical probability.

### CCR Algebra II

<b>Grade: 10, 11, 12</b>	<b>Prerequisite: CCR Algebra I or CCR Compacted Math Grade 8 (With Algebra I) and CCR Geometry</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

Students build on their work with linear quadratic and exponential functions, to extend their repertoire of functions to include polynomial, rational, and radical functions. They work closely with expressions that define the functions, and continue to expand 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 Practices Standards apply throughout this course and, together with the content standards, prescribe that students experience math as a coherent, useful, and logical subject.

#### **(CCR Algebra II, continued)**

The four critical areas of this course include: 1) working extensively with polynomial operation; 2) building connections between geometry and trigonometric ratios; 3) understanding of a variety of function families; and 4) explore statistical data.

### CCR Algebra III

<b>Grade: 11-12</b>	<b>Prerequisite: CCR Algebra II</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

This course includes content standards from the *2007 Mississippi Curriculum Frameworks Revised* Pre-Calculus course and the College and Career Readiness Standards for Mathematics, and covers those skills and objectives necessary for success in courses higher than CCR Algebra II. Topics of study include sequences and series, functions, and higher order polynomials. Technology is to be used to enhance presentation and understanding of concepts. Students should be given opportunities to collaborate as they solve routine and non-routine problems. This course is higher than CCR Algebra II.

### Calculus

<b>Grade: 11, 12</b>	<b>Prerequisite: Advanced Alg. and Trig.; or CCR Algebra III; or CCR Advanced Math Plus</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

This course includes content standards from the *2007 Mississippi Curriculum Frameworks Revised*. This course focuses on the mathematics of change. The major focus is on differential and integral calculus. The use of graphing calculators and other technologies are major components of the course. Students should work together collaboratively and cooperatively as they solve routine and non-routine problems.

### AP Calculus (AP CAL)

<b>Grade: 11, 12</b>	<b>Prerequisite: Pre-Calculus or Advanced Algebra and Trigonometry; or CCR Algebra III or CCR Advanced Math Plus</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

AP Calculus is designed to foster student's understanding of the concepts of calculus and providing experience with its methods and applications. The course emphasizes a multirepresentational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally.



### CCR Advanced Math Plus

<b>Grade: 11, 12 (4<sup>th</sup> year math course)</b>	<b>Prerequisite: CCR Geometry, CCR Alg. II</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

This course specifies the mathematics that students should study in order to be college and career ready. The Advanced Mathematics Plus course includes additional mathematics from the College and Career Readiness Standards for Mathematics indicated by a (+). These “plus standards” will help students in advanced courses such as calculus. The Standards of Mathematical Practices should be addressed throughout the course. This course is recommended for students who plan to take Calculus in high school.

### SREB Math Ready

<b>Grade: 11, 12 (4<sup>th</sup> year math course)</b>	<b>Prerequisite: CCR Alg. I or CCR Compacted Math Grade 8 (With Algebra I) &amp; CCR Geometry</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

The Southern Region Education Board (SREB) Math Ready Course is designed to assist students who are in need of a fourth year mathematical preparatory course prior to entering college. This course is designed to target college-ready skills gaps and assist in preparing students for postsecondary-level mathematics. The course focuses on the key readiness standards for the Mississippi College and Career Readiness 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 consists of seven mandatory units while addressing content standards taught throughout high school, including content from Algebra I, Geometry, and Algebra II that are essential for college and careers. This course will count as one of the 4 required math credits for graduation. The course may not meet the 4-year college bound curriculum requirements, however.

**\*Dual Credit College Algebra will also be offered on site. Prerequisites are Algebra II and/or a 3<sup>rd</sup> advanced math course. See the Guidance Counselor at the school for additional enrollment/ACT requirements.**

### COMPENSATORY

#### Compensatory Mathematics I

<b>Grade: Must be taken in concert with CCR Algebra I</b>	<b>Prerequisite: Must be taken in concert with CCR Algebra I</b>
<b>Credit: 1 (Elective)</b>	<b>Semester: 1</b>

Students in need of instructional support, intervention or remediation may be enrolled in a Compensatory Mathematics course under the following stipulations:

The Compensatory Mathematics course:

- must be taken in concert with a credit-bearing course at the same grade level
- includes content supportive of the accompanying credit-bearing course
- should make every attempt to incorporate the Standards for Mathematical Practice
- may be taken as an elective, but will not satisfy the number of mathematics Carnegie units required for graduation.

### Compensatory Mathematics II

<b>Grade: Must be taken in concert with CCR Geometry</b>	<b>Prerequisite: Must be taken in concert with CCR Geometry</b>
<b>Credit: 1 (Elective)</b>	<b>Semester: 1</b>

Students in need of instructional support, intervention or remediation may be enrolled in a Compensatory Mathematics course under the following stipulations:

The Compensatory Mathematics course:

- must be taken in concert with a credit-bearing course at the same grade level
- includes content supportive of the accompanying credit-bearing course
- should make every attempt to incorporate the Standards for Mathematical Practice
- may be taken as an elective, but will not satisfy the number of mathematics Carnegie units required for graduation.

### SCIENCE

#### Introduction to Biology (INTO to BIO)

<b>Grade: 9, 10</b>	<b>Prerequisite: None</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

This course is an overview of basic Biology with an emphasis on organizational skills, critical thinking, reasoning skills, and methods of science. Students will be introduced to the laboratory and scientific literature as investigative tools of science with an emphasis on critical analysis and concept comprehension. Students will learn to interpret and communicate effectively results of experiments and research in a variety of formats including written and oral presentation, graphs, charts, diagrams, and multimedia presentations.

#### Biology I

<b>Grade: 9, 10, 11, 12</b>	<b>Prerequisite: None</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

This lab-based course is designed to relate basic information of living organisms and their chemical energy requirements with their physical environment. The structure and function of cells, cell organization and reproduction, genetics, and living organisms' role in the environment is the focus of content. Students should be encouraged to relate modern biological techniques to real life situations and career opportunities.

**Biology I is a Mississippi Subject Area Tested course.**

#### Biology II

<b>Grade: 10, 11, 12</b>	<b>Prerequisite: Biology I</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

This is a lab-based course that continues the study of life. The units studied include biochemical life processes, molecular basis of hereditary, natural selection, behavior patterns, and advanced classification and organism studies.

#### AP Biology (AP BIO)

<b>Grade: 11, 12</b>	<b>Prerequisite: Biology and Chemistry</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

AP Biology is designed to help students develop a conceptual framework for modern biology and an appreciation of science as a process. Through a wide range and depth of topics covered and extensive laboratory work, students will develop analytical skills necessary to deal critically with the rapidly changing science of biology.

### Physical Science (PHY SCI)

<b>Grade: 9, 10, 11, 12</b>	<b>Prerequisite or Co-requisite: Algebra I</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

This course is an introductory, lab-based course that investigates matter and energy; basic chemistry; forces and motion; sound and light; and electromagnetism. It may be considered a stepping stone to Biology, Chemistry, and Physics.

### Chemistry

<b>Grade: 10, 11, 12</b>	<b>Prerequisite or Co-requisite: Algebra II</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

This course is a lab-based course that investigates the properties and reactions of matter. Major areas of study include the metric system and scientific notations; symbols, formula, and nomenclature; chemical equation, stoichiometry; gas laws, kinetic molecular theory; chemical bonding; acid-base chemistry; chemistry equilibrium; and oxidation-reduction reactions. Lab work should allow students to observe directly chemical reactions and behavior of matter. Inductive and deductive thinking skills will be emphasized.

### AP Chemistry (AP CHEM)

<b>Grade: 11, 12</b>	<b>Prerequisite: Chemistry and Algebra II</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

AP Chemistry is designed to allow students to attain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. Emphasis on chemical calculations, mathematical formulation of principles, and laboratory work will provide a quantitative different experience above and beyond regular high school chemistry.

### Physics

<b>Grade: 11, 12</b>	<b>Prerequisite or Co-requisite: Trigonometry; or CCR Advanced Math Plus</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

This course is a lab-based course that will investigate matter and energy. Topics emphasized in this class will include Newtonian mechanics; waves, electricity and magnetism; and nuclear physics. Lab work will allow students to observe physical situations as they relate to physical law and concepts.

### AP Physics

<b>Grade: 11, 12</b>	<b>Prerequisite or Co-requisite: Calculus (Strongly recommended as a second-year physics course)</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

AP Physics C is designed to provide students with basic knowledge of the discipline of physics, including phenomenology, theories and techniques, concepts, and general principles. Through the use of qualitative and quantitative reasoning and by experimental investigation students will

gain the ability to ask and obtain solutions to physical questions. Introductory differential and integral calculus is used throughout the course. AP Physics fosters an appreciation of the physical work and the discipline of physics, curiosity, creativity, and reasoned skepticism. Students should obtain an understanding of the connection of physics to other disciplines and to societal issues.

#### **Human Anatomy and Physiology (ANT/PHYS)**

<b>Grade: 9, 10, 11, 12</b>	<b>Prerequisite: None</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

This course is a lab-based course that investigates the structure and function of the human body. Topics covered will include the role of tissues in the body; homeostatic mechanisms, and introductory embryology. Relationships between major body systems will be emphasized along with effects of drugs, nutrition, disease and biotechnological advances of certain systems.

#### **Botany**

<b>Grade: 9, 10, 11, 12</b>	<b>Prerequisite: None</b>
<b>Credit: ½</b>	<b>Semester: 1</b>

This course is a lab-based science applying basic biological principles to the study of plants. Topics studied will include morphological characteristics of each division and variation in their reproduction, taxonomy, and physiology. Emphasis is on developing the ability to ask questions, to observe, to experiment, to measure, to use computers and calculators, to problem solve/reason, to use tools of science, to gather data, and to communicate findings.

#### **Zoology**

<b>Grade: 9, 10, 11, 12</b>	<b>Prerequisite: None</b>
<b>Credit: ½</b>	<b>Semester: 1</b>

This course is lab-based and will survey the nine major phyla of the Kingdom Animalia. Morphology, taxonomy, and physiology will be investigated. Comparative studies may be addressed during laboratory observations and dissections.

#### **Environmental Science (ENV SCI)**

<b>Grade: 10, 11, 12</b>	<b>Prerequisite: None</b>
<b>Credit: ½</b>	<b>Semester: 1</b>

This course is a lab-based science course that will explore ways in which the environment shapes living communities. Interactions of organisms with their environment will be emphasized along with the impact of human activities on the physical and biological systems of the earth. Student will participate in various studies that originate within their own communities or state and in some way impact our environment.

#### **Biomedical Research**

<b>Grade: 11, 12</b>	<b>Prerequisite: Biology I</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

This course is an inquiry-based, technology-oriented, and laboratory-intensive elective course that prepares students to participate in professional biomedical research activities at the university level.

#### ***SOCIAL STUDIES***

### **Geography**

<b>Grade: 8, 9, 10, 11, 12</b>	<b>Prerequisite: None</b>
<b>Credit: ½</b>	<b>Term: 1</b>

This course is a comprehensive study of geography and the major cultural regions of the world. Global physical features, climates, ecosystems, and geographic symbols are taught. The development of cultures, their impact, and their relationships to each other are studied. Map skills are an important part of this course, including an awareness of such technologies as GIS, GPS, remote sensing, and digital maps.

### **Mississippi Studies (MS STUDIES)**

<b>Grade: 8, 9, 10, 11, 12</b>	<b>Prerequisite: None</b>
<b>Credit: ½</b>	<b>Term: 1</b>

This course will be an in depth study of the State of Mississippi. The course and content includes geographic, historic, economic, political, and social events, tracing Mississippi's move from agriculture to industry. The five content strands are Domestic Affairs, Global Affairs, Civil Rights/Human Rights, Economic, and Culture.

### **World History From Age of Enlightenment to the Present (World HIST)**

<b>Grade: 9, 10, 11, 12</b>	<b>Prerequisite: None</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

This course covers the time period from the Age of Enlightenment to the Present and is a concluding year-long study in the sequence of world history for students. Instruction builds on the knowledge and skills that students have acquired in their previous studies in history and geography. The course focuses on the development, connections, and global influences of the western world. Students study and analyze global issues regarding economics, society, and the environment.

### **United States History From Post-Reconstruction to the Present (US HIST)**

<b>Grade: 11, 12</b>	<b>Prerequisite: None</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

This survey course concentrates on major events and individuals and impact both of these have had on the political, social and economic development of the United States within its borders and as it relates to the rest of the world. Students will examine American culture, including religion, literature, art, drama, and the mass media. The five content strands are Domestic Affairs, Global Affairs, Civil Rights/Human Rights, Economics, and Culture. Experiences to gain an appreciation for our American heritage and to promote patriotism are provided as well as interest in current affairs and the promotion of international understanding.

**U.S. History is a Mississippi Subject Area tested course.**

### **United States Government (US GOVT)**

<b>Grade: 11, 12</b>	<b>Prerequisite: None</b>
<b>Credit: ½</b>	<b>Term: 1</b>

This course is designed to promote understanding of the civic life, politics, and the constitutional process. The organization, philosophy, operation, and function of the political, social, and judicial institutions of American society are described.

### **Economics**

<b>Grade: 11, 12</b>	<b>Prerequisite: None</b>
<b>Credit: ½</b>	<b>Term: 1</b>

This course will enable students to gain a general understanding of the factors concerning national and international economic activity. Students will also gain an understanding of microeconomics and macroeconomics from individual finances to world economics organizations.

### **Sociology**

<b>Grade: 9, 10, 11, 12</b>	<b>Prerequisite: None</b>
<b>Credit: ½</b>	<b>Term: 1</b>

This course examines the ways that people interact with one another. The organization of societies, vital issues, social problems and relationships within groups are involved in helping man to understand himself better and to improve his relationship to others.

### **Psychology**

<b>Grade: 9, 10, 11, 12</b>	<b>Prerequisite: None</b>
<b>Credit: ½</b>	<b>Term: 1</b>

This course focuses on the history, advances in technology, and both internal and external influences that affect human mental development. The student will learn the various elements of human behavioral development that emphasize concepts such as “self esteem” and “self responsibility.” The course format is presented in thematic units, using various learning experiences as group interaction and community service.

### **Ancient History of the Middle East (ANC HIST)**

<b>Grade: 9, 10, 11, 12</b>	<b>Prerequisite: None</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

This is an elective course. Students will participate in oral presentations, cooperative learning activities, and research projects. Reading, writing, analyzing, and evaluating skills as well as various social studies tools will be required.

**\*Dual Credit Western Civilization and Dual Credit Psychology will also be offered on site at some schools. See the Guidance Counselor at the school for additional enrollment/ACT requirements.**

### **MODERN FOREIGN LANGUAGES**

#### **Spanish I (SPAN I)**

<b>Grade: 9, 10, 11, 12</b>	<b>Prerequisite: None</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

This course is designed to teach the student basic concepts of Spanish grammar. Students will learn vocabulary, verb conjugations, certain idiomatic expressions, and sentence structure. Students will also learn to converse using simple dialogues and to translate simple passages.

#### **Spanish II (SPAN II)**

<b>Grade: 9, 10, 11, 12</b>	<b>Prerequisite: Spanish I</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

This course is designed to improve language skills in conversation and composition. Students will study all verb tense conjugations, and they will also be introduced to subjunctive and imperative moods of verbs. Emphasis is placed on translation skills, conversational skills, and composition skills. Students will write paragraphs, translate stories, and converse in Spanish in addition to continuing their study of Spanish grammar and culture.

**\*Dual Credit College Spanish will also be offered on site. See the Guidance Counselor at the school for additional enrollment requirements.**

## **HEALTH, PHYSICAL EDUCATION, AND DRIVER EDUCATION**

### **Contemporary Health (HEALTH)**

<b>Grade: 9, 10, 11, 12</b>	<b>Prerequisite: None</b>
<b>Credit: ½</b>	<b>Term: 1</b>

This course is a one-semester high school course (or 9 weeks on the block). The course 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 the health of others. In this course of study, emphasis is placed on personal, social, and mental health in today's society.

### **Drug Education (DRUG ED)**

<b>Grade: 9, 10, 11, 12</b>	<b>Prerequisite: None</b>
<b>Credit: ½</b>	<b>Term: 1</b>

This elective course is designed to give students factual information about the harmful effects of substance abuse both physically and socially. Students learn not only the dangers of alcohol and tobacco use but also the damage that such drugs as cocaine and marijuana can cause. They are given opportunities to role play and work in cooperative learning groups to learn coping skills for peer pressure and other situations. Students do research activities, oral presentations, and a variety of assignments that explain a clear message of non-use of alcohol, drugs, and tobacco.

### **Physical Education (PE)**

<b>Grade: 9, 10, 11, 12</b>	<b>Prerequisite: None</b>
<b>Credit: ½, 1</b>	<b>Term/Semester: 1</b>

This course emphasizes activities in which students can participate throughout life. Physical fitness and emergency first aid procedures are included. Three phases of lifetime activities are taught; these are (1) history, (2) fundamentals, and (3) actual playing of games.

### **Driver Education (DRIVER ED)**

<b>Grade: 9, 10</b>	<b>Prerequisite: None</b>
<b>Credit: ½</b>	<b>Term: 1</b>

This course is designed to teach students the goals of the highway system. The contents of the course are thirty (30) hours of classroom instruction on the rules of safe driving, twelve (12) hours of instruction in a state approved simulator, and three (3) hours of behind-the-wheel-training.

## **BUSINESS EDUCATION**

### **Technology Foundations**

<b>Grade: 8, 9, 10, 11, 12</b>	<b>Prerequisite: None</b>
<b>Credit: 1</b>	<b>Semester: 1 Grade 9; Year long: Grade 8</b>

This course is offered as a Technology credit in grade 8 or 9. Students will engage in the following units of study: 1) Orientation and Ethics; 2) Internet Tools in the Classroom; 3) Computing Fundamentals; 4) Windows and Operating Systems; 5) Keyboarding; 6) Word Processing/Desktop Publishing; 7) Multimedia Presentations; 8) Spreadsheet Applications; 9) Social Media; and 10) Career Exploration. Instruction will focus on enduring understandings and content specific vocabulary. Students will complete assigned performance tasks with some units.

#### **Accounting Fundamentals (ACCT FUN)**

<b>Grade: 9, 10, 11, 12</b>	<b>Prerequisite: None</b>
<b>Credit: 1</b>	<b>Semester: 1</b>

This course introduces students to the accounting profession and to the principles associated with the accounting profession. In the course of study, the students should understand that business activities can have an impact on society. They should also understand the importance of seeking opportunities to develop skills and expertise in the accounting profession. Students will engage in the following units of study: 1) The Accounting Profession; and 2) Accounting Principles. Students will also complete assigned performance tasks.

#### **Personal Finance (PERS FIN)**

<b>Grade: 9, 10, 11, 12</b>	<b>Prerequisite: None</b>
<b>Credit: ½</b>	<b>Term: 1</b>

This course allows the student 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 economics, insurance, credit, and other related topics. Activities will include preparation of budgets, comparison shopping, advertising research, standard of living analysis, and comparison of housing options. In addition, students will be able to explain the fundamental principles of financial exchange, manage personal finances to achieve goals, recognize the role of financial service providers in achieving financial goals, apply investment strategies to ensure financial well-being, and apply payroll concepts.

#### **Business Law (BUS LAW)**

<b>Grade: 9, 10 11, 12</b>	<b>Prerequisite: None</b>
<b>Credit: ½</b>	<b>Term: 1</b>

This course provides the students with the basic foundations of law as it relates to business. The origin of the law, ethics, and the structure of the court systems are studied. Criminal and civil procedures, including minor and family laws, are also taught in this course. Legislation that applies to employment, real and personal property, and procedural law are also covered. Students will be equipped with a workable knowledge of the law as it applies to various legal situations that are encountered in personal and business situations. Students will engage in a variety of activities and research.

#### **Information Technology**

<b>Grade: 9, 10, 11, 12</b>	<b>Prerequisite: None</b>
<b>Credit: 1</b>	<b>Semester: 1</b>



This course introduces students to Information Technology, including computer hardware and operating systems. In this course of study, students will evaluate and resolve computer hardware and software issues; install, configure, and troubleshoot an operating system; research educational, occupational, and leadership opportunities in Information Technology; apply safety procedures in the computer classroom and lab; publish and communicate with peers, experts, and other audiences using technology; and investigate operating systems, programming language, and application software.

**Graphic Design I**

<b>Grade: 9, 10, 11, 12</b>	<b>Prerequisite: None</b>
<b>Credit: ½</b>	<b>Term: 1</b>

This course is a hands-on introduction to graphic design and a prerequisite to Graphic Design II. The course involves teamwork and research. Students will understand the issues related to journalism ethics, copyright guidelines and violations involving graphic design. Students should be able to demonstrate proficiency in the setup, operation, and troubleshooting of a graphic design computer; explain photography and graphic elements; complete a photography project that meets the needs of an audience; and use photo editing software to create and edit a product for a computer.

**Graphic Design II**

<b>Grade: 9, 10, 11, 12</b>	<b>Prerequisite: Graphic Design I</b>
<b>Credit: ½</b>	<b>Term: 1</b>

This course is offered after students have successfully completed Graphic Design I. In this course, students will apply color theory and design principles; and understand typography and layout design. They will apply design principles and techniques in the creation of an advertisement; utilize advanced image manipulation and page layout to create a brochure; and create a newsletter layout with advanced editing. In addition, students will research careers, and develop a professional portfolio.

***\*Individual schools may add other courses to the programs of study if the courses are listed in the Approved Courses for the Secondary Schools 2017-2018 approved by the Mississippi Department of Education. Dual Enrollment/Credit courses will also be offered.***