

OAK GROVE HIGH SCHOOL 2010-2011
COURSE DESCRIPTIONS
9th GRADE

English:

*Compensatory Writing I – Reviews reading, writing, and listening skills. Placement is based on test results. (1 credit)

*English I Standard – Concentrates on developing the writing process, grammar, appreciating, and interpreting literature. (1 credit)

*English I Honors – Concentrates on developing the writing process, grammar, appreciating and interpreting literature, requires more in depth reading and critical analysis, and outside reading. Prerequisites: Teacher recommendation and standardized test scores. (Honors Weight with grade of 84 or better.) (1 credit)

*English I Accelerated – Expands the power and flexibility of student use of the language art skills. Prerequisites: Teacher recommendation and standardized test scores. (Honors Weight with grade of 84 or better.) (1 credit)

*Public Speaking – A general overview of all aspects of speech preparation and delivery. *Must be taken by or before end of junior year in preparation for Sr. Project presentation.* (1/2 credit)

*Oral Communications I or II – Develops student awareness as a communicator with emphasis on all aspects of public address, including preparation, presentation and analysis of speech. (1 credit)

Mathematics:

*Compensatory Math I/II – Initially this class will serve as a review of basic math skills and then gradually lead into Transition to Algebra. It bridges the gap between Pre-Algebra and Transition to Algebra. This course will explore algebraic concepts in an informal way to build a foundation for the subsequent formal study of Algebra. Problem solving, reasoning, communication and building connections among mathematics topics will be taught. These two classes must be taken consecutively in the fall and spring terms. (2 credits)

*Transition to Algebra/Algebra I – This class is intended to be a bridge between the concrete concepts of Pre-Algebra and the abstract concepts of Algebra I and Geometry. Students will explore and investigate algebraic and geometric concepts to build a stronger foundation of basic skills. Students will also begin building basic algebraic concepts for a foundation in Algebra II and Geometry utilizing real-world applications. These two classes must be taken consecutively in the fall and spring terms. Prerequisite: Pre-Algebra (2 credits)

ALGEBRA I IS AN STATE TESTED SUBJECT

*Geometry – Designed to promote critical thinking skills, problem solving, reading comprehension and an appreciation for the usefulness of mathematics in today's technology-oriented society. Prerequisite: Algebra I (1 credit)

Science:

*Science Skills and Reasoning – This course will provide students with 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 effectively interpret and communicate results of experiments and research. 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. This is not a required prerequisite for Biology I, but may be recommended based on achievement test scores. (1 credit)

*Biology I – This is an introductory, laboratory-based course designed to study living organisms and their physical environment. Students should apply scientific methods of inquiry and research in examination of the following topics: chemical basis of life; cell structure, function, and reproduction; energy; molecular basis of genetics; natural selection and diversity; and ecology. **BIOLOGY IS AN SATP TESTED SUBJECT** (1 credit)

Social Studies:

*Mississippi Studies – This course is designed to foster appreciation for the state and its culture. The content will include the geographic, historic, economic, political, and social events that have contributed to the state's development. (1/2 credit)

*World Geography – This class is designed to provide students with the skills to ask geographical questions, acquire geographical information, arrange geographical information, analyze geographical information, and answer geographical questions. Students will master these skills by studying the six (6) essential elements of geographical content: (1) the world in spatial terms, (2) places and regions, (3) physical systems, (4) human systems, (5) environment and society, and (6) the uses of geography. The course of study will address the skills and elements by examining Africa, Antarctica, Asia, Australia and Oceania, Europe, Middle America, North America, and South America. (1/2 credit)

Health:

*Family & Individual Health or Comprehensive Health – Provides a study of information on development of health habits and attitudes that are life-long. 9th – 12th (1/2 credit each)

Technical:

*STEM (Science, Technology, Engineering, & Mathematics) – This is a required course for 9th grade students. It explores technology resources, processes, and systems. It also utilizes research, visualization, modeling, design, simulation, prototyping, journalizing, presentations, demonstrations, problem-solving techniques, role-playing, and testing. (1 credit)

Physical Education (1 credit each):

*PE/Football – Prepares students for participation in football. Taken with PE. Requires a tryout and coach's recommendation. Student must participate in summer practices.

*PE/Boy's Basketball – Prepares students for participation in boy's basketball. Taken with PE. Requires a tryout and coach's recommendation. Student must participate in summer practices.

*PE/Girl's Basketball – Prepares students for participation in girl's basketball. Taken with PE. Requires a tryout and coach's recommendation. Student must participate in summer practices.

*PE/Baseball – Prepares students for participation in baseball. Taken with PE. Requires a tryout and coach's recommendation. Student must participate in summer practices.

*PE/ Boy's Soccer – Prepares students for participation in boy's soccer. Taken with PE. Requires a tryout and coach's recommendation. Student must participate in summer practices.

*PE/Girl's Soccer – Prepares students for participation in girl's soccer. Taken with PE. Requires a tryout and coach's recommendation. Student must participate in summer practices.

*PE/Cheerleading – Prepares students for participation in cheerleading. Taken with PE. Requires a tryout and coach's recommendation. Student must participate in summer practices.

*PE/Dance – Prepares students for participation in dance. Taken with PE. Requires a tryout and coach's recommendation. Student must participate in summer practices.

*PE/Tennis – Prepares students for participation in tennis. Taken with PE. Requires a tryout and coach's recommendation. Student must participate in summer practices.

*PE/Weightlifting for Football Players

*PE/Weightlifting for Boys

*PE/Weightlifting for Girls

*PE/Fitness for Girls

Fine Arts:

*Band/Instrumental Music – Affords students the opportunity to study a musical instrument and be a member of a performing organization. Beginning band experience required. Required participation during spring and fall semesters for marching & concert band. (2 credits)

*9th Grade Choir (Choral Ensemble) – This choir is for any upcoming 9th grade male or female. This group performs throughout the year (Fall Concert, Christmas Concert, and Spring Concert). They also perform at various choral festivals to receive ratings from judges. There is a \$20.00 choral fee for each participant. Each participant will also be responsible for purchasing his/her uniform or concert attire. The following costs are approximate: Males - \$160.00 tux package with choral fee. Females – \$110.00 dress with choral fee. Audition in required. (1 credit)

*Concert Choir – This choir is open mainly to students in grades 10-12, but 9th graders may audition for this group. This group performs throughout the year for concerts at various choral festivals and competitions. There is a \$20.00 choral fee for each participant. Each participant will also be responsible for purchasing his/her uniform or concert attire. The following costs are approximate: Males - \$160.00 tux package with choral fee. Females – \$110.00 dress with choral fee. Audition in required. (1 credit)

*Show Choir – This choir is open to males and females in grades 9-12. This is a song and dance group that performs at concerts and competitions throughout the year. They practice after school on Tuesday and Thursday until 5:00. When they are preparing for a competition, practice is sometimes longer. There is a \$20.00 choral fee for each participant. Each participant will also be responsible for purchasing his/her uniform or concert attire. The following costs are approximate: Males - \$220.00 tux package with choral fee. Females – \$245.00 dress with choral fee. Audition in required. (1 credit)

*Theatre III – Introduces students to general knowledge, history of drama, techniques of acting, play and production and appreciation of theatrical arts. 9th – 12th (1 credit)

*Visual Art I – This is an introductory course designed to teach a novice how to draw from photographs, linear perspective, and observation. It involves a broad range of media, techniques, and processes. 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 elementary and middle level courses. Work will encompass both two and three-dimensional art forms. This class is open to all students interested in art. \$50.00 Art fee is required. 9th – 12th (1 credit)

*General Music – Students enrolled in this course may pursue music learning through a variety of means. This course includes lecture, choral and/or instrumental performance, cooperative learning group activities, interdisciplinary or thematic studies, and use of technology applications to create, perform, or research music as an art form. This class will introduce students to music appreciation, music literature, and music in relation to other arts disciplines. Grades 9th-12th (1 credit)

OAK GROVE HIGH SCHOOL 2010-2011
COURSE DESCRIPTIONS
10th – 12th GRADE

English:

English classes are sequential and may not be taken simultaneously.

*Compensatory Writing II – Reviews reading, writing, and listening skills. Placement is based on test results. (1 credit)

*English II, III, & IV (includes Sr. Project) Standard – Concentrates on developing the writing process, grammar usage through writing, appreciating and interpreting literature. All require outside reading and III & IV require a research paper. (1 credit each) **ENGLISH II IS A STATE TESTED SUBJECT**

*English II, III, & IV (includes Sr. Project) Honors – Involves more in depth reading and critical analysis. Outside reading required in all and research paper is required in III & IV. Must have a B average in English and a teacher recommendation. (1 credit each) **ENGLISH II IS A STATE TESTED SUBJECT**

*English II Accelerated – Sophomore level of AP English sequence. Special emphasis on language art skills as a response to literature. Prerequisites: Teacher recommendation and standardized test scores. (Honors Weight with grade of 84 or better.) **ENGLISH II IS A STATE TESTED SUBJECT**

*English III AP – (English Language and Composition) – Junior level of AP Sequence: Language, Composition, and American Literature. Expands the power and flexibility with which students use language art skills; with strong emphasis on composition and limited emphasis on these skills as a response to literature. (1 credit AP weight with exam or 1 credit Honors weight without exam).

*English IV AP (includes Sr. Project) – (World Literature and Composition) – Senior level of AP Sequence: World Literature. Expands the power and flexibility with which students use language art skills; special emphasis is placed on using these skills as a response to literature. Students are required to take the AP exam their senior year. (1 credit AP weight with exam or 1 credit Honors weight without exam).

*Public Speaking – A general overview of all aspects of speech preparation and delivery. Must be taken by or before the end of junior year in preparation for Sr. Project presentation. 9th – 12th (1/2 credit)

*Oral Communications I – Develops student awareness as a communicator with emphasis on all aspects of public address, including preparation, presentation and analysis of speech. 9th – 12th (1 credit)

*Oral Communications II – An extended study of speech an interpretation. Students will learn elements of drama and interpretation used in competitive speech. 10th – 12th (1 credit)

*Debate I – Examines the structure of debate through logic, critical thinking, development of briefs, interpreting resolutions, constructing cases, presenting and evaluating a debate. Must attend competition twice during each nine weeks, on weekends, and out of town. Prerequisite: Oral Communications I or Public Speaking. (1 credit)

*Debate II/III – A continuation of the skills learned in Debate I by participation in competition. Prerequisite: Debate I (1 credit)

*Introduction to Journalism – Students become actively involved in all aspects of journalism and newspaper production, including photography, advertising, news and feature writing, layout and sales. Students contribute articles to three local newspapers and work with USM newspaper production. 10th – 12th (1 credit)

*Journalism Lab I, II, III (Newspaper/Annual Staff) – Students practice journalism skills through school newspaper production. (1/2 credit) Prerequisite: Introduction to Journalism (Jr.'s & Sr.'s only on newspaper/annual staff).

*Humanities I – Designed for students in the spring semester of their 10th grade year, who score in the 95th to 99th percentile on standardized tests, for the verbal and mathematics portion of the PSAT (Preliminary Scholastic Aptitude Test). The PSAT is taken in October of the 11th grade year. The skills emphasized are critical thinking, analytical thinking, test-taking, and decoding words using the meanings of roots and prefixes. The course is also used to prepare students for logical analytical approach to math questions. Areas of difficulty/weakness are identified and corrected. One of the more popular units is the overview of philosophy beginning with Greek philosophers through Sartre. Teacher recommendation only. (1 credit)

*Humanities II – 1st 9wks consists of PSAT prep, test-taking prep., etc. Students enrolled in this course will show the greatest possibility of becoming National Merit Finalists. 2nd 9 wks consists of ACT Prep in

Reading, Science, English, & Math. Work will be completed on an individual basis or in groups. Lower level students will work to obtain a score of 29 on the ACT, and higher level students will try for a 35-36. 11th – 12th grade (1 credit)

Social Studies:

*World History – This class focuses on civilization from 1750 to present and on prior knowledge of ancient history to the Industrial Revolution. Teachers may review historical data prior to the 1750 time period. This course will focus on the development, connections, and global influences of the Eastern Hemisphere. Europe, Asia, and Africa are the continents of focus; however, connections to the Western Hemisphere should be made. Skill development will include, but is not limited to, the interpretation of maps, graphs, charts, political cartoons, primary documents, and other social studies tools. (1 credit)

*AP World History – This is an advanced course designed to help students gain a greater understanding of the global processes and interactions that have shaped human history since 8000 BCE to present day. Throughout the course, AP World History themes are used to improve the analytical and critical thinking skills of students. Students should expect a demanding workload with an emphasis on reading and writing that is the equivalent of an introductory college course. (1 credit)

*US History – This class will be the final step in the study of the nation’s history. This course uses thematic units based on interwoven social, political, economic, and geographic changes in the United States from 1877 to the present. The course focuses on the role of the United States as it made the transition from a young nation to a leading nation in the global arena. The student will trace the history of the United States from Reconstruction’s end to the modern period. Skill development will include, but is not limited to, the interpretation and application of maps, graphs, charts, political cartoons, primary documents, and other social studies tools.

(1 credit) **US HISTORY IS A STATE TESTED SUBJECT**

*AP US History/ Problems of American Democracy & Field Studies – AP US History is a more in-depth and analytical class focusing on the history of the United States. It is taught during the fall and spring semesters consecutively. Any student signing up for this class will automatically be placed in Problems of American Democracy/Field Studies, as this is the continuation of the AP US History class. Requires teacher recommendation and a B average in previous history classes. AP Test given. (2 credits) **US HISTORY IS A STATE TESTED SUBJECT**

*US Government – This class will provide students with an understanding of civic life, politics, and the constitutional process. It will also provide a basis for understanding the rights and responsibilities of citizens and a framework for competent and active participation. Involves concepts of America from its foundation, including the Constitution, presidency, congress, law-making, politics, judicial system and civil rights. (1/2 credit)

*AP US Government/Field Experience – Covers in more depth the concepts of American government from its foundation, including the Constitution, presidency, congress, law-making, politics, judicial system and civil rights. Requires teacher recommendation and a B average. (1/2 credit for each class)

*Economics – This course will develop an awareness of the relationship of world economic systems. The student will trace the American economic system and the impact of that system in a global setting. The student will develop an understanding of microeconomics and macroeconomics from individual finances to world economic organizations. This class will also teach students fundamental decisions about the four factors of production; land, labor, capital, and entrepreneurship are made. Key topics covered include: law of supply and demand; saving, borrowing, and spending; the Federal Reserve System and the money supply; and the role of government in an open market economy. (1/2 credit)

*AP Economics/Field Experience – This class is a nine week college-level course. Students that take it have the opportunity to earn college credit. The course emphasizes economic principles as applied to the economy as a whole. Lessons include an analysis of national income and its components, economic indicators, inflation and unemployment, money and banking, and the United States and world trade. (1/2 credit for each class)

*Psychology – This class 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.” 11th-12th only (1/2 credit)

*Sociology – This class explores the concepts and theories necessary to a systematic understanding of our social worlds. This will be done by examining how people behave in groups and how interaction shapes both individual and group behaviors, including the rules, organizations, and value systems that enable people to live together. Additional topics include considering sociology as a science, the nature of large and small groups, social stratification, historical background, social change, race, ethnic and gender backgrounds. 11th & 12th only (1/2 credit)

Mathematics:

*Compensatory Math I & II – Initially this class will serve as a review of basic math skills and then gradually lead into Transition to Algebra. It bridges the gap between Pre-Algebra and Transition to Algebra. This course will explore algebraic concepts in an informal way to build a foundation for the subsequent formal study of Algebra. Problem solving, reasoning, communication and building connections among mathematics topics will be taught. These two classes must be taken consecutively in the fall and spring terms. (2 credits)

*Transition to Algebra/Algebra I – This class is intended to be a bridge between the concrete concepts of Pre-Algebra and the abstract concepts of Algebra I and Geometry. Students will explore and investigate algebraic and geometric concepts to build a stronger foundation of basic skills. Students will also begin building basic algebraic concepts for a foundation in Algebra II and Geometry utilizing real-world applications. These two classes must be taken consecutively in the fall and spring terms. Prerequisite: Pre-Algebra (2 credits)

ALGEBRA I IS A STATE TESTED SUBJECT

*Geometry – Designed to promote critical thinking skills, problem solving, reading comprehension and an appreciation for the usefulness of mathematics in today's technology-oriented society. Prerequisite: Algebra I (1 credit)

*Survey A – Designed to extend the student's knowledge of Algebra I and Geometry in order for the student to be more successful in advanced study in mathematics. Prerequisite: Algebra I and Geometry (1 credit)

*Survey B – Designed to extend the student's knowledge of Algebra II in order for the student to be more successful in advanced study in mathematics. Prerequisite: Algebra I, Geometry. By recommendation only. (1 credit)

*Algebra II – Serving as an extension of Algebra I, this course will continue to provide opportunities for students to become mathematical problem solvers, to learn to communicate and reason mathematically and to make mathematical connections. However, the Algebra II course will provide students with a wider variety of topics to be explored in greater depth than Algebra I. A good background in Algebra I is essential for success in Algebra II. Prerequisite: Geometry (1 credit)

*Trigonometry – Extends algebraic skills to the exploration of circular and triangular functions with their properties and graphs. Prerequisite: Algebra II. (1/2 credit)

*Pre-Calculus – Serves as a bridge between Algebra II and Calculus; provides skills necessary for successful work in Calculus. Prerequisite: Algebra II. (1/2 credit)

*AP Calculus – Designed as a college-level class, this course uses the guidelines established by the advanced placement program of the College Board. (For degrees in Engineering, Business, Medicine and other technical fields) Prerequisites: Pre-Calculus & Trigonometry. (1 credit)

*AP Statistics – Designed as a college-level class, this course uses the guidelines established by the advanced placement program of the College Board. (For degrees in Liberal Arts, Business, Social Sciences, and Education) Prerequisites: Pre-Calculus & Trigonometry. (1 credit)

Science:

*Science Skills and Reasoning – This course will provide students with 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 effectively interpret and communicate results of experiments and research. 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. This is not a required prerequisite for Biology I, but may be recommended based on achievement test scores. (1 credit)

*Biology I – This is an introductory, laboratory-based course designed to study living organisms and their physical environment. Students should apply scientific methods of inquiry and research in examination of the following topics: chemical basis of life; cell structure, function, and reproduction; energy; molecular basis of genetics; natural selection and diversity; and ecology. **BIOLOGY IS A STATE TESTED SUBJECT** (1 credit)

*Earth/Space Science (may also be referred to as Astronomy/Geology) – Describes the Earth's System in terms of its position to objects in the universe, structure and composition, climate, and renewable and nonrenewable resources. Compare and contrast the lithosphere and the asthenosphere. Describes the cause and effect relationship between the composition of and movement within the Earth's lithosphere. Examines weather forecasting and describe how meteorologists use atmospheric features and technology to predict the weather. Researches the importance of the conservation of renewable and nonrenewable resources. Explains how the tilt of Earth's axis and the position of the Earth in relation to the sun determine climatic zones, seasons, and length of the days. Describes the hierarchical structure of the universe and examine the expanding universe to include its age and history and the modern techniques used to measure objects and distances in the universe. (1 credit)

*Physical Science – This course will provide 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 work will allow students to observe and analyze situations in physics and chemistry as they relate to physical laws and concepts. This is good course for non-college bound students or for those who need extra support for Chemistry I. Prerequisite: Algebra I (1 credit)

*Chemistry I – A study of the structure of matter, its properties and the changes it undergoes. Concepts covered in this course include properties of matter, measurement and use of the International System of Measurement (SI) applied to mathematical operations, atomic theory, bonding, periodicity, nomenclature, equations and reactions, the mole and stoichiometry, thermochemistry, gas laws and kinetic molecular theory, solutions, and acids and bases. Laboratory experiences should allow the student to manipulate compounds, observe change, collect and analyze data, and draw conclusions. Pre or Corequisite: Algebra II. (1 credit)

*Organic Chemistry/Field Experience – An in-depth study of organic chemistry as well as some advanced inorganic topics. Concepts covered in this course include hydrocarbons, alcohols, phenols, ethers, aldehydes, ketones, carboxylic acids, amines, stereoisomers, molecular geometry, oxidation and reduction, solution properties, coordination compounds, and nuclear chemistry. Laboratory experience allows students to synthesize and analyze organic compounds, collect and statistically analyze data. Prerequisites: Chemistry I, Algebra II. Organic Chemistry (½ credit) Field Experience (½ credit).

*AP Chemistry – A college-level class of inorganic chemistry. College credit may be awarded upon successful completion of specified criteria. Concepts covered include quantum theory, periodicity, gas laws, intermolecular forces, thermodynamics, kinetics, chemical equilibrium, acid-base and solubility equilibria, and electrochemistry. Laboratory experience allows students to predict, collect and statistically analyze data. Prerequisites: Chemistry I, Organic Chemistry/FE, and Algebra II. (1 credit)

*Anatomy and Physiology – An in-depth study of human anatomy and physiology – for college-bound students. This is a laboratory-based course that investigates the structure and function of the human body. Topics covered will include the basic organization of the body; biochemical composition; and major body systems along with the impact of diseases on certain systems. Prerequisites: Biology and Chemistry (1 credit)

*Sports Medicine – A semester science elective designed for students interested in medicine, physical therapy, exercise science, athletic training, sports medicine or any other related medical field. Prerequisites are: Biology, Health, and Anatomy and Physiology. (1 credit)

*Biology II – This is a laboratory-based course that continues the study of life. The units studied will include biochemical life processes; molecular basis of heredity; natural selection and populations; behavior patterns; and advanced classification and organism studies. Critical thinking skills, projects, research, and group laboratory activities will be emphasized in each unit. Prerequisites: Biology, Chemistry I, and Anatomy & Physiology. (1 credit)

*AP Biology with Field Experiences – An in-depth presentation of various aspects of Biology. This class is taken consecutively with Biology II. College credit may be awarded upon successful completion of specified criteria. Prerequisites: Biology, Chemistry, and teacher recommendation. Prerequisite: Biology II (1 credit)

*Physics I – This course will provide 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 Newtonian mechanics (motion in one and two dimensions, forces, work and energy) and waves (sound and light), kinematics, dynamics, energy, mechanical and electromagnetic waves and electricity. Laboratory work will allow students to observe and analyze physical situations as they relate to physical laws and concepts. Prerequisite: Trigonometry. 11th – 12th only (1 credit)

*AP Physics – This is a lab-based science course which will allow students to further their understanding of Newtonian mechanics (motion in one and two dimensions, forces, work and energy) and waves (sound and light), kinematics, dynamics, energy, mechanical and electromagnetic waves and electricity. Prerequisite: Physics I

*Zoology/Field Experience – A laboratory-based science which studies 9 of the major phyla of the Animal Kingdom. The morphology, taxonomy, anatomy and physiology of animals will be investigated. Comparative studies may be addressed during laboratory observations and dissections. 10th – 12th (1 credit)

*Marine and Aquatic Science/Field Experience – In this class students will utilize critical thinking and scientific problem solving in designing and performing biological research/experimentation. Other topics covered will be the analysis of the physical/chemical properties of water, major geologic features of aquatic environments, diversity/interactions among aquatic life, marine ecosystems, and application of modern technology in aquatic systems. Prerequisite: Zoology is recommended, but not required. 10th – 12th (1 credit)

*Introduction to Engineering/Aerospace Studies – An introduction to the 8 major fields of engineering. 10th-12th grade only. (1 credit)

Computer Science:

*Desktop Publishing – Offers the student the opportunity to use keyboarding and word processing skills in the production of attractive documents such as a flyer, letterhead, business card, report cover, and newsletter. Graphic design and page layout techniques are emphasized. Students will produce attractive documents that effectively use and display proper desktop publishing strategies. Prerequisites: Computer Discovery or keyboarding. 10th grade (1/2 credit)

*Graphic Design – This class is designed to provide the student an introduction to various graphic and image editing programs. Students will learn to consider standard design guidelines while developing their projects. 10th grade (1/2 credit)

*Digital Photography – Digital Photography introduces photography and technology skills. The purpose of the course is to enable students to develop the skills of photography through a digital medium. Students learn the basic functions of a digital camera, scanner, digital image manipulation, and photography composition. **This class must be taken consecutively with Advanced Software.** Prerequisites: Keyboarding, Computer Applications, or Computer Discovery 11th – 12th only. (1/2 credit)

*Advanced Software – Advanced Software is designed to provide additional training in application software. Students will produce original projects using advanced skills. Products include photoshop, slideshows, video, moveies, and digital photography. **This class must be taken consecutively with Digital Photography.** Prerequisites: Keyboarding, Computer Applications, or Computer Discovery 11th – 12th only. (1/2 credit)

*Web Page Design I – This is an introductory course that examines basic Hypertext Markup Language (HTML) editors and web publishing software. Course skills will include learning the essential ways to develop a web site and the evaluation of several HTML web publishing packages. 11th – 12th (1/2 credit)

*Web Page Design II – This class is designed to expand on the material taught in Web Page Design I. Students will take a more detailed look at the visual tools, site development/planning process, and web hosting services. Students will also develop a site on an assigned topic. 11th – 12th (1/2 credit)

*Introductory Programming I – This class is an introductory level programming language designed to develop the skills needed to write simple programs using Visual Basic programming. Students will write code to instruct the computer to perform specific tasks. Students will develop and improve logical thinking and decision-making skills. This course will benefit students who desire a better understanding of requirements needed to produce application software. Prerequisites: Keyboarding, Computer Applications, or Computer Discovery, Algebra I 11th – 12th (1 credit)

*Beginning Programming I – This class is an introductory level programming language designed to develop the skills needed to write simple programs using C++ programming. Students will write code to instruct the computer to perform specific tasks. Students will develop and improve logical thinking and decision-making skills. This course will

benefit students who desire a better understanding of requirements needed to produce application software.

Prerequisites: Keyboarding, Computer Applications, or Computer Discovery, Algebra I 11th – 12th (1/2 credit)

*Research Using Technology's Information Tools – This class is a research-oriented course. The students will develop the skills needed to use information tools such as the Internet, Computer Disk Read-Only Memory (CD-ROM), Laser Disc, etc. Students will become responsible and ethical users of technology while being encouraged to stay current as emerging technologies develop. **Required for Distinguished Scholar Program.** Must be taken during 10th grade. (1/2 credit)

*Multimedia Projects – This class is designed to provide training in multimedia software. Students will produce original projects utilizing advanced skills, such as video and audio production. **Required for Distinguished Scholar Program.** Must be taken consecutively during 10th grade with Research Using Technology's Information Tools. (1/2 credit)

*It Essentials – Provides a comprehensive overview of computer fundamentals and an introduction to advances concept. It is intended for individuals who want to pursue careers in IT and gain practical knowledge of how a computer works. Students who complete this course will be able to describe the internal components of a computer, assemble a computer system, install an operating system, and troubleshoot using system tools and diagnostic software. They will also be able to connect computers to the Internet and share resources in a networked environment. (1 credit)

Foreign Language (1 credit each):

*French I – Provides coverage of basic aspect of French grammar and conversation. Prerequisite: B average in English.

*French II – Involves more in-depth study of French with greater emphasis on reading, writing and conversing. Prerequisite: C average or higher in French I

*French III – Emphasizes conversing, reading and writing at an intermediate level of French. Prerequisite: C average or higher in French II.

*French IV – Emphasizes conversing, reading, and writing at an advanced level of French. Prerequisite: C average or higher in French III.

*Spanish I – Provides basic aspects of Spanish grammar and conversation. Prerequisite: B average in English.

*Spanish II – Involves more in-depth study of Spanish with greater emphasis on reading, writing and conversing. Prerequisite: C average or higher in Spanish I.

*Spanish III – Emphasizes conversing, reading and writing at an intermediate level of Spanish. Prerequisite: C average or higher in Spanish II.

*Spanish IV – Emphasizes conversing, reading, and writing at an advanced level of Spanish. Prerequisite: C average or higher in Spanish III.

Business:

*Accounting I – Designed to allow students to learn accounting terminology, principles and procedures. This course will prepare students for accounting careers, personal use and opportunities for further study. Reinforcement activities and simulations are part of the content. 11th – 12th only (1 credit)

*Keyboarding – Provides a student an opportunity to master the touch-method key-stroking skill for entering alphabetic, numeric, and symbolic information on a keyboard. Emphasis is placed on developing proper speed and accuracy techniques. Students format documents such as letters, memorandums, reports and tables for personal, educational, and business uses. 9th -10th (1/2 credit)

*Word Processing – A follow-up to keyboarding, this course refines keyboarding skills through continued use of the keyboard in more advanced functions. The student's use of formatting techniques is enhanced through the creation of documents such as letters, reports, memos and tables. The student masters specialized software functions on the computer as well as English, spelling, grammar and punctuation. Speed and accuracy are also emphasized. Prerequisite: Keyboarding. 9th – 10th (1/2 credit)

*Personal Finance – This class allows the student to explore personal financial decision-making. It also helps individuals use skills in money management, record-keeping, banking, and investing. The course accomplishes this by the study of basic concepts involving economics, insurance, banking, credit, stocks and

bonds, and other related topics through the use of business research tools and technological resources. Activities will include preparation of budgets, consumer skills, checking accounts, investment applications, comparison-shopping, advertising research, standard of living analysis, and comparison of housing options. 11th – 12th only (1/2 credit)

*Communications in Business – This class is designed to enable the student to communicate in a clear, concise, and correct manner on personal and professional levels. By incorporating critical-thinking, decision-making, and problem-solving skills into this course, the student is better able to communicate. Students will learn the importance of verbal and non-verbal communications. They will learn to write letters and participate in interviews. Proper business etiquette and human relation skills will be stressed. The course will help the individual student gain a vital skill that is needed in today's world. 11th – 12th only (1/2 credit)

* Global Marketing/ Entrepreneurship – This program provides a foundation of skills and knowledge related to basic principles of marketing and related economic fundamentals, management, merchandising, communications and career development, human relations, ethics, and etiquette. Instruction is also provided on specialized topics related to fashion, international marketing, e-commerce, entrepreneurship, financial marketing/stock market, sports, special events and entertainment marketing, and hospitality and tourism marketing. 10th – 12th (1/2 credit for each class)

Career Directed Learning – **Open to Seniors ONLY.** This program is intended to enhance a student's future career interest in a specific area. The student must be employed in a job that is directly related to their future college or career field (not just a part-time job). Seniors must complete an application for CDL in the spring of their 11th grade year. Only students who hold a career-related job and meet the academic & discipline requirements will be accepted. Students enrolled in this course are also encouraged to join DECA. Spring & Fall Semesters of Senior year (No credits).

Physical Education (1 credit each):

*PE/Football – Prepares students for participation in football. Taken with PE. Requires a tryout and coach's recommendation. Student must participate in summer practices.

*PE/Boy's Basketball – Prepares students for participation in boy's basketball. Taken with PE. Requires a tryout and coach's recommendation. Student must participate in summer practices.

*PE/Girl's Basketball – Prepares students for participation in girl's basketball. Taken with PE. Requires a tryout and coach's recommendation. Student must participate in summer practices.

*PE/Baseball – Prepares students for participation in baseball. Taken with PE. Requires a tryout and coach's recommendation. Student must participate in summer practices.

*PE/ Boy's Soccer – Prepares students for participation in boy's soccer. Taken with PE. Requires a tryout and coach's recommendation. Student must participate in summer practices.

*PE/Girl's Soccer – Prepares students for participation in girl's soccer. Taken with PE. Requires a tryout and coach's recommendation. Student must participate in summer practices.

*PE/Cheerleading – Prepares students for participation in cheerleading. Taken with PE. Requires a tryout and coach's recommendation. Student must participate in summer practices.

*PE/Dance – Prepares students for participation in dance. Taken with PE. Requires a tryout and coach's recommendation. Student must participate in summer practices.

*PE/Tennis – Prepares students for participation in tennis. Taken with PE. Requires a tryout and coach's recommendation. Student must participate in summer practices.

*PE/Weightlifting for Football Players

*PE/Weightlifting for Boys

*PE/Weightlifting for Girls

*PE/Fitness for Girls

Fine Arts:

*Band/Instrumental Music – Affords students the opportunity to study a musical instrument and be a member of a performing organization. Beginning band experience required. Required participation during spring and fall semesters for marching & concert band. (2 credits)

*Concert Choir – This choir is open mainly to students in grades 10-12, but 9th graders may audition for this group. This group performs throughout the year for concerts at various choral festivals and competitions. There is a \$20.00 choral fee for each participant. Each participant will also be responsible for purchasing his/her uniform or concert attire. The following costs are approximate: Males - \$160.00 tux package with choral fee. Females – \$110.00 dress with choral fee. Audition in required. (1 credit)

*Show Choir – This choir is open to males and females in grades 9-12. This is a song and dance group that performs at concerts and competitions throughout the year. They practice after school on Tuesday and Thursday until 5:00. When they are preparing for a competition, practice is sometimes longer. There is a \$20.00 choral fee for each participant. Each participant will also be responsible for purchasing his/her uniform or concert attire. The following costs are approximate: Males - \$220.00 tux package with choral fee. Females – \$245.00 dress with choral fee. Audition in required. (1 credit)

*Theatre III – Introduces students to general knowledge, history of drama, techniques of acting, play and production and appreciation of theatrical arts. All students must audition for theatre. 9th – 12th (1 credit)

*Theatre Production (Show Class) – This class is designed to provide students with specialized, in-depth instruction in theatre to meet the individual needs of advanced students, working at a sophisticated level, as they pursue specialty areas in dramatic production. Students will apply their knowledge of production, critical analysis, history and culture, aesthetics, connections among the arts, other content areas, and everyday life in the production of a theatrical work. Students are only allowed to enroll in this class with a recommendation from the teacher after auditioning. 9th – 12th (1 credit)

*Advanced Dramatic Techniques – This class is designed to provide students with a broad-based in-depth learning experience through independent study and increasingly demanding levels of analysis and practical application. Students will develop and produce original work and increase their level of expertise with the possible goal of specialized study at the university level and/or entry into a theatre career track. Prerequisites: Theatre III & Dramatic Criticism & Performance 11th – 12th (1 credit)

*Dramatic Criticism and Performance – This class is designed to enable students who are interested in the theatre arts to pursue an in-depth exploration of the interrelationships of aesthetics, criticism, and performance. Prerequisite: Theatre III 10th – 12th (1 credit)

*Performing Arts Special Course Drama – Open to Seniors only. This class is designed to provide students with an in-depth learning experience through independent study, acting, and directing techniques. Students will direct, act, and analyze works of theatre to increase their level of expertise offstage as well as on. Prerequisites: Theatre III, Dramatic Criticism & Performance, & Advanced Drama (1 credit)

*General Music – Students enrolled in this course may pursue music learning through a variety of means. This course includes lecture, choral and/or instrumental performance, cooperative learning group activities, interdisciplinary or thematic studies, and use of technology applications to create, perform, or research music as an art form. This class will introduce students to music appreciation, music literature, and music in relation to other arts disciplines. Grades 9th-12th (1 credit)

*Visual Art I – This is an introductory course designed to teach a novice how to draw from photographs, linear perspective, and observation. It involves a broad range of media, techniques, and processes. 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 elementary and middle level courses. Work will encompass both two and three-dimensional art forms. This class is open to all students interested in art. \$50.00 Art fee is required. 9th – 12th (1 credit)

*Visual Art II – This course continues the development of knowledge and skills as well as the creation and study of works of art and design. Building on concepts and skills acquired in the prerequisite course—Visual Arts I, students continue to increase their knowledge of production, critical analysis, history and culture, aesthetics, and connections among the visual arts, other content areas, and everyday life. Work will encompass two-dimensional media, techniques, and processes. \$50.00 Art fee is required. Prerequisite: Visual Art I (1 credit)

*Visual Art III – This course focuses on the creation and study of more advanced works of art and beginning of the development of a body of work for inclusion in a portfolio. Building on concepts and skills acquired in prerequisite courses—Visual Arts I, and II—students will work at a more advanced level applying their knowledge of production, critical analysis, history and culture, aesthetics, and connections among the visual arts, other content areas, and everyday life. Work will encompass two dimensional media, techniques, and processes. \$50.00 Art fee is required. Prerequisites: Visual Arts I & II (1 credit)

*Visual Art IV – This course focuses on the creation of a portfolio for use in the pursuit of higher education or career opportunities. Building on concepts and skills acquired in prerequisite courses—Visual Arts I, II, and III—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. Work will encompass two dimensional media, techniques, and processes. \$50.00 Art fee is required. Prerequisites: Visual Arts I, II, & III (1 credit)

*Visual Art Portfolio – This class is for Seniors only, who are interested in majoring in art in college. Students enrolled in this course will work to create a portfolio which demonstrates their artistic abilities. This portfolio will be used when applying to college and also for scholarships. \$50.00 Art fee is required. Prerequisites: Visual Arts I, II, III, & IV (1 credit)

*Photography – This class is primarily for Senior art students. Some juniors may be admitted if space is available. This class is an introductory course in the medium of black and white photography. Students will learn the photographic process, from making an exposure to creating a final print in a dark room. Emphasis is on the photographic image as a means of expression, and the use of the camera to explore and discover the visual world. \$50.00 Art fee is required. (1 credit)

Vocational/Technical Electives:

*Family Dynamics – This is a course which develops skills related to personal, family, and parenting decisions. It includes instruction in the dimensions of adolescent development, managing family systems in today's society, and parenting decisions and responsibilities. Grades 9th-12th (1/2 credit)

*Child Development – This is a course which develops skills related to physical, social, intellectual, and emotional development of the child. It includes instruction on considerations for parenthood, prenatal care, child growth and development, behavior management, needs of exceptional children, and career opportunities. Grades 9th-12th (1/2 credit)

*Personal Development – This is a course which develops skills related to positive interpersonal relationships within the family, peer groups, the work place, and the community. It includes instruction on self discovery, relationships with others, establishing goals, and career survival skills. Grades 9th-12th (1/2 credit)

*Nutrition & Wellness – This is a course which develops skills related to proper nutrition and overall wellness. It includes the impact of dieting on well-being and food and behavior management for a healthy lifestyle. 9th – 12th (1/2 credit)

*Resource Management – This course focuses on decision making, problem solving, using resources to successfully achieve individual, family, and community goals. It also focuses on consumer purchases, money management skills, budgeting and spending plans, use of credit, savings, investment and taxes. 9th – 12th (1/2 credit)

*Design and Merchandising Technology for Fashion/Interiors I – This course is the first year of training to prepare an individual for employment or continued education in the fashion or interior design industry. For students interested in fashion and interior design, this program will provide basic occupational skills necessary for continuing education or careers in fashion and interiors to include fashion design, buyers for retail fashion, fashion merchandising and sales, home and home furnishing design, home furnishing manufacturing and sales, and textile or fabric design and sales. This class is two semester class taken all year. Students enrolled in this course must take FD I & FD II. 10th – 12th (2 credits)

*Design and Merchandising Technology for Fashion/Interiors II – This course is the second year of training to prepare an individual for employment or continued education in the fashion or interior design industry. For students interested in fashion and interior design, this program will provide basic occupational skills necessary for continuing education or careers in fashion and interiors to include fashion design, buyers for retail fashion, fashion

merchandising and sales, home and home furnishing design, home furnishing manufacturing and sales, and textile or fabric design and sales. 11th – 12th (2 credits)

*Driver's Education – In this class students are introduced to various aspects of the Highway Transportation System and their role and responsibilities within that system. Students receive classroom instruction as well as in-car instruction. Students are required to obtain their learner's permit **before** their class begins and pay a \$25.00 fee. 10th-12th only (1/2 credit)

Career/Technical Center Programs: (These are two part programs for juniors and seniors (some sophomores may be included). These programs earn 2 credits per part (i.e. part I and part II).)

*Allied Health I,II – This course is designed to provide students with basic skills necessary to pursue health occupations. First year students are introduced to health careers, health sciences, and basic clinical skills. Second year students learn advanced clinical skills and participate in clinical rotations at hospitals, nursing homes, and other health related facilities. Biology I is a prerequisite for this course. Final grade must be "C" or higher.

*Automotive Service Technology I,II – First year students are introduced to safety guidelines, tools, basic service, brakes, and electrical service. Second year students master the skill of engine performance, drive trains, steering & suspension systems, and air conditioning/heating service.

*Building Trades I,II – Carpentry, plumbing, masonry, and residential wiring are taught in both years of this program. Job safety is emphasized as well as special projects to enhance learning of construction skills.

*Business Computer Technology II– Students acquire business skills that allow them to seek entry level positions in office occupations as full-time careers or as part-time employment while in high school and college. Microsoft Office software applications are mastered during this two year course along with introductory skills in handwriting and voice recognition, web page design, programming, business accounting, business finance, and much more. Students will have the opportunity to take the IC³ Certification Exam at the end of the program. Above average keyboarding skills are necessary.

*Electronics I,II – This program covers areas such as: basic AC & DC, computer elements, printed circuit boards, use of digital meters, power supplies, oscilloscopes, function generators and frequency counters. Shop projects utilize these aspects as well as digital and solid state electronics.

*Metal Trades I,II – All first year students learn the basics in machine tool operation, sheet metal work and welding. Second year students concentrate on enhancing skills in machining and welding. This course prepares students for further education in areas such as welding, machining, sheet metal work or mechanical engineering.

*Teacher Academy I – Students in this program will be provided information and field experience relevant to pursuing a degree in education. Communication skills, planning, teaching and assessment strategies will be taught and students will have an opportunity to practice skills learned in various educational settings.

NOTE: ALL STUDENTS ARE ELIGIBLE TO OBTAIN FREE COLLEGE CREDITS BY COMPLETING ANY OF THESE TWO-YEAR PROGRAMS WITH AN 80 PERCENT SCORE ON THE MISSISSIPPI CAREER PLANNING ASSESSMENT SYSTEM (CPAS), AND SCHOLARSHIPS ARE AVAILABLE.

