CLASS DESCRIPTIONS & CLASS RANKING WEIGHTS

Arp ISD has established course weights (in the parenthesis) to assure that students taking the most rigorous courses are rewarded for their efforts as a criteria for CLASS RANKING ONLY. In general, the weights begin with zero, for courses that are not considered in class ranking. A weight of one is calculated into the GPA with the exact grade for the course. Weights of 2 -4 are calculated into the GPA with a computer algorithm as a weighted score to boost the GPA FOR CLASS RANKING ONLY. Colleges look at class rank AND at the 4.0 GPA without weights.

These weights are in effect for the class of 2022 and 2023 only.

English Language Arts

English I: 1 credit *(2)*

English I emphasizes three parts: literature, grammar, and composition. A variety of genres will be read and discussed throughout the course of study and related to everyday life experiences. Reading and interpretations of the literature selections are used to generate compositions and open ended writings. Students are required to apply their knowledge of basic rules or grammar and usage in compositions/open ended writings. Research skills will be developed through a project/paper.

***English II**: 1 credit* *(2)*

English II emphasizes three parts: literature, grammar, and composition. Critical analysis of literature is undertaken with the practical application of creating compositions or open-ended essays. A variety of genres will be read and discussed throughout the course of study and related to everyday life. Students are required to apply their knowledge of basic rules or grammar and usage in compositions/open ended writings. Research skills will be developed through a project/paper.

English III: 1 credit *(2)*

Students will read, analyze, and develop and in-depth study of American literature. Major authors and a variety of genres will be analyzed. Students are required to apply their knowledge of grammar and usage in compositions dealing with the literature selections. Development of communication competencies involving listening, speaking, group work, vocabulary, and writing-on-demand are additional elements of the course. SAT preparation is also included. Research skills will be developed through a research paper/project.

English IV/College prep: 1 credit *(2)*

Objective: To prepare students to succeed in a culturally diverse world post graduation through the critical analysis of British literature and writing, research, media, and the applications of real world skills.

Dual Credit-English IV: 1 credit (6 college credit hours) (4) Offered on CTE campus

English 1301- Intensive study of and practice in writing processes, from invention and researching to drafting, revising, and editing, both individually and collaboratively. Emphasis on effective rhetorical choices, including audience, purpose, arrangement, and style. Focus on writing the academic essay as a vehicle for learning, communicating, and critical analysis.

English 1302-Intensive study of and practice in the strategies and techniques for developing research-based expository and persuasive texts. Emphasis on effective and ethical rhetorical inquiry, including primary and

secondary research methods; critical reading of verbal, visual, and multimedia texts; systematic evaluation, synthesis, and documentation of information sources; and critical thinking about evidence and conclusions. Prerequisite: ENGL 1301

Reading I, II, III: 1 credit

Reading I, II, III offers students reading instruction to successfully navigate academic demands as well as attain life-long literacy skills. Specific instruction in word recognition, vocabulary, comprehension strategies, and fluency provides students an opportunity to read with competence, confidence, and understanding. Students learn how traditional and electronic texts are organized and how authors choose language for effect.

Fine Arts

Art I: 1 credit (1)

This is a foundation level for art study throughout high school. The course focus is to learn and use the elements and principles of art. Students will write about art, personal expressions in their art, art vocabulary and art criticism. This course will follow the art time line from prehistoric art to the 20th century art world. Students will become familiar with many different types of art forms and will focus on personal creative expression by students creating a U book. Students will learn to draw 3D and learn to draw in perspective. Students will need to purchase supplies for this class. (A list will be given the first week of school)

(Art I - satisfies the required fine arts credit needed)

Art II (2D Art) Drawing: 1 credit **(**Prerequisite Art I) (2)

Students will express their ideas through original works of art using the prior knowledge of the elements and principles of art. Students will use a variety of media such as pencil, charcoal, paint, ink and collage. Students will create sketchbook assignments each six weeks and throughout the entire year. These will be from the 144 Ideas sheet. Art assignments will be given each six weeks and emphasis on drawing for art competitions as well as for future portfolio is a significant part of this course.V.A.S.E, Visual Arts Scholastic Event, is an art competition in which students compete in our region and students will focus on their art for this competition in the spring. Students will need to purchase supplies for this class. (A list will be given the first week of school)

Art II- (3D Art) Sculpture: 1 credit (3)

Students will further develop their artistic skills by creating three dimensional artworks. Media used in this course includes but is not limited to wood, ceramics, paper, mixed media, wire, soft sculptures, textiles, fibers and plaster. Emphasis on design elements and principles is an integral part of this course. This course will be hands- on and students will learn how to safely use tools (skill saw, scroll-saw, wood burners, glue guns, exacto blades etc.) to create sculptures. This class is for those students willing to challenge their creativity and is intended for those who will work independently on their own creative process throughout the year. Students will need to purchase supplies for this class. (A list will be given the first week of school) (Many supplies will be on an as needed basis.)

Art II- Ceramics (Clay): 1 credit (2)

Students will "get dirty" in this class so this is a hands on class! Students will be introduced to the 3D world of clay. (*This class is not a basic sculpture class.*) The class will begin with hand building clay, clay terminology, glazing methods, ceramic artists and styles. Students will learn how to create coil pots, slab buildings and create sculptural forms from clay. The class has four electric wheels so students will work in pairs when they begin the "throw" on the wheel. All clay will be fired (high fire) and glazed throughout the year. This

class is intended for upper level ceramic designs with a focus on quality in the student's ceramic artwork. Students will need to purchase supplies for this class. (A list will be given the first week of school)

There is no fee for this class.

Art III and IV: 1 credit each **(**Prerequisite Art II) (3/4)

These classes are the same as ART II with the exception that they are to build a portfolio for their senior art. Students will prepare art to compete in VASE Visual Arts Scholastic Event, Kilgore College Art Symposium, and Longview Museum of Art competitions as well as for their own submission to an art school of their choice.

Band I, II, III, IV: 1 credit each year

The Arp High School Band performs at a wide range of activities including football games, parades, concerts, and UIL events. Band students also have several opportunities to compete individually as well as in small groups. Senior members have the opportunity to earn scholarships that help pay for their college education.

Science

Biology: 1 credit (2)

This is a laboratory based course that investigates the structure, growth and function of the life systems of selected organisms. Computer technology is used in the gathering of data, including the use of probe-ware. Energy production, relationships between organisms and with their environment, various ecosystems and inherited traits are studied. Weak readers may have trouble with this course.

Chemistry: 1 credit (2)

Students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include characteristics of matter, use of the Periodic Table, development of atomic theory and chemical bonding, chemical stoichiometry, gas laws, solution chemistry, thermochemistry, and nuclear chemistry. Students will investigate how chemistry is an integral part of our daily lives.

Physics: 1 credit (3)

Prerequisite: Students taking Physics I should at least be concurrently enrolled in Algebra II.

Course Description: Physics I is a first year algebra-based introductory physics course dealing with a broad range of topics, from the study of motion and energy in the first semester to waves, electromagnetism, atomic and modern physics in the second semester. Even though we are mainly interested in the *concepts* behind certain physical phenomena, an algebra and geometry background is very helpful in expressing these concepts mathematically using simple equations. Embedded standards for Inquiry, Technology & Engineering, and Mathematics are taught in the context of the content standards for Mechanics, Thermodynamics, Waves and Sound, Light and Optics, Electricity and Magnetism and Atomic & Nuclear Science. This course emphasizes conceptual understanding through labs, hands-on activities, projects, and problem-solving exercises

Anatomy and Physiology: 1 credit (3)

Prerequisites: Students enrolled in Anatomy and Physiology should have successfully completed Biology I and Chemistry or concurrently enrolled in Chemistry.

Students are introduced to the study of the human body's structures and functions. A strong emphasis is placed on assimilating information, analyzing and interpretation of laboratory data, and solving complex medical cases, situations, and ethics questions. Coursework includes a variety of hands-on, practical application laboratory activities as well as four to five dissections of major organs and one organism. Fall topics include: Body orientation, chemistry of the body, tissues, integumentary system, skeletal system, muscular system, nervous system, and senses. Spring topics include: Cardiovascular system, immune system, lymphatic system, reproductive system, endocrine system, digestive system, respiratory system, and human genetics.

Scientific Research I & II: 1 credit (1/2)

Scientific Research is a *laboratory science course* that enables students to both apply and expand previous science content knowledge toward the endeavor of engaging in open-ended, student-centered investigations that are designed to answer testable questions. Tools used in this course will include materials from Lego Mindstorms and Tetrix. Students will build and program robots to solve real world problems. Embedded standards for Technology & Engineering are taught in the context of the content standards that enable students to: Practice Ethics, Think Critically, Investigate, Analyze and Evaluate Data, and Communicate Results.

Forensic Science: 1 credit (3)

Forensic Science is a course that introduces students to the application of science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. Students will learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, students will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. Students will also learn the history and the legal aspects as they relate to each discipline of forensic science.

Agriculture

Principles of Agriculture, Food, and Natural Resources: 1 credit (1)

This course is the first course in a series of classes offered in the Agricultural Sciences. This course focuses on Leadership Organizations, Parliamentary Procedure, and Career Opportunities available in the ever changing agricultural industry. The students will be introduced to the National FFA Organization and all that it offers students enrolled in agricultural science classes. It serves as the introductory course with topics to include Animal Science, Ag. Mechanics, FFA, Leadership, and others.

Livestock Production: 1 credits (1)

This course is the first animal science class offered at Arp High School. This class will follow up the Principles of Agriculture class and will begin to offer the student an understanding of basic animal science. They will be introduced to breeds of livestock, management techniques, and basic selection of market and breeding animals.

Agricultural Mechanics and Metal Technologies: 1 credit (2)

This course will be the first shop class offered at Arp High School. This class will cover shop safety, tool use and ID, basic construction skills, welding with SMAW and MIG applications. The students will also learn cold metal skills as well as Oxy-acetylene processes. This is an activity class which will require appropriate clothing to participate in. Students will be provided a locker that they can place clothing in to have on hand each day.

Agricultural Facilities Design and Fabrication: 1 credit (3)

This course will build upon the foundation skills learned in Ag. Mech. And Metal Tech. This class will focus more on designing and fabricating of projects. The students will also improve on skills learned in the previous class leading to possible industry certifications. We will use the NCCER Certifications in this class. The students will have the opportunity to develop CAD drawings of projects and then build those projects for competition at the County Show in the spring.

Small Animal Management: .05 credit (2)

In Small Animal Management, students will acquire knowledge and skills related to small animals and the small animal management industry. Small Animal Management may address topics related to small mammals such as dogs and cats, amphibians, reptiles, and birds. To prepare for careers in the field of animal science, students must enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills in a variety of settings.

Equine Science: .05 credit (2)

In Equine Science, students will acquire knowledge and skills related to equine animal systems and the equine industry. Equine Science may address topics related to horses, donkeys, and mules. To prepare for careers in the field of animal science, students must enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings..

Advanced Animal Science: 1 credit (2)

This is the final Animal Science course offered at Arp. This course, at time of printing, does count as a students 4th science credit. This class will take in depth discussions in all the body systems, reproductive technologies, and other topics listed in the TEKS. These students will also be involved in several activities such as basic surgical procedures, selection activities that could require additional clothing for the student.

Agricultural Power Systems: 2 credits (3)

Agricultural Power Systems is designed to develop an understanding of power and control systems as related to energy sources, small and large power systems, and agricultural machinery. To prepare for careers in agricultural power, structural, and technical systems, students must attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the

workplace; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations.

Consumer Science

Principles of Human Services: 1 credit (1)

This laboratory course will enable students to investigate careers in the human services career cluster including counseling and mental health, early childhood development, family and community, and personal care services. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand human services careers. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

Child Development: 1 credit (3)

This technical laboratory course addresses knowledge and skills related to child growth and development from prenatal through school-age children, equipping students with child development skills. Students use these skills to promote the well-being and healthy development of children and investigate careers related to the care and education of children. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

Instructional Practices (coming soon)

Instructional Practices is a field-based (practicum) internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students work under the joint direction and supervision of both a teacher with knowledge of early childhood, middle childhood, and adolescence education and exemplary educators or trainers in direct instructional roles with elementary-, middle school-, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel.

Practicum in Education and Training: (coming soon)

Practicum in Education and Training is a field-based internship that provides students background knowledge of child and adolescent development principles as well as principles of effective teaching and training practices. Students in the course work under the joint direction and supervision of both a teacher with knowledge of early childhood, middle childhood, and adolescence education and exemplary educators in direct instructional roles with elementary-, middle school-, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, assist with record keeping, make physical arrangements, and complete other responsibilities of classroom teachers, trainers, paraprofessionals, or other educational personnel.

Social Studies

World Geography: 1 credit (2)

This course focuses upon concepts of basic longitude, latitude, climate zones, weather, landforms, etc. to continents and countries. Research is emphasized in the areas of regions, geographic formations, mapping and weather. The content will offer the student the opportunity to put into practice the concepts and skills for this class through critical thinking applications. Furthermore, this class will build upon what the students

accumulated throughout the social studies program beginning in the elementary grades and continuing throughout their secondary courses.

World History: 1 credit (2)

World History Studies is a survey of the history of humankind. The major emphasis is on the study of significant people, events, and issues from the prehistoric times to the present. Traditional historical points of reference in world history are identified as students analyze important events and issues in western civilization as well as in civilizations in other parts of the world. Students evaluate the causes and effects of political and economic imperialism and of major political revolutions since the 17th century. Additionally, students examine the impact of geographic factors on major historic events and identify the historic origins of contemporary economic systems. Students analyze the process by which constitutional governments evolved as well as the ideas from historic documents that influenced that process.

U.S. History: 1 credit (2)

The primary goal of U.S. History is to increase your knowledge and understanding of how and why the United States came to be what it is today. This course traces the growth of the United States, beginning with some of the historical developments and events which occurred before the voyages of Christopher Columbus. It continues with those which have occurred since the late fifteenth century through the Civil War and beyond. Emphasis is placed not only on political and economic issues, but also on military, diplomatic, religious, social, and philosophical ones as well. This survey course of United States History is intended to provide an introduction to the framework of American history and to lay the groundwork for any future study. The course is designed to help students understand and evaluate their society, comprehend the historical experience, and further develop reading competency and critical thinking skills. Students are encouraged to participate in discussions pertaining to the lectures and issues from the textbook. Videos may be used during the course of the semester to supplement the textbook.

Dual Credit U.S. History: 1 credit (6 college credit hours) (4) <u>Offered on CTE campus</u>

History 1301-A survey of the social, political, economic, cultural, and intellectual history of the United States from the pre-Columbian era to the Civil War/Reconstruction period. United States History I includes the study of pre-Columbian, colonial, revolutionary, early national, slavery and sectionalism, and the Civil War/Reconstruction eras. Themes that may be addressed in United States History I include: American settlement and diversity, American culture, religion, civil and human rights, technological change, economic change, immigration and migration, and creation of the federal government.

History 1302-A survey of the social, political, economic, cultural, and intellectual history of the United States from the Civil War/Reconstruction era to the present. United States History II examines industrialization, immigration, world wars, the Great Depression, Cold War and post-Cold War eras. Themes that may be addressed in United States History II include: American culture, religion, civil and human rights, technological change, economic change, immigration and migration, urbanization and suburbanization, the expansion of the federal government, and the study of U.S. foreign policy. Prerequisite: HIST 1301

Government: .5 credits (2)

The focus of the course on United States Government is to learn the principles and beliefs upon which the United States was founded and on the structure, functions, and powers of government at the national, state, and local levels. It is the culmination of the civic and governmental content and concepts studied from Kindergarten

through required secondary courses. Students learn major political ideas and forms of government in history. A significant focus of the course is on the U.S. Constitution, its underlying principles and ideas, and the form of government it created. Students analyze major concepts of republicanism, federalism, checks and balances, separation of powers, popular sovereignty, and individual rights and compare the U.S. system of government with other political systems. In essence, they learn the framework of the civic organizations to which they are about to belong, and in which they will hopefully participate.

Economics: .5 credits (2)

Economics with Emphasis on the Free Enterprise System and its benefits is the culmination of the economic content and concepts studied from Kindergarten through required secondary courses. The focus is on the basic principles concerning production, consumption, and distribution of goods and services in the United States and a comparison with those in other countries around the world. Students examine the rights and responsibilities of consumers and businesses. Additionally, students analyze the interaction of supply, demand, and price and study the role of financial institutions in a free enterprise system. They will investigate the concepts of specialization and international trade, economic growth, key economic measurements, and monetary and fiscal policy. Students will study the roles of the Federal Reserve System and other financial institutions, government, and businesses in a free enterprise (capitalist, free market) system. Types of business ownership and market structures are discussed as are basic concepts of consumer economics. The course also incorporates instruction in personal financial literacy.

Dual Credit Government: .5 credit (3 college credit hours) (4) Optional Offered on CTE campus

Government 2305- An introductory college course in United States Government and Politics is one semester in length. The course will give the student an analytical perspective on government and politics and includes the study of general concepts and analysis of specific examples. Topics may include constitutional underpinnings; political beliefs and behaviors; political parties, interest groups, and mass media; public policy; and civil rights and liberties.

Dual Credit Economics: .5 credit (3 college credit hours) (4) Optional Online

Economics 2301- The purpose of the course in microeconomics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy.

Technology

BIM I: 1 credit (1)

Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address business applications of emerging technologies, create word-processing documents, develop spreadsheets, formulate databases, and make electronic presentations using appropriate software.

BIM II: 1 credit (4)

Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply advanced technical skills to address business applications of emerging technologies, create word-processing documents, develop spreadsheets, formulate databases, and make electronic presentations using appropriate software.

Yearbook I & II: 1 credit

Careers in the Arts, Audio/Video Technology, and Communications career cluster require, in addition to creative aptitude, a strong background in computer and technology applications, a strong academic foundation, and a proficiency in oral and written communication. Within this context, students will be expected to develop an understanding of the various and multifaceted career opportunities

Touch System Data Entry: 1 credit

Students apply technical skills to address business applications of emerging technologies. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students will need to apply touch system data entry for production of business documents.

Digital Media: 1 credit (3)

Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an

MATHEMATICS

Algebra 1: 1 credit (2)

Algebra 1 is a one-year course that will help students view algebra not only as a theoretical tool for analyzing and describing mathematical relationships, but will expose the student to the power of algebraic thinking in a context of applications, using mathematical modeling of real-world problems. Students will develop a solid foundation of the basic concepts of algebra through an extensive study of algebraic language, operations of signed numbers, solving word problems, and solving and graphing linear and quadratic equations, and inequalities.

Additional topics include the study of functions; systems of equations and inequalities; rational and irrational numbers; polynomial operations; factoring; and laws of exponents. The course content will include a rigorous approach to solving, graphing, and writing linear, quadratic, rational, and exponential functions.

Geometry: 1 credit (2)

(Pre-requisite: successful completion of Algebra 1)

Geometry is a one-year course that provides an essential foundation for further mathematical studies, using the postulates and theorems of Euclidean geometry. The course helps to develop logical thought by engaging students in deductive and inductive reasoning. The course uses an axiomatic approach, beginning with the undefined terms point, line, and plane.

Other topics include parallel and perpendicular lines, triangle classifications and relationships regarding congruence and similarity; quadrilaterals; area and perimeter of polygons; area and circumference of circles and sectors; properties of segments of polygons and circles; area and volume of polyhedra, spheres and composite figures; conditional statements; transformations; Pythagorean Theorem and its converse; and trigonometric ratios for right triangles. Further studies include angle and segment relationships in circles and polygons and non-Euclidean geometries. Scientific calculators and computer software will be used when appropriate for certain problem-solving exercises.

Algebraic Reasoning: 1 credit (2)

(Pre-requisites: Algebra 1 and Geometry)

In Algebraic Reasoning, students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I, continue with the development of mathematical reasoning related to algebraic understandings and processes, and deepen a foundation for studies in subsequent mathematics courses. Students will broaden their knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions. Students will study these functions through analysis and application that includes explorations of patterns and structure, number and algebraic methods, and modeling from data using tools that build to workforce and college readiness such as probes, measurement tools, and software tools, including spreadsheets

Algebra II: 1 credit (3)

(Pre-requisites: Algebra 1 and Geometry)

Algebra II is a one-year course that builds on a continuation and extension of the topics learned in Algebra 1 and prepares students for advanced-level courses. Students are challenged to work toward mastery of computational skills, to deepen their conceptual understanding of key ideas and solution strategies, and to extend their knowledge in a variety of problem-solving applications.

Course topics include functions, relations, and their graphs; quadratic functions; inverse functions, polynomial functions; radical, rational, exponential, and logarithmic functions; systems of equations and inequalities, solving quadratic equations by various methods; graphing quadratic functions; solving systems of equations by various methods; operations with complex numbers; and linear programming with applications. The course involves extensive use of the scientific calculator and computer software when applicable.

Pre-Calculus: 1 credit (3)

(Pre-requisites: Algebra I, Geometry, Algebra II)

Pre-calculus is a one-year (two semesters) course that weaves together the previous study of algebra, geometry, and functions into a preparatory course for calculus. The course focuses on the mastery of critical skills and exposure to new skills necessary for success in subsequent math courses.

Topics include linear, quadratic, exponential, logarithmic, radical, polynomial, and rational functions; systems of equations; conic sections; trigonometric ratios; inverse trigonometric functions; applications of trigonometry, including vectors and laws of cosine and sine; polar functions and notation; and, arithmetic of complex numbers. Cross-curricular connections are made throughout the course to calculus, art, history, and a variety of other fields related to mathematics.

Calculus: 1 credit (4)

(Pre-requisites: Precalculus with teacher recommendation)

Calculus is a one-year (two semesters) college preparatory course that is designed for the accelerated 12th grade mathematics student who is considering advanced placement in college or wishes to have maximum preparation for college calculus.

This course provides a comprehensive survey of differential and integral calculus concepts, including limits, derivative and integral computation, linearization, Riemann sums, the fundamental theorem of calculus, and differential equations. Various applications include graph analysis, finding the area under a curve, applied problems of integration, finding volumes of solids of revolution, and other integration rules and techniques. linear motion, average value, area, volume, and growth and decay models.

Math Models/College Prep: 1 credit (2)

This is a course for juniors or seniors who are not quite ready for Algebra 2. It reviews all Algebra 1 topics and briefly touches on some Algebra 2 concepts. It also contains some Probability and Statistics. A fair amount of state assessment review is done in this course. A student would be ready for Algebra 2 or College Algebra after MMA.

Pre-Algebra: 1 credit (1)

This course is intended to create strategic mathematical learners from underprepared mathematics students. The basic understandings will stimulate students to think about their approach to mathematical learning. These basic understandings will include identifying errors in the teaching and learning process, input errors, physiological concerns, and key cognitive skills. The essential knowledge and skills will foster a deeper understanding of the task of learning mathematical concepts.

Physical Education I, II: 1 credit each

This class promotes and introduces concepts of personal development in health-related fitness and physical skills. It is designed to develop life-long physical and health-related fitness skills in students which include: cardiovascular fitness, body composition, muscular strength, muscular endurance, and flexibility.

Athletics I, II, III, IV: 1 credit each year

Team and individual sports for men and women include:
Cross Country
Volleyball
Football
Basketball
Track
Softball
Baseball
Golf

Other Languages

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Spanish I Grades 8, 9, 10, 11: 1 credit (1)

This course introduces students to the language and cultures of the Spanish-speaking world. In Spanish I, students communicate about various topics, such as exchanging greetings, identifying classroom objects, describing family members, telling time, describing the weather and seasons, locating places around town, and shopping for clothing. Students explore the Spanish-speaking world, focusing on the geography of Spain and Latin America. They compare relevant aspects of the cultures of the Americas and Spain.

Spanish II Grades 9, 10, 11, 12:1 credit (2)

Prerequisite: Spanish I or staff recommendation

This course emphasizes what students are able to do in the language. Students communicate about a variety of topics in the past, present and future. Students study the culture of the Spanish-speaking world through readings, lectures, discussions, and the use of media and technology.

Spanish III Grades 10, 11, 12: 1 credit (3)

Prerequisite: Spanish II or staff recommendation

Spanish III reinforces communication skills and expands to include more sophisticated writing and spontaneous speaking. Events are discussed in the present, past, and future tenses. Students continue to study the culture of the Spanish-speaking world through readings, lectures, discussions, and the use of media and technology.

Spanish IV Grades 11, 12: 1 credit (4)

Prerequisite: Spanish III or staff recommendation

Spanish IV continues to refine and expand communication skills. There is review of key grammar structures, expanding on previously learned items to more advanced structures. The study of culture emphasizes the mix of cultural influences on a variety of aspects of the Spanish-speaking world, including history, literature, and the fine arts.

Other CTE courses

Money Matters: 1 credit (1)

Dollars and Sense focuses on consumer practices and responsibilities, the money management process, decision- making skills, impact of technology, and preparation for human services careers. Students are encouraged to participate in career and technical student organizations and other leadership organizations.

Accounting I: 1 credit (3)

Students investigate the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in the process of recording, classifying, summarizing, analyzing, and communicating accounting information. Students formulate and interpret financial information for use in management decision making.

Accounting II: 1 credit (4)

Students continue the investigation of the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in various managerial and cost accounting activities. Students formulate and interpret financial information for use in management decision making.

Course offerings online via Virtual School (Not already offered)

Sociology: .5 credit (2)

Sociology, an elective course, is an introductory study in social behavior and organization of human society. This course will describe the development of the field as a social science by identifying methods and strategies of research leading to an understanding of how the individual relates to society and the ever changing world. Students will also learn the importance and role of culture, social structure, socialization, and social change in today's society.

Psychology: .5 credit (2)

In Psychology, an elective course, students study the science of behavior and mental processes. Students examine the full scope of the science of psychology such as the historical framework, methodologies, human development, motivation, emotion, sensation, perception, personality development, cognition, learning, intelligence, biological foundations, mental health, and social psychology.

Principles of Health Science: 1.0 credit (3)

The Principles of Health Science provides an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the healthcare industry.

Medical Terminology: 1.0 credit (3)

This course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, combining forms, and singular and plural forms, plus medical abbreviations and acronyms. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology.

Computer Science I & II: 1 credit each (1 & 2)

Computer Science I and II will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer

science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of the principles of computer science through the study of technology operations, systems, and concepts.

Course offerings online via Schools PLP (Not already offered)

Aquatic Science **1 credit (2)**

In Aquatic Science, students study the interactions of biotic and abiotic components in aquatic environments, including impacts on aquatic systems. Investigations and field work in this course may emphasize freshwater or marine aspects of aquatic science depending primarily upon the natural resources available for study near the school. Students who successfully complete Aquatic Science will acquire knowledge about a variety of aquatic systems, conduct investigations and observations of aquatic environments, work collaboratively with peers, and develop critical-thinking and problem-solving skills.

Earth Science **1 credit (2)**

ESS is a capstone course designed to build on students' prior scientific and academic knowledge and skills to develop understanding of Earth's system in space and time.

American Sign Language I: **1 credit (1)**

Students in ASL Level I develop the ability to perform the tasks of the novice language learner. The novice language learner, when dealing with familiar topics, should understand ASL phrases receptively and respond expressively with learned material; sign learned words, concepts, phrases, and sentences; recognize the importance of communication and how it applies to the American Deaf culture; and recognize the importance of accuracy of expression by knowing the components of ASL. Students use expressive and receptive skills for comprehension

American Sign Language II: **1 credit (2)**

Students in ASL Level II develop the ability to perform the tasks of the novice-to-intermediate language learner. The novice-to-intermediate language learner, when dealing with familiar topics, should understand ASL phrases receptively and respond expressively with learned material; sign learned words, concepts, phrases, and sentences; recognize the importance of communication and how it applies to the American Deaf culture; and recognize the importance of accuracy of expression by knowing the components of ASL. Students use expressive and receptive skills for comprehension.