

9th GRADE
COURSE DESCRIPTIONS 2009-2010

50763 Year MATH SKILLS UBSCT – Students will follow the standards of arithmetic, algebraic reasoning, basic geometry, basic computation, and collection and organization of data and graphs of the Utah Basic Skills Competency Test framework. It counts as ½ credit math and ½ credit elective.

52543 Year ALGEBRA A - This class covers basic algebra concepts at a slower pace. Students will develop fluency with basic rational number relationships and operations. Linear relationships will be introduced and applied.

52503 Year ALGEBRA 1 – This class extends students' problem-solving abilities in real-world problems using algebra, numbers, and graphs. Students study the properties of the real number system and use these properties to solve linear equations and inequalities. Technology and manipulatives will be used to help students.

53003 Year GEOMETRY - Students investigate geometric concepts using technology, manipulatives, and hands-on activities. Students will move between synthetic, coordinate, and transformational systems for representing geometric ideas and will use right triangle trigonometry to model problems from the real world. (Both inductive and deductive reasoning are emphasized.)

53540 Year ALGEBRA 2 HONORS - A more rigorous intermediate algebra course. Topics are discussed in more depth and more independent study is expected on the part of the student. Intermediate algebra extends elementary algebra concepts to include solving systems of equations, modeling real-world problems with exponential, logarithmic, and trigonometric functions, and using the properties of the complex number system. The concept of function is used as an important unifying theme in mathematics. Students use matrices, statistics, probability, and other discrete math concepts to model and analyze real-world applications.

40903 Year ENGLISH 9 - This course develops language skills in the areas of reading, writing, and inquiry. Students will read both fiction and non-fiction, write in a variety of genres, work on improving their vocabulary, and learn and practice good grammar skills. There is a heavy emphasis on becoming an effective writer.

40943 Year ENGLISH 9 HONORS - This is an accelerated class for students who excel in English. The pace is fast and the depth in some areas is extensive. Extensive reading requirements and additional homework are part of the curriculum. Group and individual projects will be a part of each unit of study.

62100 Sem. WORLD GEOGRAPHY – This course covers the five themes of geography. Students will study the various cultures of the world, including life style, political and social trends, and advancing technology. They will utilize geographic skills to understand the practical application of geography to everyday life through the use and study of maps.

62300 Sem. WORLD CIVILIZATIONS – This class combines geographic study with world civilizations. The course studies people, places, significant events, cultures, and environments. Students will examine human experience in at least six spheres of human activity as well as understand how geography relates to life.

62340 Sem. WORLD CIV/GEO (62110) HONORS – Students will study the world studies curriculum in more depth. It is an excellent preparation for students who plan to take Advanced Placement History courses.

36003 Year EARTH SYSTEMS - Earth Systems focuses on the theme of systems. Topics from physical, earth, and life science are integrated to help students develop an understanding of interactions and interdependence within and between such earth systems as matter cycles, energy flows, and life webs. Hands-on inquiry-based instruction is used to help students value science as a process for obtaining knowledge based on observable evidence. **This class is only available in 9th grade.** Class fee \$10.

35203 Year BIOLOGY – (Must be in Geometry or Algebra 2) - Students will study the functions of atoms and molecules in the chemistry of cells, the structure and function of cells, and how cells function as a system. They will analyze how genetic information is passed from one cell to another and the significance and impact of genetic alteration on living organisms. They will explore biological diversity, analyze characteristics of ecosystems, and the interdependence of organisms with each other and with their environment. Class fee \$10.

77000 Sem. P.E. PARTICIPATION SKILLS & TECHNIQUES - Skills and techniques in individual sports are taught. Running and exercise skills are utilized to improve physical fitness. A Lehi PE uniform is required. A fee of \$20 will be charged for field trips and transportation, also \$3 for a towel and lock. **This class is required for high school graduation, no substitutions.**

81310 Sem. COMPUTER TECHNOLOGY – An introduction to word document processing, spreadsheets, and powerpoint. Ethics and use of operating systems, information resources, and electronic mail is included. Skills gained will be demonstrated by creating a project in different content areas. **Required for high school graduation.**

97003 Year SEMINARY RELEASE TIME - Off-campus religious or individual enrichment activity.

11010 Sem. ART FOUNDATIONS 2 – (Pre-req. Art Foundations 1) - The student learns the fundamental principles and elements of design, still life, and figure drawing. Class fee \$10.

11100 Sem. CERAMICS 1 – (Pre-req. Art Foundations 1) - The student receives instruction in ceramics and designing in ceramic clays. Preparation of clay bodies, use of tools and equipment, firing and construction methods, and an introduction to wheel throwing will be taught. Class Fee \$10 plus project fee.

11120 Sem. CERAMICS 2 – (Pre-req. Ceramics 1) – More detailed instruction in throwing on the wheel, clay bodies, glaze formulas, ceramics, sculpture, and pottery. Lab fee \$10 plus fee based on clay project(s).

17220 Sem. SAB (Mixed voices) - Students will rehearse and perform suitable music for mixed voices from a wide range of different periods, madrigal and smaller musical forms. Two performances a semester will be required. Performance outfit will be Sunday best. Fund raising is encouraged but not required.

17300 Year BELL CHOIR – (Pre-req. 3 yrs of piano/teacher approval) – Students have an opportunity to experience music through the medium of hand bells. Three or four octaves of English Hand Bells are used with 12-16 students playing chords simultaneously depending on the notes written that coordinate with their bells. Performance outfit will be black and white.

17470 Sem. GUITAR 1 – BEGINNING – Students will develop basic guitar skills, good musicianship, appropriate behaviors for group and solo work, and performances. Students learn several songs, chord patterns, rhythms, musical skills, like note reading and tuning. They practice at home and participate in concerts and recitals.

18213 Year CHAMBER CHOIR (Girls' voices) – Students will be admitted only after a vocal listening. - This choir will perform a wide range of significant choral literature of all periods, madrigal, and smaller musical forms. Performances, festivals, and concerts will be required. Performance outfit required (If student participates in fund-raising efforts, the cost of the fee and Palazzo pants will be reduced).

18203 Year AUDITION CHORUS (Mixed voices) – Students will be admitted only after a vocal listening. This class is a mixed choir performing a wide range of music from many significant periods, languages, and styles. Vocal production and musical excellence is stressed. Performances and dress at festivals/concerts will be required. Performance outfit required (If student participates in fund-raising efforts, the cost of the fee and Palazzo pants will be reduced).

17413 Year JAZZ BAND – (Teacher audition only) – The jazz band meets before school and will perform in at least four concerts and festivals. This group concentrates on jazz and popular styles of music.

18403 Year CONCERT BAND – (Pre-req. at least one year of experience on a band instrument) – This course continues the experience from beginning band. This group will play in at least three concerts and one music festival. The group will meet as woodwinds, brass, and percussion.

18413 Year SYMPHONIC BAND – (Teacher audition only- must have teacher approval to register) This Band continues the experience of the concert band. This group will play in at least four performances a year, including a music festival. The course concentrates on quality band literature that will challenge all students.

16423 Year PERCUSSION - This group requires at least three years piano instruction, or at least two years of previous experience in school band, orchestra, or choir. This class will have percussionists of different skill levels. The class will teach students all basic band percussion instruments, with special emphasis on snare drum, and mallet percussion. The class will NOT address the DRUMSET!

16603 Year ORCHESTRA-BEGINNING - This course provides opportunities for students to develop their musical potential and aesthetic understanding through learning to play orchestral string instruments. Student must rent or own a stringed instrument. A limited number of violas, cellos, and basses are available to rent from Lehi Jr.

17603 Year ORCHESTRA-INTERMEDIATE (Pre-req. one year experience required or teacher approval) This is an ensemble of intermediate to advanced string players directed toward performing the finest in classical and contemporary music.

18603 Year ORCHESTRA-ADVANCED - (Audition and teacher approval required) - Students will be part of an ensemble of intermediate to advanced string players directed toward performing the finest in classical and contemporary music.

19500 Sem. DRAMA 1 - This course introduces the student to the beginning elements of theatre, directing, and performance, with emphasis on self-improvement. The student will study acting and scene performance, characterization, playwriting, staging, pantomime, and hand-to-hand stage combat.

19600 Sem. DRAMA 2 (Pre-req. Drama 1) - An advanced study of acting and performance skills. It covers a deeper level of characterization, staging, directing, and movement. It prepares students to be successful in auditions and performance. It introduces the student to musical theater elements and sword stage combat.

19603 Year DRAMA 2 AUDITIONS – (Pre-req. Drama 1 - audition required) - This class is an advanced study of acting and performance skills. It covers a deeper level of characterization, staging, directing, and movement. Students will learn various styles of acting by participating in three extra performances: musical review, one-acts, and Shakespeare, which includes all elements of musical theater and sword stage combat.

78010 Sem. DANCE 1 - Basic dance techniques, movements, rhythm, and style of modern dance will be taught, as well as dance choreography. Black form-fitted clothing required. Class fee \$3.

78020 Sem. DANCE 2 – (Pre-req. Dance 1) – Intermediate dance techniques and elements of modern dance will be taught as well as dance history, culture, composition, improvisation, and performance skills. Black form-fitted clothing required. Class fee \$3.

78040 Sem. DANCE COMPANY – (Pre-req. Dance 1, audition only) – Advanced dance elements, techniques, creativity, and choreography of most genres of dance will be taught. Each member will choreograph a dance as an art form. Black form-fitted clothing required. Class fee \$3 plus additional fee required for costumes and performances.

41610 Sem. CREATIVE WRITING 2 – (Pre-req. Creative Writing 1 with “B-” average) – Designed for serious writers willing to produce a variety of manuscripts suitable for publication.

19850 Sem. STAGE CRAFT/TECH – (Pre-req. Beginning Drama or Drama 1 - application required) - Students will study theatre lighting, sound, scenery, properties, make-up, stage-management, and other areas of technical theater. The class helps build the set for that semester’s show. Counts as an elective.

52003 Year PRE-ALGEBRA - Pre-algebra is a bridge between arithmetic and algebra. Students will study number systems and number theory and select appropriate methods for numerical computation including paper and pencil methods, estimation, and calculators. They will be introduced to the language of algebra and will use technology and manipulatives to explore abstract algebra concepts informally. Students will use problem-solving skills with real-world problems. **THIS CLASS DOES NOT GIVE MATH CREDIT FOR HIGH SCHOOL GRADUATION.**

77310 Sem. WEIGHT TRAINING – This class is designed for students to tone, shape, and strengthen the body. Students must be prepared to “learn” to write a personalized training program. **This class cannot replace P.E. skills.** Class fee \$3 for towel and lock plus P.E. uniform required-\$15.

77800 Sem. SWIM TEAM - (Try-out required) - This class will cover competitive swimming and water polo. Advanced fitness levels will be developed through aquatic activities. **This class cannot replace P.E. skills.**

91000 Sem. TEACHER AIDE – Must have a cumulative 3.0 GPA or permission from an administrator
Must have signed permission from teacher to register.

91050 Sem. PEER TUTOR - Students will be involved in assisting students, who are disabled, in special education and resource classes of math, English, reading, life skills, and other academic areas. Good attendance is required. This class goes on a few community trips and may require the student to bring a dollar or so occasionally.

47143 Year SPANISH 1 - This class stresses understanding, speaking, reading, and writing in the Spanish language. Stories will be used to learn vocabulary, language structure, and grammar. Oral presentations for each unit will be required. Emphasis will be on pronunciation, speaking, listening, and writing correct Spanish as well as learning about the culture of Spanish-speaking countries. **A minimum 3.0 GPA is recommended for this class.**

47153 Year SPANISH 2 (Pre-req. Spanish 1) – Review of Spanish 1 vocabulary and grammar. Spanish is used almost exclusively in the classroom with emphasis on oral comprehension, oral practice, writing, and reading of stories in Spanish. Cultural studies will continue. Creative projects are incorporated.

47403 Year FRENCH 1 - Students will acquire accurate pronunciation and habits of correct usage of the fundamental patterns of French. They will learn to read and write what they can say. Cultural lessons introduce French lifestyle, geography, cooking, art, and music. Students practice the skills by means of dialogues, reading selections, exercises, and real-life practice. **A minimum 3.0 GPA is recommended for this class.**

47413 Year FRENCH 2 (Pre-req. French 1) - Emphasis is placed upon expansion of vocabulary while stressing reinforcement and amplification of accurate and fluent use of the structural elements of French. Narratives and dialogues are used to learn structure and vocabulary. Students gain an insight into the French culture and appreciation of French attitudes and interests and study French literature and other French speaking countries.

47503 Year GERMAN 1 – This course begins the development of listening, reading, speaking, and writing in

German and the study of the German culture. Emphasis is on the acquisition of basic grammar structures and vocabulary. Students will practice communication skills by means of dialogues and drills, listening and reading selections, and speaking and writing exercises. **A minimum 3.0 GPA is recommended for this class.**

47513 Year GERMAN 2 (Pre-req. German 1) - This course continues the development of listening, reading, speaking, and writing in German and the study of the German culture. Emphasis is on the expansion of grammar structures and vocabulary. Students will practice communication skills by means of dialogues and drills, listening and reading selections, and speaking and writing exercises.

56020 Sem. COMPUTER SCIENCE 1 (Pre-req. - Computer Literacy-Beginning and enrollment in or completion of Algebra 1) - This course teaches the fundamentals of programming, flow-charting, writing, and debugging programs. Students will learn to program in a structured environment using the BASIC and PASCAL programming languages. Strong math skills are important. **This is an honors-level class.** Class fee \$10.

56030 Sem. COMPUTER SCIENCE 2 (Pre-req.- Computer Science 1) - This course is an extension of computer Science 1 with in-depth programming. Operating systems are also part of this course. Class fee \$10.

96010 Sem. COMPUTER LITERACY – INTERMEDIATE – (Pre-req. – Computer Literacy Beginning) This is a course for students who are interested in ways to use computers as a tool. Programming will be reviewed. Desktop publishing, databases, spreadsheets, graphics, presentations and multi-media will be stressed. Web page creation software will be introduced and web ethics also will be stressed. Class fee \$10

80303 Year AGRICULTURAL/SCIENCE TECH 1 – An introductory course in agricultural business, plant and animal sciences, agricultural mechanics, food science, and natural resources that generally prepare individuals to apply the principles involved in the organization, operation, and management of agricultural careers. Class fee \$10.

82060 Sem. TEEN LIVING - This course helps students understand and cope with personal, family, and social challenges. Emphasis is placed on communicating, developing decision-making skills, and building stable relationships with family and peers. It also promotes an understanding of self and critical issues that impact teenagers, like self-concept, family and peer relations, abuse, grief, dating, and pregnancy. Class fee \$10.

82300 Sem. CLOTHING 1 – It is suggested that students take FACS Exploration Clothing prior to this class. Students will develop clothing construction and consumer skills. Fabric selection, alteration, recycling, fitting, creative designing, and fashion may be explored in this course. Basic sewing equipment will be needed. Students will purchase their own fabric for the class projects which will include samples, pants, quilted bag, and a small quilt. Class fee \$10.

82400 Sem. FASHION STRATEGIES – Personal fashion types are explored, with emphasis on individual characteristics, silhouettes, grooming, and wardrobe planning. Students learn to identify fashion trends and fads as compared to classic styles. Fashion careers, history, color, and design principles are included in this course. Fee \$10.

82500 Sem. FOODS 1 - This course is designed to teach the advanced concepts of nutrition and how it affects the health of individuals and families. Instruction is also given in the care of food, meal management, food patterns, and food needs. Consumer skills are emphasized. Class fee \$10.

88100 Sem. INTRODUCTION TO TECHNOLOGY - Students will be introduced to the technological systems of aerospace, communications, construction, energy/power/transportation, manufacturing, and biotechnology. The course emphasis is on exploration activities using computers, technology equipment, and manufacturing tools. Class fee \$10 plus project fee \$24.

88110 Sem. INTERMEDIATE TECHNOLOGY (Pre-req. Intro to Tech Ed) - This course builds on the concepts introduced in the Introduction to Technology Education course. Students will further explore the technology systems of aerospace, energy/power/transportation, construction, manufacturing, and communications. Equipment use in a shop environment will be a part of this course. Class fee \$10 plus project fee \$20.

88510 Sem. MANUFACTURING TECHNOLOGY 1 - woods environment - (Pre-req. Interm. Tech Ed.) This course introduces basic skills centered around hands-on problem solving experiences related to the tools and processes used in the manufacturing industry in a woods environment, including: steam bending, wood laminating. Class fee \$10 plus project fee \$27.

88520 Sem. MANUFACTURING TECHNOLOGY 2 – metals environment - (Pre-req. Interm. Tech) This course expands on the concepts and skills learned in Intermediate Technology 1. Students will gain continued and more in-depth instruction via hands-on activities in a metals environment. Class fee \$10 plus project fee \$20.

88310 Sem. COMMUNICATIONS TECHNOLOGY - Activities may include laser and fiber optic systems, design and drafting, CAD, electronics, photography, satellite and space technology, graphic arts, and audio/visual technology. This is a self-motivated class. Class fee \$10 plus project fee \$14.