

# 9th Grade Class Descriptions

## SHMS 9<sup>th</sup> GRADE CLASS SELECTIONS

### **REQUIRED CLASSES**

#### TEACHER ADVISORY (TA)

This course provides an opportunity for students to establish a positive relationship with an adult role model in the school, to engage in silent sustained reading, to participate in character education and to focus on study skills. Teachers provide students with academic support in a mentorship environment. Participation in this class will help to enhance the core curriculum and to create a more positive environment in the school. Students have the opportunity to earn .25 credits per semester based on participation in all Teacher Advisory activities.

### **LANGUAGE ARTS (FULL YEAR)**

#### 45420 - LANGUAGE ARTS 9

This course, based on the 9th Grade Utah English Language Arts (ELA) Core Standards, is designed for grade level instruction in reading comprehension, writing, methods of inquiry, and the processes, skills, and strategies for effective communication.

#### 45430 - LANGUAGE ARTS 9H

This course, based on the 9th Grade Utah English Language Arts (ELA) Core Standards, is designed for students who qualify for more advanced instruction in reading comprehension, writing, methods of inquiry, and the processes, skills, and strategies for effective communication.

### **SCIENCE (FULL YEAR)**

#### 30040 - BIOLOGY H (REQ. PREREQUISITE)

The Biology Core includes three major concepts for instruction. (1) The structures in all living things occur as a result of necessary functions. (2) Interactions of organisms in an environment are determined by the biotic

and abiotic components of the environment. (3) Evolution of species occurs over time and is related to the environment in which the species live. Students will be expected to design investigations in the laboratory and field using research technologies.

### 31010 - EARTH SCIENCE

The theme for Earth Science is systems as an organizing concept to understand life on Earth, geological change, and the interaction of atmosphere, hydrosphere, and biosphere. Earth's place in the universe, internal structure, atmospheric processes, and resources are explored to help students understand how Earth Science interacts with society.

### 31020 - EARTH SCIENCE HONORS

The Earth and Space Science, Science with Engineering Education Standards (SEEd) investigate processes and mechanisms that have resulted in the formation of our Earth, galaxy, and universe. Students develop models to illustrate the life span of the Sun and the role of nuclear fusion releasing energy in the Sun's core. Students analyze and interpret data to construct an explanation for Earth's 4.6 billion year history and explore changes to Earth's systems. Students develop and use a model of Earth's interior to describe the cycling of matter by thermal convection. Students plan and carry out an investigation on the properties of water to determine its effects on Earth materials. Students use computational thinking to explain sustainable and natural resources, focusing on responsible stewardship. Additionally, students design and evaluate solutions to problems that exist in these areas

## **GEOGRAPHY (FULL YEAR)**

### 60210 - WORLD GEOGRAPHY

This course introduces students to cultural and physical geography. The framework of this course is the five themes of geography—location; place; human interaction with the physical environment; the impact of movements of people, ideas, and things; and similarities and differences within and between regions. In addition, the course emphasizes critical, causal, interpretive and reflective thinking skills through observing, reading, writing, listening, speaking, and problem solving.

### 61260 - HUMAN GEOGRAPHY AP (REQ. PREREQUISITE)

This college level course covers the nature and perspectives of geography, population, cultural patterns and processes, political organization of space, agricultural and rural land use, industrialization and economic development, and cities and urban land use. University credit can be earned with a successful performance on the Advanced Placement (AP) exam.

## **MATH (FULL YEAR)**

### 53000 - SECONDARY MATH 1

Students in Secondary Mathematics 1 will deepen and extend their understanding of linear relationships, in part by contrasting them with exponential phenomenon, and in part by applying linear models to data that exhibit a linear trend. Students will use properties and theorems involving congruent figures to deepen and extend their understanding of geometric knowledge. Algebraic and geometric ideas are tied together. Students will experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problems and situations.

### 53010 - SECONDARY MATH IH (REQ. PREREQUISITE)

Students in Secondary Mathematics 1 Honors will deepen and extend their understanding of linear relationships, in part by contrasting them with exponential phenomenon, and in part by applying linear models to data that exhibit a linear trend. Students will use properties and theorems involving congruent figures to deepen and extend their understanding of geometric knowledge. Algebraic and geometric ideas are tied together. Students will experience mathematics as a coherent, useful, and logical subject that makes sense of problem situations. Honors students will represent quantities, model, and perform operations using vectors and use matrices to perform operations and solve problems.

### 53110 - SECONDARY MATH 2H (REQ. PREREQUISITE)

Students in Secondary Mathematics 2 Honors will focus on quadratic expressions, equations, and functions, extend the set of rational numbers to the set of complex numbers, link probability and data through conditional probability and counting methods, study similarity and right triangle trigonometry, and study circles with their quadratic algebraic representations. Honors students will also represent complex numbers and their operations on the complex plane, solve systems of equations, prove and apply trigonometric identities, express conic sections algebraically, and solve problems using volume measurements.

## **PHYSICAL EDUCATION (semester)**

### 70301 - PST

This course focuses on demonstrating the ability to plan and implement different types of personal fitness programs, demonstrate competency in lifetime activities, describe key concepts associated with successful participation in physical activity, model responsible behavior while engaged in physical activity, and fill a need for self expression, challenge, social interaction and enjoyment. This class is required for graduation.

## **ELECTIVE CLASSES (FULL YEAR)**

### 13020 - ORCHESTRA I

This class is for students who would like to learn to play a violin, viola, cello, or string bass. No experience necessary. Practice outside of class time and performances are part of this course. Instruments are required. If available, a viola, a cello, or a string bass may be rented from the school for a nominal fee.

### 13030 - ORCHESTRA II

This is an intermediate level orchestra class focusing on intermediate level literature for orchestra. Rehearsals and performances outside of class time are part of the course requirements and will constitute a portion of the grade. Practice outside of class time with instruments is required. If available, a viola, a cello, or a string bass may be rented from the school for a nominal fee.

### 13040 - ORCHESTRA III (REQ. PREREQUISITE)

This is an orchestra class focusing on advanced level literature for orchestra. Rehearsals and performances outside of class time are part of the course requirement and will constitute a portion of the grade. Practice outside of class time with instruments is required.

### 13060 - BEGINNING WOODWINDS

This is a beginning band class offered for students who wish to learn to play the flute, oboe, clarinet or saxophone. Practice outside of class time and performances are part of this course. An instrument is required. If available, an oboe or tenor saxophone may be rented at the school for a nominal fee.

### 13070 - BEGINNING BRASS

This is a beginning band class offered for students who wish to learn to play the cornet, trumpet, French horn, baritone horn, euphonium, trombone, or tuba. Practice outside of class time and performances are part of this course. An instrument is required. If available, a French horn, baritone horn, euphonium, or tuba may be rented at the school for a nominal fee.

### 13080 - BEGINNING PERCUSSION

This is a beginning band class offered for students who wish to learn to play the drums, mallet keyboard instruments, and other percussion related instruments. Practice outside of class time and performances are part of this course. Drum sticks are required. A drum kit or mallets may also be required as per teacher request.

### 13462 - PERCUSSION II (REQ. PREREQUISITE)

This is an intermediate level band course that encourages increased technical and expressive musical proficiency through performance and study of music. Rehearsals and performances outside of class time are part of the course requirement and constitute a portion of the grade. Practice outside of class time with an instrument is required.

### 13351 - CONCERT CHOIR (REQ. PREREQUISITE)

This is an advanced vocal music group that is designed for students to sing advanced choral literature and build more techniques in singing. Rehearsals and performances outside of class time are part of the course requirements and constitute a portion of the grade.

### 13460 - CONCERT BAND (REQ. PREREQUISITE)

This is an intermediate level band course that encourages increased technical and expressive musical proficiency through performance and study of music. Rehearsals and performances outside of class time are part of the course requirement and constitute a portion of the grade. Practice outside of class time with an instrument is required. If available, an oboe, bass

clarinet, bassoon, tenor saxophone, baritone saxophone, French horn, baritone horn, euphonium, or tuba may be rented at the school for a nominal fee.

### 13330 - WOMEN'S INTMD CHOIR

This is a vocal music course open to all students with soprano or alto vocal ranges. Two, three or four-part music is performed at various concerts. Primary consideration is given to part-singing, good vocal production, and rudiments of music. Rehearsals and performances outside of class time are part of the course requirements and constitute a portion of the grade.

### 13490 - SYMPHONIC BAND

This is an advanced course which performs varied, advanced level music. Attendance is required at all rehearsals and performances. Rehearsals and performances outside of class are part of the course requirement and constitute a portion of the grade. Practice outside of class time with an instrument is required. If available, an oboe, bass clarinet, bassoon, tenor saxophone, baritone saxophone, French horn, baritone horn, euphonium, or tuba may be rented at the school for a nominal fee.

### 41000 - FRENCH I

This course is designed to teach elementary skills in listening, speaking, reading, and spelling. The curriculum covered in this course will give students the skills to communicate in culturally appropriate ways in the target language. By the end of this course, student skill level should be at novice mid level according to the American Council on the Teaching of Foreign Language (ACTFL) standards. Students will develop an appreciation for the culture of the countries where the language is spoken.

### 41010 - FRENCH II (REQ. PREREQUISITE)

This course is designed to teach intermediate skills in listening, speaking, reading, and spelling. The curriculum covered in this course will give students the skills to communicate in culturally appropriate ways in the target language. By the End of this course, student skill level should be at novice high level according to the American Council on the Teaching of Foreign Language (ACTFL) standards. Students will develop an appreciation for the culture of the countries where the language is spoken.

### 41030 - FRENCH 3H (REQ. PREREQUISITE)

This course is designed to teach intermediate skills in listening, speaking, reading, and spelling. The curriculum covered in this course will give students the skills to communicate in culturally appropriate ways in the target language. By the end of this course, student skill level should be at intermediate-low level according to the American Council on the Teaching of Foreign Language (ACTFL) standards.

### 41800 - SPANISH I

This course is designed to teach elementary skills in listening, speaking, reading, and spelling. The curriculum covered in this course will give students the skills to communicate in culturally appropriate ways in the target language. By the end of this course, student skill level should be at novice mid level according to the American Council on the Teaching of Foreign Language (ACTFL) standards. Students will develop an appreciation for the culture of the countries where the language is spoken.

### 41810 - SPANISH II (REQ. PREREQUISITE)

This course is designed to teach intermediate skills in listening, speaking, reading, and spelling. The curriculum covered in this course will give students the skills to communicate in culturally appropriate ways in the target language. By the End of this course, student skill level should be at novice high level according to the American Council on the Teaching of Foreign Language (ACTFL) standards. Students will develop an appreciation for the culture of the countries where the language is spoken.



### 41830 - SPANISH 3H (REQ. PREREQUISITE)

This course is designed to teach advanced skills in listening, speaking, reading, and spelling. The curriculum covered in this course will give students the skills to communicate in culturally appropriate ways in the target language. By the end of this course, student skill level should be at intermediate-low level according to the American Council on the Teaching of Foreign Language (ACTFL) standards.

### 06000 - RELEASE TIME (FULL OR SEMESTER)

LDS Seminary

## **ELECTIVE CLASSES (SEMESTER)**

### 00011 - STUDENT AIDE (APPLICATION REQUIRED)

This is a full year or semester course that offers students a unique experience working with teachers. This position provides an opportunity to observe and model an adult at work. It provides a wide range of learning opportunities in areas such as life skills, human development, and career exploration. Teacher aides experience the opportunity to practice reliable citizenship and social skills as they interact with peers, school staff and the general public.

### 02071 - PEER TUTOR (APPLICATION REQUIRED)

Students in this course work under the supervision of Special Education teachers in assisting students who have special needs or disability conditions. It is designed for individuals who are interested in pursuing a career in fields such as in education, sociology, psychology, or social work. Because Peer Tutors are placed in a position of trust, they are expected to be highly responsible and mature in judgment.

### 10251 – DIGITAL ART

This course is designed to provide an enhanced experience with the artistic issues of Foundations 1 through two dimensional art that is not usually included with drawing, painting, and/or printmaking. These nontraditional art media would include (but not be limited to): photo, computer and digital art, collage, photo copy manipulations, and animations. This course is mainly directed towards the effective use of the elements and principles of design.

### 10261 - ART I

Art Foundations 1 provides an overview of visual arts while studying a broad variety of art tools and materials. With an emphasis on studio production, this course is designed to develop higher level thinking, art related technology skills, art criticism, art history, and aesthetics.

### 10271 - ART II

Art Foundation 2 provides an overview and introduction to visual arts through studying a variety of art tools and materials. This course builds on Foundations 1 with a more in depth experience with fewer art forms. This course is designed to develop higher level thinking, art related technology skills, art criticism, art history, and aesthetics, with an emphasis on studio production.

### 10291 - CERAMICS I

Ceramics develops basic skills in the creation of 3D forms and pottery from clay. Techniques in hand building, wheel throwing, basic glazing, and firing are taught. With an emphasis on studio production, this course is designed to develop higher level thinking and art related technology skills. Some art criticism, art history, and aesthetics may be included.

### 10301 - CERAMICS II

This is an intermediate course that builds upon the concepts and skills learned in Ceramics 1. Students will consistently produce quality pieces of ceramics.

### 10331 – SCULPTURE

Sculpture is an overview of basic skills used to create 3D works of art. Both additive and subtractive techniques will be taught. With an emphasis on studio production, this course is designed to develop higher level thinking skills and art related technology skills. Some art criticism, art history, and aesthetics may be included.

### 10441 - DRAWING I

Drawing focuses on black and white or monochromatic rendering from life, pictures, masterworks, and imagination. This course is designed to develop higher level thinking and art related technology skills with an emphasis on studio production. Some experiences in art criticism, art history, and aesthetics may be included.

### 10451 - DRAWING II

This is an intermediate course in drawing that builds on the skills and concepts taught in Drawing 1. The use of value is emphasized. Atmospheric perspective and accurate shading are studied along with composition.

### 10461 – PAINTING

Painting 1 includes wet and dry color media with processes such as transparent and opaque painting focusing on the properties of color. Techniques with color media mixing and application will be covered. With an emphasis on studio production, this course is designed to develop higher level thinking skills and art related technology skills. Some art criticism, art history, and aesthetics may be included.

### 16001 - INTRO TO THEATER

This is an introductory course in theatre with an emphasis on performance and playwriting. No previous experience is necessary. The course will include, but not be limited to, improvisation, monologues, characterization, movement, playwriting, and work with voice projection and diction. Other skills learned and developed include critical thinking, rehearsal skills, plot structure, reading, writing, and cooperative group work.

### 16011 - ACTING (THEATRE II)

This is an intermediate course in theatre with an emphasis on performance and playwriting. The course will include, but not be limited to, playwriting, characterization, monologues, scenes from plays, movement, voice projection and diction, and improvisation. Other skills learned and developed include critical thinking, rehearsal skills, plot structure, reading writing, and cooperative group work.

### 16015 - MUSICAL THEATRE (REQ. PREREQUISITE)

This is an intermediate course in theatre with an emphasis on performance and playwriting. The course will include, but not be limited to, playwriting, characterization, monologues, scenes from plays, movement, voice projection and diction, and improvisation. Other skills learned and developed

include critical thinking, rehearsal skills, plot structure, reading writing, and cooperative group work. It covers three and four-part music and a review of singing fundamentals. Rehearsals and performances outside of class time are part of the course requirements and constitute a portion of the grade.

### 46551 - CREATIVE WRITING

This course, based on Utah English Language Arts (ELA) Core Writing Standards, is designed to introduce students to imaginative composition with the writing of personal experiences, character sketches, short fiction, and poetry. Students will have the opportunity to prepare manuscripts for publication, awards, and scholarships.

### 71461 - DANCE 1

This course offers basic dance techniques, fitness fundamentals, movement qualities, and rhythm with an emphasis on creativity, sequencing, and problem solving.

### 71471 - DANCE 2

Recommended Prerequisite: Dance 1 or instructor approval. A course designed to develop dance techniques, flexibility and coordination, with an emphasis on creativity and artistic composition. There will be performances outside of class time that are part of the course requirements, and they will constitute a portion of the grade.

### 71290 - MINDFULNESS YOGA

This class focuses on structural alignment, increase of strength and flexibility. It will deepen a student's awareness of breath and the role it has in generating energy and stamina in one's mind and body. The course will also incorporate techniques for stress relief, and enhance one's physical performance by teaching students how to connect breath, organ systems, physiology and anatomy all together.

### 80451 - MANUFACTURING TECH/WOODS I

This is a hands-on course that introduces students to changing raw materials into a finished product. Examples of these materials are, but are not limited to, woods, metals, and plastics. This course will also explore the many careers associated with the manufacturing process.

### 83160 - BUSINESS OFFICE SPECIALIST

This course applies advanced concepts and principles using word-processing, spreadsheets, databases and electronic presentation software. Students will integrate applications learned.

### 81380 - PYTHON CODING INTRO 1

Introduction to the Python coding language: Suitable for students who are new to coding. All coding with a focus on mastering the Python programming language.

### 81390 - PYTHON CODING INTRO 2

Continued mastery of the Python coding language, suitable for students who have taken Python Coding intro 1. All coding with a focus on mastering the Python programming language.

### 83470 - EXPLORING BUSINESS AND MARKETING

Students will be exposed to the fundamental concepts of marketing. Skills include basic business concepts, organizational communication, human resources management, entrepreneurship, accounting, finance, and leadership.

### 87001- CHILD DEVELOPMENT

This course covers the development of a child from conception through adolescence. This course includes the following topics: reproductive tracts, prenatal development and care, healthy lifestyles conducive to healthy pregnancies, birth defects, and the development and care of children throughout childhood. Guidance and discipline techniques and the physical, social, and emotional development of children will also be examined. The student learns both how and why a child grows and develops. This class is a prerequisite for any of the higher-level child development courses.

### 87280 - SPORTS SEWING

This course covers basic sewing skills while completing a variety of projects. This course emphasizes the construction of sports and outdoor clothing. Students start with easy projects like sewing boxer shorts and progress to ski wear, sweats, zippered bags, camo shirts, pants, and polar fleece jackets. Subjects such as: clothing care, maintenance and textile information are covered. Projects are individually selected.

### 87501 - FOODS & NUTRITION I

This introductory course is designed for students who are interested in understanding the principles of nutrition and in maintaining a healthy lifestyle. Attention will be given to selection and preparation of food and personal health and wellbeing.

### 91800 - EXPLORING COMPUTER SCIENCE

This course is designed to introduce students to the breadth of the field of computer science through an exploration of engaging and accessible topics. Rather than focusing the entire course on learning particular software tools or programming languages, the course is designed to focus the conceptual ideas of computing and help students understand why certain tools or languages might be utilized to solve particular problems. The goal of the course is to develop in students the computational thinking practices of algorithm development, problem solving, and programming with the context of problems that are relevant to the lives of today's students. Students will also be introduced to topics such as interface design, limits of computers as well as societal and ethical issues. This course may be used as CTE or Digital Studies credit.

## **CHINESE DLI (DLI STUDENTS ONLY)**

### 41900 - DLI CHINESE 5H

This course continues the development of communication by integrating speaking, listening, reading and writing around AP Themes and Tasks. Cultural comparison, authentic readings, persuasive essay practice and class discussions are used to teach structure and vocabulary. Students have the opportunity to take the AP exam at the end of the course. For dual immersion students only.

### 41963/64 - CHINESE CULTURE AND MEDIA (FULL YEAR OR SEMESTER)

This course is specifically designed for students who have completed an elementary school Dual Language Immersion program. It is designed to build skills in cultural-linguistic competencies necessary for successful communication with native speakers. Students utilize media and authentic texts to learn about the diverse cultural products, practices and perspectives of countries. This course begins preparation for the Advanced Placement Chinese exam.