

# Kaysville Junior High

## Complete Course Descriptions for 2020-2021

### Required Courses

Counseling  
Office  
801.402.7207

Mr. Brown  
A to H

Mrs. Stephens  
I to R

Ms. Erickson  
S to Z

Mrs. Wilko  
Secretary

Course Index

Assistants

English

Fine Arts

Foreign  
Language

Math

Miscellaneous  
Electives

Physical  
Education

Resource

Science

Social Studies

Career and  
Technical  
Education

#### 7th Grade

English 7

or

English 7 Honors

Grade 7 Math

or

Grade 7 Math Honors

or

Math Honors Accelerated

Integrated Science 7

or

Integ. Science 7 Honors

Utah Studies

or

Utah Studies Honors

Beginning Fitness 7

College & Career  
Awareness

Fine Arts

1 credit between 7th and 8th grades

#### 8th Grade

English 8

or

English 8 Honors

Grade 8 Math

or

Grade 8 Math Honors

or

Secondary Math I Honors

Integrated Science 8

or

Integ. Science 8 Honors

U.S. History

or

U.S. History Honors

Intermediate Fitness 8

Digital Literacy

Health Education

Fine Arts

1 credit between 7th and 8th grades

#### 9th Grade

English 9

or

English 9 Honors

Secondary Math I

or

Secondary Math I Honors

or

Secondary Math II Honors

Earth Systems

or

Biology

or

AP Environmental Science

(must be taken with AP Human Geog)

World Geography

or

AP Human Geography

Physical Education

1.5 credits needed for graduation



# ASSISTANTS

## **Office Assistant**

Semester or Full Year - 210

Grades 8, 9

Required: Secretary Permission

Graded on pass/fail

The Office Assistant will be under the direction of the secretaries. Duties include checking students in and out of school, recording attendance, assisting the public at the counter, and learning to use the intercom and phones. It may also include sorting mail, filing, copying, and other duties assigned by office staff. Outstanding attendance is a must.

## **Teacher Assistant**

Semester or Full Year – 211

Grades 8, 9

Required: Teacher permission

Graded on pass/fail

The teacher assistant will be under the direction of one teacher. The teacher will assign duties to the assistant as needed.

## **Counseling Assistant**

Semester – 212

Grades 8, 9

Required: Counselor permission

Graded on pass/fail

The counseling assistant will be under the direction of the Counseling Department. The counselors will assign duties to the assistant as needed.

## **Library Media Assistant**

Semester or Full Year – 215

Grades 8, 9

Required: Librarian permission

Graded on pass/fail

Media Assistant is designed for students who enjoy a variety in their daily tasks, who are computer literate and like to read. In-class assignments include checking in and checking out of books, shelving books and completing errands and tasks for a variety of teachers.

## **Peer Tutor**

Semester or Full Year – 213

Grades 8, 9

Required: Teacher Permission

Grade received for this course

A peer tutor will assist the teacher by helping a student understand the concepts taught, answering their questions, and any other duties assigned by the teacher.

## **Peer Tutor – Functional Skills**

Semester or Full Year – 213

Grades 8, 9

Required: Teacher Permission

Grade received for this course

A peer tutor will assist the functional skills teacher, and act as a trainer and advocate for students with disabilities. Students should be mature, hard-working, self-motivated, and have a positive attitude.

# ENGLISH

## **English 7**

Full Year – 4000

Grade 7

English 7 conforms to the State Core Standards as outlined in the Davis School District DESK guidelines. Emphasis is on reading, writing, and oral language. The class includes spelling, research, vocabulary, grammar usage and mechanics. Reading emphasis is on literal and interpretive skills, making inferences, drawing conclusions, and summarizing.

## **English 7 Honors**

Full Year – 4005

Grade 7

English 7 Honors conforms to the State Core Standards as outlined in the Davis School District DESK guidelines. Emphasis is on reading, writing, and oral language. The class includes vocabulary, research, grammar usage and mechanics. Reading emphasis is on literal and interpretive skills, making inferences, drawing conclusions, and summarizing, with special attention to classics and challenging literary and informational text. Outside reading may be required.

## **Enriched Reading**

Semester – 4230

Grade 7

This course will be an intensive study of research-based reading comprehension strategies, adaptive vocabulary development and the application of critical thinking skills. Emphasis is placed on reading skills, annotation techniques, and text structure strategies. Students will read a variety of informational text and apply reading strategies taught in class to analyze and evaluate text across a variety of content areas.

## **English 8**

Full Year – 4030

Grade 8

English 8 continues the development of skills previously taught in 7<sup>th</sup> grade and follows the State Core Standards as outlined in the Davis School District DESK guidelines. Emphasis is placed on meeting the State Core for language arts through literature, informational text, vocabulary, research skills, listening, writing, and speaking.

## **English 8 Honors**

Full Year – 4035

Grade 8

English 8 Honors is a continuation of the rigorous curriculum introduced in 7<sup>th</sup> grade. It conforms to the State Core Standards as outlined in the Davis School District DESK guidelines. Rigorous and challenging text will help develop higher level and critical thinking skills. Outside reading may be required. 7<sup>th</sup> grade honors is not required.

## **English 9**

Full Year – 4055

Grade 9

English 9 conforms to the State Core Standards as outlined in the Davis School District DESK guidelines. Emphasis is on reading, writing, and oral language. The class includes vocabulary, research, grammar usage and mechanics. Reading emphasis is on literal and interpretive skills, making inferences, drawing conclusions, and summarizing, with special attention to classics and challenging literary and informational text.

## **English 9 Honors**

Full Year – 4060

Grade 9

English 9 Honors follows the State Core Standards and the Davis School District DESK guidelines. In addition to the above-mentioned skills, this class will also include development of higher level and critical thinking skills. An emphasis will be placed on informational text, expository writing, and classic literature. This course is a rigorous academic challenge for students who plan to take part in future honor and AP classes. Outside reading is required.

## **Creative Writing 1**

Semester – 4335

Grades 7, 8, 9

May only be taken once

Creative Writing provides an opportunity for creativity through writing of poetry, short stories, and narratives. It will help the student develop skills in the structure of narrative writing. Students may be asked to publish their work in a variety of ways.

## **Yearbook**

Full Year - 4365

Grades 8, 9

School Yearbook covers the basic skills needed to produce a yearbook, including photography, writing and reporting, graphic design, printing, and ethics. Students will produce the school's yearbook.

# FINE ARTS

## *Visual Arts*

### **Art Foundations 1**

Semester – 2101

Grades 7, 8

Art Foundations will place emphasis on the art elements of shape, form, value, line, color, texture and perspective. The elements will be explored and used in a wide variety of art projects. A wide range of art mediums will be implemented into works of art. This class is a prerequisite for Advanced Art, Painting and Drawing.

**A school board approved fee is associated with this class.**

### **3-D Art**

Semester – 2104

Grades 7, 8 **NO** prerequisite required

This course is designed to provide an experience with art foundations through 3-D art. The media in this course will include drawing and in three-dimension and sculpting/creating with a variety of materials.

**A school board approved fee is associated with this class.**

### **Beginning Drawing**

Semester - 2101

Grade 7, 8

Beginning drawing will focus on learning the basics of drawing such as shading, form, use of space and perspective. Students will assemble and create drawings by manipulating art media and by organizing images with the elements and principles of art. Students will use a variety of media to draw with such as pencil, colored pencil, markers etc.

**A school board approved fee is associated with this class.**

### **Advanced Art**

Semester – 2103

Grade 8

Prerequisite: Art Foundations 1

This course is designed to provide an enhanced experience with the artistic issues of art foundations. There is a continued emphasis on studio production as the application of the elements and principles of art are practiced with larger and more complex projects. A wide variety of art materials will be used.

**A school board approved fee is associated with this class.**

### **Art Foundations 9**

Semester – 2105

Grade 9

Art Foundations 9 places an emphasis on art elements and principles. Drawing and painting in 2-D and 3-D along with sculpting/creating with a variety of art materials will be done.

**A school board approved fee is associated with this class.**

### **Drawing 1**

Semester – 2110

Grade 9

Prerequisite: Art Foundations 1

Drawing focuses on black and white or monochromatic rendering from life pictures, master works and imagination. With an emphasis on studio production, this course is designed to develop higher-level thinking and problem solving. This class requires the student to already have some skill and knowledge with drawing and shading.

**A school board approved fee is associated with this class.**

## **Painting 1**

Semester – 2107

Grade 9

Prerequisite: Art Foundations 1

This course is centered on using color to define form and create textural illusions using paint. A variety of paint types will be used as works of art are created on canvas and papers. May need to purchase some personal paints. This class requires the student to already have some skill and knowledge about painting.

**A school board approved fee is associated with this class.**

## ***Choir***

### **Chimes**

Year – 2306

Grades 7, 8, 9

Prerequisite: 2+ years piano lessons or chimes experience.

Designed to teach the coordination and performance skills of Hand Chimes. Performances outside of class will be required. Emphasis: Note reading and rhythm reading, interpretation of musical symbols and musical interpretation.

**A school board approved fee is associated with this class.**

### **Beginning Ukulele**

Semester – 2316

Grades 8, 9

May only be taken once

This course introduces basic ukulele playing technique, along with beginning note reading and music theory. Students must provide their own ukulele.

**A school board approved fee is associated with this class.**

### **Choir 1 - Beginning Choir**

Semester or Full Year – 2301

Grade 7, 8, 9

Beginning Choir is an introduction to music and the beginning of vocal training. Concepts learned will include listening, performing, creating, analyzing, and exploring career possibilities. Students will have opportunities to experience choral music rehearsals and performances.

**A school board approved fee is associated with this class.**

### **Choir 2 – Knight Lights**

Full Year – 2307

Grades 8, 9

Knight Lights will address refinement of choral skills, higher level thinking skills, and aesthetic judgment.

Emphasis on ensemble performance, musical styles, historic periods, choral literature, chamber music, and creative development.

**A school board approved fee is associated with this class.**

### **Choir 3 – A Capella**

Full Year – 2310

Grades 8, 9

Required: Teacher permission or tryouts

This class will be an advanced class consisting of boys and girls, specializing in the a capella style of music.

**A school board approved fee is associated with this class.**

### **Choir 3 – Choraliers**

Full Year – 2310

Grades 8, 9

Required: Teacher permission or tryouts

This class will consist of a select number of students through audition. This course will address refinement of choral skills, higher level thinking skills, and aesthetic judgment. Emphasis on ensemble performance, musical styles, historical periods, choral literature, chamber music, and creative development. Extra performances will be required.

**A school board approved fee is associated with this class.**

### **Choir 3 – Nightingales**

Full Year – 2310

Grades 8, 9

Required: Teacher permission or tryouts

This class will consist of girls with treble voices. This course will address refinement of choral skills, higher level thinking skills, and aesthetic judgment. Emphasis on

ensemble performance, musical styles, historical periods, choral literature, chamber music, and creative development. Extra performances will be required.

## ***Band***

### **Band 1 – Brass**

Full Year – 2204

Grades 7, 8

Band 1- Brass is beginning instruction in playing a brass instrument. Emphasis is on tone production, note reading, and basic skills of playing a musical instrument. No musical experience is necessary. Instruments include Trumpet, Trombone, French Horn, Baritone/Euphonium, and Tuba (the French horn, Baritone/Euphonium, and Tuba are available to rent from the school for \$95 per year). Summer Band is encouraged but not required.

**A school board approved fee is associated with this class.**

### **Band 1 – Woodwind**

Full Year – 2205

Grades 7, 8

Band 1 Woodwind is beginning instruction in playing a woodwind instrument. Emphasis is on tone production, note reading, and basic skills of playing a musical instrument. No musical experience is necessary. Instruments include Flute, Clarinet, Saxophone, Oboe, Bassoon, and Bass Clarinet (the Oboe, Bassoon and Bass Clarinet are available to rent from the school for \$95 per year). Summer Band is encouraged but not required.

**A school board approved fee is associated with this class.**

### **Band 1 – Percussion**

Full Year – 2206

Grade 7

Prerequisite: Musical audition required.

Band 1 Percussion is beginning instruction in playing percussion instruments. Emphasis is on technique, rudiments, note, and rhythm reading. Practice snare pads and bells are emphasized. Drum set instruction is minimal. Musical experience on the piano is highly recommended, but not necessarily required for this class. Students interested in Percussion class must audition. Students interested in auditioning for percussion need to sign up for band (either Brass or Woodwind) and percussion audition information will be provided after registration.

**A school board approved fee is associated with this class.**

### **Band 2 – Brass/Woodwinds**

Full Year – 2210

Grades 8, 9

Band 2- Brass/Woodwinds will be an expansion of skills and knowledge learned in the beginning class. Emphasis is on personal skill development, improvement in note & rhythm reading, and tone production. Festivals and solo experiences are introduced at this level.

**A school board approved fee is associated with this class.**

### **Band 2 – Percussion**

Full Year – 2213

Grades 8, 9

Required: Tryouts

Band 2 – Percussion will be an expansion of skills and knowledge learned in the beginning class. Emphasis is on personal skill development, improvement in note reading and rhythm reading. Additional percussion instruments are taught at this level as well as festivals and solo experiences. The full band experience will be at concerts and festivals.

**A school board approved fee is associated with this class.**

### **Band 3 – Advanced**

Full Year – 2220

Grades 8, 9

Required: Tryouts

Refinement of musical skills, higher levels of performance, aesthetic judgment and music appreciation are emphasized at this level. Ensemble performances, musical styles, historical period, band literature, chamber music, solo and ensembles, and creative development are a priority.

**A school board approved fee is associated with this class.**

### **Band 3 – Advanced Percussion**

Full Year – 2224

Grade 9

Required: Tryouts

Band 3- Percussion will be an expansion of skill and knowledge learned in the intermediate class. Emphasis is on personal skill development, improvement in note & rhythm reading. Refinement of musical skills, higher levels of performance, aesthetic judgment and music appreciation are emphasized at this level. Ensemble performances, musical styles, solo and ensembles and creative development are a priority. Festivals and solo experiences are introduced at this level.

**A school board approved fee is associated with this class.**

## ***Orchestra***

### **Orchestra 1**

Full Year – 2405

Grades 7, 8, 9

Orchestra 1 provides meaningful experiences in music playing orchestral string instruments. Emphasis will be on playing position, basic tone production, rhythmic precision, interpretation of music symbols, bowing techniques, and care of the instrument. 6<sup>th</sup> grade orchestra class or summer private lessons are strongly encouraged.

**A school board approved fee is associated with this class.**

### **Orchestra 2**

Full Year – 2406

Grades 8, 9

Prerequisite: Orchestra 1

Orchestra 2 reinforces and expands upon the concepts learned in Beginning Orchestra. Emphasis will be placed on developing bowing techniques, finger patterns, musical notation, and interpretation of musical signs. Festivals and solo experiences are introduced at this level. The full orchestra experience is introduced during the fourth term.

**A school board approved fee is associated with this class.**

## ***Theatre***

### **Theatre 1**

Semester – 2502

Grades 7, 8, 9

May only be taken once.

Theater 1 will introduce speaking and performing techniques to enhance the students understanding of voice, stage presence, and basic acting skills. It is a participation class where students are engaged in different speaking and performing activities daily. Our goal is to help students be confident and comfortable speaking and performing in front of an audience.

### **Theatre 2**

Semester – 2503

Grade 8, 9

Prerequisite: Theatre 1

This class is designed for the serious-minded drama student. Students will have the opportunity to work on advanced skills in drama and performing. Students will participate in many performance activities and learn all aspects of the theater. This class will produce the school play. Mandatory evening dates – Nov. 2-14, 2020.

**A school board approved fee is associated with this class.**

### **7<sup>th</sup> Grade Musical Production**

Semester – 2502

Grade 7

For those who want to be a part of the 7<sup>th</sup> grade musical production. Mandatory evening dates – Jan. 4-15, 2021.

**A school board approved fee is associated with this class.**

### **Musical Theatre 8-9**

Semester – 2508

Grades 8, 9

This class will produce the School Musical. Students will learn all aspects of a musical production including auditions, blocking, set, acting, and ensemble work. Auditions will take place within the class so everyone in the class will become part of the production. All regular rehearsals will take place during class time. Out of class commitment will be two weeks for tech rehearsals, dress

rehearsals, and performances. Mandatory evening dates – May 3-14, 2021.  
**A school board approved fee is associated with this class.**

## Stage Crew/Productions

Semester – 2514

Grades 8, 9

Required: Teacher permission

Students from this class will help run the school musical, assemblies, pep rallies, and possible other productions at the school. There will be mandatory night rehearsals required for some productions.

**A school board approved fee is associated with this class.**

## *Dance*

### Dance 1

Semester – 2601

Grades 7, 8

Dance 1 will consist of ballet, jazz, contemporary, improvisation, and choreography. Daily routines will consist of warm-ups, across-the-floors, and choreography. Boys and girls of all levels are welcome. May be taken once per year.

### Dance 2

Semester – 2602

Grade 8, 9

Prerequisite: Dance 1

Dance 2 will consist of ballet, jazz, contemporary, improvisation and choreography. Students will work daily on choreographed routines and building a better understanding of proper technique. Boys and girls are welcome. May be taken once per year.

### Dance Company

Full Year - 2606

Grade 7, 8, 9

Audition Required

Members of Dance Company are selected through an audition. Previous dance experience recommended. Dance Company is a performing dance group that consists mostly of contemporary and jazz styles, but also includes other dance genres. Students will also focus on choreography and technique. Students will work daily on choreographed routines, building a better understanding of proper technique, and preparing dances for performance. Extra performances will be required. Auditions will be held April 7-9, 2020.

**A school board approved fee is associated with this class.**

### Social Dance

Semester – 1041

Grade 9

Social Dance is a co-ed dance class that consists of social, ballroom, and world dances. Several types of partner dances will be studied. These include dances such as swing, waltz, foxtrot, and cha-cha. Students will also learn some popular line dances and cultural/world dances. This class will focus on style, historical background, and social etiquette.

## FOREIGN LANGUAGE

### Chinese 1

Full Year – 3310

Grades 7, 8, 9

An introduction to the Chinese language and culture. Using methods that spark interest and engage memory, students will gain knowledge for writing and reading characters and speaking useful phrases. Chinese culture will be introduced through field trips, preparing and eating Chinese food,

studying Chinese Film, singing songs, practicing Tai Chi, memorizing poetry, trying their hand at Chinese calligraphy, and much more.

**A school board approved fee is associated with this class.**

### Chinese 2

Full Year – 3320

Grades 8, 9

Prerequisite: Chinese 1

Chinese 2 will place more emphasis on reading, writing, and speaking the language with further exploration into the Chinese culture.

**A school board approved fee is associated with this class.**

### French 1

Full Year – 3210

Grades 7, 8, 9

Prerequisite: Average skills in English, reading and writing.

French 1 is an introduction to the four basic language skills of listening, speaking, reading and writing. Emphasis is on the use of simple vocabulary in real life situations. Basic grammar is also introduced. The culture, history and geography of the French-speaking countries and areas are introduced.

**A school board approved fee is associated with this class.**

### French 2

Full Year – 3220

Grades 8, 9

Prerequisite: French 1

French 2 fulfills the beginning level of Foreign Language instruction as required for most college entrance requirements. More emphasis is placed on accuracy and proficiency in the four basic skill areas. Study of related culture, history and geography continues.

**A school board approved fee is associated with this class.**

### French 3

Full Year - 3230

Grade 9

Prerequisite: French 2

French 3 is an advanced course. Students will begin to use and recognize tenses in French. Study of related culture, history and geography continues. An increased emphasis in proficiency and accuracy improves skills in all four areas. This year completes our overview of the French culture.

**A school board approved fee is associated with this class.**

### Spanish 1

Full Year – 3110

Grades 7, 8, 9

Prerequisite: Very little to no Spanish skills. This is not a class for students who already speak Spanish.

Spanish 1 is an introduction to the four basic language skills of listening, speaking, reading and writing. Emphasis is on the use of simple vocabulary in real-life situations. Basic grammar is also introduced. The culture, history, and geography of the Spanish-speaking countries and areas are introduced.

**A school board approved fee is associated with this class.**

### Spanish 2

Full Year – 3120

Grades 8, 9

Prerequisite: Spanish 1 Novice Spanish skills. This is not a class for students who already speak Spanish.

Spanish 2 fulfills the beginning level of Foreign Language instruction as required for most college entrance requirements. More emphasis is placed on accuracy and proficiency in the four basic skill areas. Study of related culture, history and geography continues.

**A school board approved fee is associated with this class.**

### Spanish 3

Full Year – 3130

Grade 9

Prerequisite: Spanish 2 High novice skills in Spanish. This is not a class for students who already speak Spanish.

Spanish 3 is an advanced course. Students will begin to use and recognize tenses in Spanish. Study of related culture, history and geography continues. An increased emphasis in proficiency and accuracy improves skills in all four areas. This year completes our overview of the Spanish culture.

**A school board approved fee is associated with this class.**

## MATH

### Grade 7 Math

Full Year – 5000

Grade 7

The Grade 7 Mathematics instruction will focus on four critical areas: (1) developing understanding of and applying proportional relationships; (2) developing understanding of operations with rational numbers and working with expressions and linear equations; (3) solving problems involving scale-drawings and informal geometric constructions, and working with two- and three-dimensional shapes to solve problems involving area, surface area, and volume; and (4) drawing inferences about populations based on samples.

### Grade 7 Math Honors

Full Year – 5005

Grade 7

The Grade 7 Mathematics Honor Course will cover the four critical areas listed in the Grade 7 Mathematics Course, plus ancient number systems, use of different bases, codes, and patterns in nature, art, and mathematics that would interest an advanced middle school student. Concepts will be explored to a greater depth with increased use of contextual situations. This course will have increased rigor and advanced content that will challenge the minds of high ability students.

### Grade 7 Math Honors Accelerated

Full Year – 5010

Grade 7

The Grade 7 Math Honors Accelerated Course is only available to students who meet district qualifications. There will be seven areas of focus, including the four areas of seventh grade math and the three areas of 8<sup>th</sup> grade math. This class will cover material at an accelerated pace but at the same rigor as the full year classes.

### Grade 8 Math

Full Year – 5100

Grade 8

The Grade 8 Mathematics instruction will focus on three critical areas: (1) formulating and reasoning about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations; (2) grasping the concept of a function and using functions to describe quantitative relationships; (3) analyzing two- and three-dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean Theorem.

### Grade 8 Math Honors

Full Year – 5105

Grade 8

The Grade 8 Mathematics Honor Course will cover the three critical areas listed in Grade 8 Mathematics Course and add extra topics and concepts that would interest an advanced middle school student. Concepts covering fairness and apportionment, voting methods, sets, and graphing beyond the coordinate plane, will be explored in greater depth with increased use of contextual situations. This course will have increased rigor and advanced content that will challenge the minds of high ability students.

### Secondary Math I

Full Year – 5200

Grade 9

The Secondary Mathematics I Course (9<sup>th</sup> grade core) will focus on developing a solid understanding of function and use that understanding to explore many examples of functions, including sequences. It will deepen and extend understanding of linear relationships and connect that understanding to exponential functions. It will build on prior experiences with data to develop formal methods of data analysis. Students will use properties and theorems involving congruent figures to deepen and extend understanding of geometric knowledge. Algebraic and geometric ideas will be tied together.

## **Secondary Math I Honors**

Full Year – 5205

Grades 8, 9

The Secondary Mathematics I Honors Course will cover all of the concepts in the Secondary Mathematics I course. Concepts will be explored in greater depth with increased use of contextual situations. In addition, it will include concepts dealing with vectors and quantities of vectors and matrix operations and their applications. This course will include elements that will prepare students to take calculus in high school. This course will have increased rigor and advanced content that will challenge the minds of high ability students.

## **Secondary Mathematics II Honors**

Full Year – 5305

Grade 9

The Secondary Mathematics II Honors Course will cover all of the concepts in the Secondary Mathematics II course. Concepts will be explored in greater depth with increased use of contextual situations. In addition, they will study 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. This course will include elements that will prepare students to take calculus in high school. This course will have increased rigor and advanced content that will challenge the minds of high ability students.

# MISCELLANEOUS ELECTIVES

### **ACT Prep**

Semester or Full Year – 400

Grades 7, 8, 9

#### **Strongly Encouraged for all 8th and 9th Grade Students**

This class is intended to combine homework and technical support for students that is self-directed (70% of instructional time) with ACT Driven Critical Thinking Skills that are personalized through both technology and teacher directed learning activities (30% of instructional time). While homework outside of class time is required for successful school outcomes, ACT Prep provides both a support for homework completion and the development of fundamental English, Reading, Math and Science reasoning skills needed for post-secondary success. Students are encouraged to repeat this course if desired.

### **AP Research**

Full Year – 405

Grade 9

Required for students enrolled in any AP course.

This class is intended to be an opportunity for those students enrolled in the AP courses to get some additional homework time. It is also a place to receive additional instruction in the subjects and receive a little more one on one tutoring and help. Only students enrolled in an AP course may register.

### **Exploring Education**

Semester – 7215

Grade 9

An introduction to careers in education. This class is the first in a CTE pathway that can continue through high school for students who are interested.

### **Released Time**

Full Year – 850

Grade 9

Released time for L.D.S. Seminary

# PHYSICAL EDUCATION

### **Beginning Fitness 7**

Semester – 1020

Grade 7

Beginning Fitness 7 focuses on developing physical fitness. It is also an introduction to team sports. Students will acquire a knowledge of rules and strategies of a variety of sports.

### **Intermediate Fitness 8**

Semester – 1021

Grade 8

Intermediate Fitness continues to focus on physical conditioning and the development of team sports skills. Leadership skills and sportsmanship will be emphasized.

### **PE Skills and Techniques 9**

Semester – 1022

Grade 9

PE Skills and Techniques focuses on participation skills and techniques in a variety of team sports, individual sports and games. Emphasis is on improving and maintaining physical fitness. Students will earn ½ PE elective credit. **A school board approved fee is associated with this class.**

### **Get Fit**

Semester – 1050

Grade 9

This course is for students who want to further advance their physical fitness through rigorous cardiovascular fitness and strength training, as well as flexibility, speed, agility, and nutrition. The class will be more individualized to help students achieve realistic fitness goals. Students will earn ½ PE elective credit.

**A school board approved fee is associated with this class.**

### **Yoga/Aerobics**

Semester – 1060

Grade 9

Students will participate in various cardiovascular and muscular endurance activities; such as aerobics, kickboxing, dancing such as Zumba, hip hop, and country line dancing. Pilates and resistance band training will also be offered. Students will also have the opportunity to improve flexibility through Yoga and other stretching activities, improve the mental health aspect of health through activities such as meditation, progressive relaxation and other health promoting stress management activities. Students will earn ½ PE elective credit.

**A school board approved fee is associated with this class.**

### **Health Education 1**

Semester – 1000

Grade 8

Health Education conforms to the state core and covers a variety of topics. The focus of this course is to teach life skills to the students. Some of the topics addressed are as follows: goal setting, mental and emotional health, disease prevention, human development, relationships, nutrition, substance abuse and prevention, and first aid.

# RESOURCE

All Resource classes will be determined by the student's current IEP.

# SCIENCE

### **AP Environmental Science**

Full Year – 6330

Grade 9

**Must taken with AP Human Geography**

The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science. The goal of the AP Environmental Science course is to provide students with the scientific

principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze alternative solutions for resolving or preventing them. Environmental science is interdisciplinary; it embraces a wide variety of topics across science disciplines (geology, biology, chemistry, meteorology, etc.), but also math, geography, social sciences, and language. Students interested in this course should be highly motivated. Because this is a college level class it will be fast paced and rigorous.

**A school board approved fee is associated with this class.**

### **Integrated Science 7**

Full Year – 6000

Grade 7

Integrated Science 7 conforms to the State Science Core Curriculum. The focus of this course is the theme of structure. While the course has an emphasis on life science, physical and earth science topics (which deal with structure) are included to help the students recognize the integrated nature of science. Topics include structure of matter, structure of organisms and classifications of living and non-living things.

### **Integrated Science 7 Honors**

Full Year – 6001

Grade 7

The 7<sup>th</sup> grade honors course will cover the curriculum in more depth and rigor. The main difference will be the approach of how this curriculum is presented. There will be more science skills, nature of how science works, and hands-on activities and labs than may be in the Integrated Science 7 class. Students will learn and practice writing skills and begin the foundation for taking future AP courses. Students need to expect that this class will be more rigorous than the Integrated Science 7 class.

### **Integrated Science 8**

Full Year – 6100

Grade 8

Integrated Science 8 conforms to the State Science Core Curriculum. The focus of this course is the theme of "change." While primarily a physical science course, earth and life science are integrated as they apply to the theme so that the student can learn the integrated nature of science. Topics include chemical/physical change, change in energy and force motion. Emphasis will be given to helping students make the connection between science and their daily life.

### **Integrated Science 8 Honors**

Full Year – 6101

Grade 8

The 8<sup>th</sup> grade honors course will have the same curriculum taught as Integrated Science 8, with more in-depth chemistry and biology. Students will learn and practice writing skills and build a foundation for taking future AP courses. Students will have many opportunities to practice "doing" science, learning the nature of science through many hands-on and lab experiences. Students need to expect that this class will be more rigorous than the Integrated Science 8 class.

### **Earth and Space Science**

Full Year – 6300

Grade 9

Earth and Space Science is a course designed to focus on our planet and all the systems that affect it. Earth and Space Science is an integrated course that incorporates space and earth related concepts and topics. This course will cover matter and energy in space, patterns in Earth's history and processes, system interactions (atmosphere, hydrosphere, and geosphere), and stability and change in natural resources.

**OR**

### **Biology**

Full Year – 6200

Grade 9

Biology covers a wide range of biology content including interactions with organisms and the environment, Structure and function of life, Genetic patterns, and evolutionary change. Students enrolled in this class must possess advanced reading and writing skills. The class will move at a fast pace, including a high volume of class notes and

independent study by the student. *Due to the pace and detailed nature of the class, students should carefully consider their individual abilities before electing to take this course.* There will be a significant laboratory focus, which will require hands on work by the student. The labs will encourage analytical thinking and scientific reasoning skills.

**A school board approved fee is associated with this class.**

### Science Exploration-Astronomy

Semester – 6701

Grades 7, 8

May be taken only once

An introduction to the fundamental concepts of astronomy.

**A school board approved fee is associated with this class.**

### Science Exploration-Zoology

Semester – 6703

Grades 8, 9

May be taken only once

An introduction to the fundamental concepts of zoology.

Dissection is required and counts as part of the grade.

**A school board approved fee is associated with this class.**

### Beginning Robotics

Semester - 6700

Grade 7, 8, 9

This course is an entry, exploratory level robotics course focused on introducing design elements, basic coding, modeling and programming. Students will work in interdependent collaborative groups to construct, deconstruct and refine robotics performance tasks. The Engineering Design Model and VEX IQ program will be utilized throughout this course.

**A school board approved fee is associated with this class.**

### Advanced Robotics

Semester - 6700

Grade 8, 9

Prerequisite – Beginning Robotics

This is course is an intermediate, exploratory level robotics course focused on advanced design elements, coding, modeling and programming. Students will work in interdependent collaborative groups to construct, deconstruct and refine robotics performance tasks. The Engineering Design Model and VEX EDR/IQ program will be utilized throughout this course. Students will have the opportunity to participate in local, state, and potentially national robotics competitions.

**A school board approved fee is associated with this class.**

### Hacking STEM

Semester - 6600

Grade 7, 8, 9

Hacking STEM is an enrichment course that prepares students to develop and improve critical thinking skills, creativity, collaboration skills, communication skills, and character. This also includes breadboarding, excel, circuitry, Arduino, real world data, real world problem solving and other engineering practices, as well as advanced technology resources. In this elective course students will participate in inquiry-based science and engineering processes by using hands-on activities and research experiences. These will aid in the development of relevant skills, which will benefit students in the classroom and beyond. This course is recommended for students who have prior experience with STEM classes, engineering, coding, etc.

## SOCIAL STUDIES

### Utah Studies

Semester – 4500

Grade 7

Foundations of Social Studies/Utah Studies is the introductory course for social studies in Davis School District. Curricular content consists of key themes and concepts drawn from the social sciences of geography, history, economics, and government. Each of the concepts is explored through the use of Utah-specific examples, or Utah Studies. Literacy, historical thinking, and spatial skills are developed through the study of the concepts in the abstract and real-world Utah examples. The course focuses on the reading of both informational text and authentic or

primary source, material. Semester-long courses study approximately 14-18 concepts drawn from across the social sciences.

### Utah Studies Honors

Full Year – 4504

Grade 7

The honors course will take the material in the semester course and add depth to it. It will move slower and allow for more individual learning than the semester course. Yearlong courses study approximately 36 concepts drawn from across the social sciences.

### U.S. History

Full Year – 4510

Grade 8

U.S. History includes a study of the development of the United States as a strong and free nation. The course traces our nation's history from pre-Columbian through reconstruction with a heavy emphasis on the nineteenth century.

### U.S. History Honors

Full Year – 4514

Grade 8

This course will teach the entire history of the United States from pre-Columbian through reconstruction. Students will learn and practice writing skills and continue building the foundation for AP classes in the future. Students should expect more rigor and depth than what is found in U.S. History.

### World Geography

Semester – 4525

Full Year – 4520

Grade 9

**GEOGRAPHY NOTE:** Full year recommended for those who plan to participate in college athletics, are college-bound, or would benefit from a slower learning pace.

The same curriculum will be covered in both semester and yearlong versions, but the semester version will be more intensive and taught at a much quicker pace. Both versions cover the relationship of physical and human geography and include the study of population, cultural, political, and economic geography. Map skills are emphasized as students learn the concepts and apply them to different regions of the world.

**A school board approved fee is associated with this class.**

OR

### AP Human Geography

Full Year – 4590

Grade 9

This course introduces students to the systematic study of patterns and process that shape human understanding of and interaction with Earth's surface. Students use spatial concepts and analysis to study about population, culture, politics, agriculture, cities, and economics. They also learn about the methods and tools geographers use in their research and applications. It is a college-level course and is writing-intensive. There is one field trip that is a component of the course. Students will have the option of taking the AP Human Geography exam at the end of the school year.

**A school board approved fee is associated with this class.**

### Current Issues

Semester – 4531

Grades 8, 9

This course will allow students to develop awareness while examining current issues on local, national, and international levels. Students will study political, social, economic, and environmental issues, as well as school and community issues such as bullying, stress, homework, and respecting diversity. This course will be dynamic as it responds to important current events and issues that arise. May be taken once per year.

### Culture and World Religions

Semester – 4528

Grade 9

This course will look at the 5 major world religions. We will discuss the beliefs, holidays and impacts of each. We will look at how religion impacts culture and how culture impacts religion. We will discuss major cultural centers

around the globe and discuss the impact of religion on culture and history.

### Terrorism and the Post 9-11 World

Semester – 4528

Grade 8, 9

This course will look at the concept of terrorism. It will focus primarily on the modern issue of fundamentalist terrorism and different terrorist groups. It will examine the origin, motives and styles of different groups as well as the history of terrorism and possible solutions to terrorism. Students should expect to look at Islamic Terrorism, Terrorism in the US and Environmental Terrorism at a minimum. Current events will drive the discussion in class, so students should be prepared to participate in discussions based on what is happening around the world.

### World Wars of the 20<sup>th</sup> Century

Semester – 4615

Grade 8, 9

This course will look at the major wars of the 20<sup>th</sup> century. We will study World War I, World War II and the Cold War at a minimum. Students will learn why these wars happened, discuss the major movements and themes of the wars, and the modern-day consequences of the different wars.

## CAREER AND TECHNICAL EDUCATION

### College and Career Awareness

Full Year – 7050

Grade 7

College and Career Awareness offers exploration and preparation in college and career pathways focusing on jobs that are high skill and high demand, as well as satisfying and financially rewarding. This course is designed to help students identify their interests, abilities, and skills. With appropriate developmental information related to careers, educational pathways, and self-knowledge, students are able to begin to make college and career goals for the future. CCA is designed to acquaint students with the Utah labor market and the employment opportunities for which they can prepare by defining a College and Career Ready Plan.

### Digital Literacy

Semester – 7537

Grade 8

Take your computer skills beyond surfing the web, playing games, and social media! Digital Literacy will improve vital computer skills used in school and beyond. Students will create and manage databases, utilize spreadsheet software to construct formulas and functions, produce presentations using advanced tools, and enhance documents with innovative formatting features. In addition, students will produce digital media projects and assess ways to protect privacy, manage security settings, and identify the best technology tools for various tasks. This class fulfills a specific state requirement for 8<sup>th</sup> grade.

**A school board approved fee is associated with this class.**

### FCS Exploration A (Sewing, Interior Design, Personal Development)

Semester – 7404

Grade 8

This course provides students the opportunity to develop essential skills in the various career pathways related to Family and Consumer Sciences (FACS). Students will explore and cultivate skills in interior design and clothing and textile construction, career and job-related tasks. This course will strengthen comprehension of concepts and standards outlined in Sciences, Technology, Engineering and Math (STEM) education. Students will complete 2-3 sewing projects in this class. Two projects will be paid for with the class fee, for the other project, students need to provide all of the materials to complete it.

**A school board approved fee is associated with this class.**

## **FCS Exploration B (Food and Nutrition, Child Care, Entrepreneurship)**

Semester – 7405

Grade 8

This course provides students the opportunity to develop essential skills in the various career pathways related to Family and Consumer Sciences (FACS). Students will explore and cultivate skills in food and nutrition sciences, childcare, consumerism, entrepreneurship, and career and job-related tasks. This course will strengthen comprehension of concepts and standards outlined in Sciences, Technology, Engineering and Math (STEM) education. Students can plan on lab experiences at least once a week during the food and nutrition section of the class.

**A school board approved fee is associated with this class.**

## **Food and Nutrition 1**

Semester – 7460

Grade 9

This course is designed to focus on the science of food and nutrition. Experiences will include food safety and sanitation, culinary technology, food preparation and dietary analysis to develop a healthy lifestyle with pathways to career readiness. Laboratory-based experiences strengthen comprehension of concepts and standards outlined in Sciences, Technology, Engineering and Math (STEM) education. Students can plan on lab experiences usually once a week or sometimes more often. Students also have the option of earning a Food Handlers Permit as part of the course for an additional fee.

**A school board approved fee is associated with this class.**

## **Sewing Construction and Textiles 1**

Semester – 7433

Grade 9

This course introduces students to basic apparel design and construction skills. These skills prepare students for the exciting global apparel industry and entrepreneurial opportunities. Students will sew apparel and accessory projects. Students will complete 3 different projects throughout the semester in order to complete the state skill requirements. In addition to the class fee, students will be required to provide most of the materials for all projects. Students will demonstrate skills and knowledge learned by successfully completing a State Competency Exam. This course will strengthen comprehension of concepts and standards outlined in Sciences, Technology, Engineering and Math (STEM) education.

**A school board approved fee is associated with this class.**

## **Keyboarding 1**

Semester – 7552

Grades 7, 8

Keyboarding is a necessary skill to prepare students for success in school and the workplace. Keyboarding 1, a beginning keyboarding course, emphasizes touch operation of the computer keyboard. Correct fingering by touch operation and good technique will receive primary emphasis, allowing speed to increase dramatically. Proofreading skills will be developed and simple documents will be created using word processing functions such as spacing, margins, alignment, copy, move, and paste. Students who wish to improve skill but are keying over 30 wpm are encouraged to take Keyboarding Applications.

**A school board approved fee is associated with this class.**

## **Exploring Business and Marketing**

Semester – 7548

Grade 7, 8

*On average, income for entrepreneurs is 50% greater than for employees!* Develop skills now to become a successful entrepreneur and create your own wealth. Students will create a business plan that encompasses basic business concepts--identifying entrepreneurial opportunities, marketing your business, practicing effective communication skills, and making financial decisions. A school store at the end of the semester will provide real-world application for the concepts learned.

## **Creative Coding**

Semester – 7743

Grade 7, 8

Coding, also called programming, is a skill students could use for a future career in a world short on skilled coders and programmers. Creative Coding not only engages students in interesting, cooperative learning activities, it also provides students opportunities to learn concepts vital in the field of Computer Science. As an introductory course, activities include creating and organizing web pages; designing mobile apps; and collaboratively developing, publishing, and presenting products such as videos and podcasts.

**A school board approved fee is associated with this class.**

## **Web Development 1**

Semester – 7795

Grade 9

*Fulfills .5 Digital Studies credit graduation requirement*

Web Development 1 is a course designed to guide students in a project-based environment in the development of up-to-date concepts and skills that are used in the development of today's websites. Students will learn the fundamentals of how the Internet works and use the basic building blocks of the World Wide Web: HTML5 coding, cascading style sheets (CSS) and JavaScript. Steps to create a website by planning, designing, developing, deploying, and maintaining of the website projects will be taught. Students will learn and use different scripting technologies to create more dynamic and interactive websites and understand what it takes for a career in web development as they complete projects and create their own website.

**A school board approved fee is associated with this class.**

## **Exploring Computer Science**

Semester – 7760

Grade 9

*Fulfills .5 Digital Studies credit (graduation requirement)*

Careers in computer science are projected to grow 19 percent in the next decade, much faster than the average for all occupations. Get a jump start on a great career skill by studying the field of computer science. Rather than focusing the entire course on learning software tools or programming languages, the course is designed to focus on general concepts of computing and help students understand why certain tools or languages might be utilized to solve a problem. The goal of Exploring Computer Science is to develop in students the computational thinking practices of algorithm development, problem solving and programming using problems that are relevant to the lives of today's students. Activities are varied, including exposure to computer components (computer teardown/rebuild), Web 2.0 applications, artificial intelligence (bots), spanning trees, and Scratch.

## **Exploring Tech 1 – Engineering**

Semester – 7810

Grades 7, 8

In this course we will touch on the various disciplines of engineering (Civil, Electrical, Mechanical, Environmental, Chemical, Computer Science, etc.). Every year the curriculum is different because there are so many types of engineering projects to do. This is the real application of mathematics. It gives meaning to the math students are learning. The course is a hands-on project-based learning. Students will design and build each project in the engineering lab (formerly wood shop). Students will work in diverse groups as well as individually.

**A school board approved fee is associated with this class.**

## **Exploring Tech 1 - Manufacturing**

Semester – 7810

Grades 7, 8

In this course we will touch on the various disciplines of engineering (Civil, Electrical, Mechanical, Environmental, Chemical, Computer Science, etc.) and how projects are seen to completion. Every year the curriculum is different because there are so many types of engineering projects to do. This is the real application of mathematics. It gives meaning to the math students are learning. The course is a hands-on project-based learning course. Students will design and build each project in the engineering lab (formerly wood shop). Students will work in diverse groups as well as individually.

**A school board approved fee is associated with this class.**

## **Engineering Principles 1**

Semester – 7820

Grade 9

Engineering is important in our ever-changing world. In this course we will explore four disciplines of engineering (Civil, Electrical, Mechanical, Environmental, Chemical, Computer Science, etc.). Four new disciplines will be studied in the second semester (Engineering Principals 2). Students will learn the design process and look at opportunities available in engineering. This course gives meaning to the math students are learning and is a hands-on project-based learning course. Students will design and build each project in the engineering lab (formerly wood shop). Every year the curriculum is different because there are so many types of engineering projects to do. This class qualifies for High School CTE required credit.

## **Engineering Principles 2**

Semester – 7822

Grade 9

Engineering is important in our ever-changing world. In this course we will explore four disciplines of engineering (Civil, Electrical, Mechanical, Environmental, Chemical, Computer Science, etc.) This course is a continuation of Engineering Principals 1 but Engineering Principals 1 is not a pre-requisite. Four new disciplines will be studied. Students will learn the design process and look at opportunities available in engineering. This course gives meaning to the math students are learning and is a hands-on project-based learning course. Students will design and build each project in the engineering lab (formerly wood shop). Every year the curriculum is different because there are so many types of engineering projects to do. This class qualifies for High School CTE required credit.