

North Davis Junior High School

2018-2019

9th Grade Course Descriptions

ASSISTANTS

Library Media Assistants

(2230) Semester

Library Media Skills includes learning how to circulate library materials, serving library patrons, and other day-to-day operations of the library. The course includes reading a variety of materials for information and leisure, practicing research skills, and learning to interpret the messages in media. Students will also be completing errands and tasks for a variety of teachers.

Peer Tutor

(2252) Semester

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.

COLLEGE & CAREER READINESS

Food and Nutrition I

(8421) Semester

This course provides students an understanding of the principles of nutrition and maintaining a healthy life style. Attention will be given to the selection and preparation of food and personal health and well-being.

Child Development

(8406) Semester

This course helps students attain an understanding of the aspects of human growth and development. Communication skills are developed, positive guidance techniques and child-related issues are studied.

Exploring Computer Science

(8680) Semester

Exploring Computer Science 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 Exploring Computer Science is to develop in students the computational thinking practices of algorithm development, problem solving and programming within 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 and societal and ethical issues. THIS CLASS FULFILLS THE .5 CREDIT COMPUTER TECH GRADUATION REQUIREMENT.

AP Computer Science Principles (AP Testing Fee)

(8675) Year

This course introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. The AP Program designed AP Computer Science Principles with the goal of creating leaders in computer science fields.

Construction Technology 1

(8607) Semester

This is an introductory course focused on construction technology. Students will gain an understanding of how construction technologies impacts politics, the environment, society, and the economy. Students will develop a foundation in essential abilities and attitudes that will in turn expand their occupational opportunities in the world of construction. Students will be asked to pay for consumable materials.

Construction Technology 2

(8608) Semester

This course is an extension of the skills and knowledge gained in Construction Technology 1. Students will move in to bigger and more advanced projects during this course. Students will explore the world of work through a variety of exciting hands-on projects. They will learn the importance of exact measurements, following written instruction, and following oral

instruction. Students will be asked to pay for consumable materials.

Engineering Technology (8604) Semester

Engineering technology is designed to teach students industry terminology and history. Students will learn about the design process and the characteristics and uses of engineering documentation. Students will apply estimation, calculate budgets, and select materials. This course will allow students the opportunity to explore careers related to engineering design, modeling, manufacturing, and assembly.

ENGLISH

English 9 (4090) Year

This is a required course which emphasizes writing (argumentative, explanatory/informational, narrative), reading (literary and informational), language, speaking, and listening skills.

English 9 Honors (4093) Year

This is an accelerated course for students who demonstrate strong ability in English and reading. Writing assignments will encourage analysis, synthesis, and evaluation. It is vital that students read at or above grade level in order to effectively manage the required reading.

Creative Writing (4146) Semester

Students will have the chance to flex their creative muscle as they write everything from short stories to poetry. Students will get to know the writing styles of various famous fiction authors, and then have the chance to work on developing their own personal writing style. Expect to write: poetry, character sketches, short stories, and more. There will be language skills instruction and opportunities to practice using those skills.

Yearbook (4190) Year

Yearbook is a full year elective class where students will learn online design, picture taking, and writing skills as they plan and create the yearbook. There is an after school component to this class as students will spend about one day a month after school taking pictures at school activities.

Journalism 1-School Newspaper (4185) Semester

This course provides opportunities for students to engage in an examination of Journalism and the news writing process. Students are responsible for the planning, design, and publication of the school newspaper. This production process will involve feature writing, page/graphic design, and photography. Good writing skills and a working knowledge of grammar are required.

MATHEMATICS

Secondary Mathematics I (5130) Year

This class will focus on developing a solid understanding of function, and using 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 Mathematics I Honors (5131) Year

This class 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 (5141) Year

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.

PERFORMING ARTS

Beginning Band (Level 1): Brass (1645) Year

Students will learn to read and perform music on the following instruments: Flute, Oboe, Clarinet, French horn, Trumpet, Trombone, and Percussion. Students will also learn basic musicianship skills and theory concepts, such as major scales and basic note and rest values. Students will be put in the appropriate sections of beginning band after they decide which instrument they are playing when meeting with Mr. Crosby. Certain instruments such as French horns, and other instruments offered in Beginning Band can be rented from the school for a \$95 fee. Summer band is also offered towards the end of the summer to help students get started. **All students participate in the Christmas and Spring Concerts.**

Beginning Band (Level 1): Woodwinds (1646) Year

Students will learn to read and perform music on the following instruments: Flute, Oboe, Clarinet, French horn, Trumpet, Trombone, and Percussion. Students will also learn basic musicianship skills and theory concepts, such as major scales and basic note and rest values. Students will be put in the appropriate sections of beginning band after they decide which instrument they are playing when meeting with Mr. Crosby. Certain instruments such as French horns, and other instruments offered in Beginning Band can be rented from the school for a \$95 fee. Summer band is also offered towards the end of the summer to help students get started. **All students participate in the Christmas and Spring Concerts.**

Beginning Band (Level 1): Percussion (1647) Year

Students will learn to perform music on percussion instruments. Emphasis is on note reading and rhythm reading. Practice snare pad and bells are emphasized. No set playing is taught. Students must have two or more years of successful piano lessons to be considered for the percussion section. Interested students should contact the Director of Band, Mr. Crosby, in the spring if interested in playing percussion.

Band Level 2 (Intermediate) (1740) Year

Brass, Woodwind or Percussion instruments are combined in this class. Intermediate playing techniques will be stressed with emphasis on playing harmony and twelve basic scales. Students will perform for parents at the end of each term. Home practice is required. **All students participate in the Christmas and Spring Concerts.** Prerequisite: Beginning Band or teacher approval.

Band Level 3 (Advanced) (1840) Year

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. **All students participate in the Christmas and Spring Concerts.** Prerequisite: Intermediate Band.

Jazz Band (1848) Year

This course provides opportunities to foster and refine musical expression through instrumental performance, analytical/evaluative skills, and aesthetic judgment. Study includes the care and cultivation of a beautiful tone, the ability to read music with fluency, the polishing of performance skills, team spirit, and responsible rehearsal habits. Students will have opportunities to experience the spontaneity of improvisation and the creative process of composing. Students will hone listening skills and their ability to analyze and critique music and music performances. Attention will also be given to relating their music experiences to the time and culture of the pieces they study, as well as to contemporary society. **All students participate in the Christmas and Spring Concerts.** Prerequisite course is Intermediate Band and/or audition.

Choir 2 (Intermediate Choir) (1720) Year

This is a class for 8th and 9th grade girls and boys. Students will perform a variety of choral music in 2 and 3 part voicings. **Performing at concerts is required.** Focus will be on basic vocal skills, music literacy, sight singing and musicianship.

Choir 2 (Advanced Girls' Choir) (1725) Year

This class is for 8th and 9th grade girls. Students will perform a variety of choral music in 2 and 3 part voicings. **Performing at concerts is required.** Focus will be on further development of vocal skills, music literacy, sight singing and musicianship. Teacher permission required.

**Choir 3 (Concert Choir)
(1820) Year**

This class is for 8th and 9th grade girls and boys. An audition is required. Students will perform a variety of choral music in 3 and 4 (SATB) part voicing. This class is for experienced singers and will focus on the refinement of choral skills and aesthetic judgments. The emphasis is ensemble performing, sight singing, choral literature and creative development. Extra performances will be required. **Concert attire is required. Students must enroll for the full year.** Prerequisite: auditions are required.

**Orchestra Level 2 (Intermediate)
(1760) Year**

Students should have had previous experience with their instrument prior to enrolling (6th grade orchestra or private lessons). Students with no prior experience may enroll, but will need private lessons or extra practice in class to catch up. This course is designed to give students the skills to perform music levels 1-2.

**Orchestra Level 3 (Advanced)
(1860) Year**

This class continues with skills and techniques learned in previous classes. Students are able to perform at school concerts and district competitions.

PHYSICAL EDUCATION

**PE Skills & Techniques 9
(7700) Semester**

This course develops skills & techniques in a variety of sports & games with emphasis on leadership, respect, & courtesy.

**Body Conditioning (Boys/Girls)
(7785) Semester**

This course is for any student interested in learning about conditioning and weight room skills. Develops all components of fitness with flexibility. Cardio-respiratory and weight training activities.

SCIENCE

**Earth Systems
(3400) Year**

This course focuses on the study of the earth's biosphere, atmosphere, hydrosphere, and the geosphere. Also studied are the origin and structure of the universe. Our goal is to develop a working knowledge and understanding of scientific methods and discover our influence as humans within and upon these systems.

**AP Environmental Science (AP Testing Fee)
(3820) Year**

This is a full year course designed for science students that examines a variety of natural sciences (ecology, chemistry, biology, geography) and several social sciences (economics, politics, ethics). AP Environmental Science is a college level course for students who have above-average study skills and the desire to change the world in which they live in. This course is designed to help students understand many topics (local and national) and subjects within the environmental science field. This course is designed to promote environmental science literacy so that students will be better prepared to make decisions about issues that impact the environment.

SEMINARY

**Released Time (Seminary)
(810) Year**

Students are released for a course taught by teachers employed by The Church of Jesus Christ of Latter-day Saints. Students who take this course do not earn credit toward high school graduation during this period.

SOCIAL STUDIES

**World Geography
(6200) Year**

This course is a survey of the earth's physical & human geography for the entire world. It addresses people, places, events,

cultures & environments in the context of world regions. Geography skills, including map reading and understanding charts and graphs, will be practiced as we study the world.

**World Geography Honors
(6203) Year**

This course focuses on a study of interrelationships between our physical and cultural worlds. Explores how geography influences human behavior from the local to the international level.

**AP Human Geography (AP Testing Fee)
(6204) Year**

The purpose of A.P. Human Geography is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. Students will also learn about the methods and tools geographers use in their science and practice. This is a college level class, which will challenge students to learn quickly, develop an integrated view of the world, and learn to write clean, clear, and well thought out essays in a timed testing environment. All elements in the class are designed to help students become comfortable with the testing format, work well in timed conditions, and learn to write clear justifiable answers to essay questions. Students may earn college credit by passing the A.P. test exam in the spring – additional charges for the A.P. exam will be discussed by the classroom teacher. **This is a college level course and may require up to 2 hours of homework per night.**

**Civics
(6210) Semester**

Introductory class on the basic principles of government and leadership. Student will explore the different types of government, economies, and branches of the government, political systems and elections. Students will be prepared for future government and citizen classes. Class will be discussion and lecture based, with guest speakers and activities.

**Current Issues
(6215) Semester**

In our current event class, students will learn how events in their community, state, nation, and from around the world relate to them and impact their lives. We will identify issues, compare viewpoints about each issue, and understand how each event influences the world in which we live.

DRAMA

**Theater Foundations 2
(4235) Semester**

This course is available to students who have successfully completed Theater Foundations 1. This course will continue to introduce skills in performance and the study of drama by expanding upon skills learned in Theater 1. Students will also read, view and analyze theatrical works. Topics include movement, script writing, dramatic structure and elements, theatre history, Shakespeare and classical acting, script analysis, one-act plays, and improvisation.

**Musical Theater
(4275) Semester**

This is a semester class open to anyone who has successfully completed Theater 1. Students will be learning about the musical theater genre, reading plays, viewing theatrical works, performing scenes and music from musicals and presenting a musical revue at the end of the semester. This class will produce and perform outside of class time. Students will audition for parts as part of the class. Rehearsals will also be held outside of class and the student will be required to attend.

VISUAL ARTS

**Ceramics
(1110) Semester**

Students will create clay sculptures and functional pottery using a variety of techniques such as pinch, slab and coil building. Focus will be on hand building with 4-5 days of wheelwork. Students will expand their knowledge of decorative possibilities of graffiti, imprinting, and glazes. Instruction stresses imagination and creativity, with a focus on the importance of craftsmanship. Students will plan, create, analyze, and evaluate their work and the work of master ceramic artists.

WORLD LANGUAGES

**Spanish 1
(4620) Year**

This course helps students create a solid foundation of basic Spanish skills. Skills such as introductions, descriptions of people, likes/dislikes and describing family are modeled by the teacher and then students practice those skills in a variety of

scenarios. In class, students interact with the language through reading, listening, writing and speaking the language to complete realistic scenarios. The class is taught mostly in Spanish.

**Spanish 2
(4630) Year**

This course helps students build on their Spanish skills and encourages creativity in using the language. Student learning will focus on more specific topics like eating, describing your daily routine and entertainment. Students will address and interact with these topics through reading, and listening to authentic articles and commercials. Students will respond to these materials by writing and speaking the language to complete realistic scenarios. The class is taught in Spanish.

**Spanish 3
(4640) Year**

This course polishes the skills learned in Spanish 2 and helps students elaborate in Spanish. Topics include: The arts, current events, and going to the doctor. Students will address and interact with these topics through reading, and listening to authentic articles and commercials. Students will respond to these materials by writing and speaking the language to complete realistic scenarios. The class is taught in Spanish.

**Latinos in Action
(9200) Year**

The mission of the Latinos in Action class is to empower our Latino youth through culture, service, leadership and excellent education with the sole purpose of graduating from college. This class trains students as paraprofessionals who visit and tutor local elementary school children. LIA students also learn and improve their leadership skills through their roles within LIA. LIA students organize activities and initiate service projects together. In order to participate in the Latinos in Action class, students must maintain a GPA of 2.5 or higher.

ADDITIONAL ELECTIVES

**Study Skills
(2400) Semester**

The purpose of Study Skills is to teach specific concepts related to school success, correct study principles for home and school, independence, self-motivation, self-discipline, choices and consequences, and skills for lifelong learning.

**Directed Research (AP)
(2406) Semester**

Available for students enrolled in 2 or more AP or honors courses. Students will have one period to work on their studies from their rigorous course load. This is a Pass/Fail non GPA course.

**Pep Squad
(7860) Semester**

This class designed to foster school spirit and allow more students the opportunity to participate in structured activities that support school spirit and pride. Together with the Cheerleaders and Student Government, students taking Pep Squad will learn cheers and participate by cheering at home games. Attendance at home games is mandatory. This is not a competition squad and is open to any student interested in participating. Uniform fee of \$10.00 for Pep Squad t-shirt.