



# North Davis Preparatory Academy

## Course Catalog 2022-2023

### Grades 7-9

#### Careers & Technical Education

##### **College and Career Awareness (7<sup>th</sup> grade only) 0.5 credit**

*Semester*

College & Career Awareness course gives students the opportunity to identify their interests, abilities, and skills in a variety of topics. Students explore College and Career pathways for high-skill and high-demand jobs. Students will engage in hands-on activities with real-world applications.

##### **Computer Technology (all grades) 0.5 credit**

*Semester*

This course introduces students to Technology and its impact on society. Students will develop problem-solving skills and for their final project, they will design and build an electromechanical device that can eventually be programmed with a computer.

##### **Exploring Computer Science (9<sup>th</sup> grade only) 0.5 credit**

*Semester*

This course is designed to introduce students to the breadth of the field of computer science through an exploration of engaging and accessible topics. The course focuses on the conceptual ideas of computing and helps students understand why certain tools or languages might be utilized to solve 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 artificial intelligence, web development, programming, and physical computing.

##### **Digital Literacy (8<sup>th</sup> grade only) 0.5 credit**

*Semester*

This is an introduction to computer application software that encompasses document processing, spreadsheets, and presentations. An understanding of technology ethics and use of operating systems, information resources and electronic mail is included. Correct keyboarding technique by touch with speed and accuracy improvement will be emphasized

##### **Foods and Crafts (all grades) 0.5 credit**

*Semester*

This course explores a variety of skills and topics, including origami, bracelet making, cross stitch, crochet, finger knitting, etc. Students will also create meal plans, prepare food, and learn how nutrition affects a healthy lifestyle.

#### Language Arts

##### **Language Arts 7 (7<sup>th</sup> grade) 1.0 credit**

*Year*

This course helps students gain a greater fluidity within the English language. The emphasis is on composition, the writing process, and reading comprehension. Lessons in composition will cover the application of mechanics and grammar. Students will produce descriptive, narrative, persuasive, and informative written work. They will also work on spelling, vocabulary, dictionary, library, reading and speaking and listening skills.

### **Language Arts 8 (8<sup>th</sup> grade) 1.0 credit**

*Year*

Language Arts 8 is a course that focuses on reading, writing, inquiry/information gathering, grammar and communication. Various reading sources help students refine decoding and interpretation skills. Students will write for different purposes and audiences. They will also practice grade-appropriate grammar and usage skills. Listening, speaking, and problem-solving are other essential elements of this course.

### **Language Arts 9 (9<sup>th</sup> grade) 1.0 credit**

*Year*

This course provides students continued practice in refining language skills (i.e., reading, writing, speaking, and listening). Writing process skills include the descriptive, narrative, informative, and persuasive modes for specific audiences. Investigative research processes are taught, and cross-curricular research essays are developed. Reading materials include novels, poetry, short stories, classical drama, classical mythology, and reference materials.

### **Yearbook/Creative Writing (all grades) 0.5 credit**

*Semester*

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

## **Mathematics**

### **Mathematics 7 (7<sup>th</sup> grade) 1.0 credit**

*Year*

Students 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.

### **Mathematics 8 (8<sup>th</sup> grade) 1.0 credit**

*Year*

Instructional time will focus on three critical areas: (1) formulating and reasoning about expressions and equations, including modeling an association in bivariate data with 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.

### **Secondary Mathematics I (9<sup>th</sup> grade) 1.0 credit**

*Year*

The fundamental purpose of Secondary Mathematics I is to formalize and extend the mathematics that students learned in the seventh and eighth grades. The critical areas, organized into units, deepen, and extend understanding of linear relationships, in part by contrasting them with exponential phenomena, and in part of applying linear models to data that exhibit a linear trend. Secondary Mathematics I utilizes properties and theorems involving congruent figures to deepen and extend understanding of geometric knowledge from prior grades. The final unit in the course ties together the algebraic and geometric ideas studied.

### **Math Lab (7<sup>th</sup> & 8<sup>th</sup> grade) 0.5 credit**

*Semester*

This course emphasizes math in a real work setting. Students practice critical and analytical thinking skills through games and problem solving. The foundation principles of mathematics are reviewed. Teacher approval needed to enroll in this course.

## **Music and Art**

### **Musical Theater (all grades) 0.5 credit**

*Semester*

This course provides opportunities for students to develop their musical potential and aesthetic understanding through singing in a choral ensemble. Study includes the care and cultivation of a beautiful tone, aesthetic awareness, and the ability to read music, the building of technical skills, team spirit, and responsible rehearsal habits. Students will strengthen listening skills and their ability to analyze and evaluate music and music performances. Attention will also be given to relating their musical experiences to personal development.

### **Theater I (all grades) 0.5 credit**

*Semester*

Theater I is designed to increase students' knowledge and skill in the world of theater. Students will learn to improve their knowledge and ability to perform basic drama techniques. This class requires creativity, experimentation, and open-mindedness. Students will gain basic acting skills, learn general theater terms, and apply their knowledge through formal and informal performances.

### **Theater 2 (all grades) 0.5 credit \*prerequisite Theater I**

*Semester*

Theater 2 is designed for more serious-minded drama students. Students will work on advanced drama techniques and build acting skills through preparing to perform in the school play.

### **Theater & Dance (all grades) 0.5 credit**

*Semester*

Theater and Dance is a class that explores how movement and dance is a partner with drama and music in the performing arts. This class requires creativity, experimentation, and open-mindedness.

### **The Musical (all grades) | 0.5 credit**

*Semester*

Students in this class will rehearse and participate in the school's musical production, which is a graded requirement for this course. After-school practices, performances, and festivals are required. Students must audition for this class.

### **Art Foundations 1 (all grades) 0.5 credit**

*Semester*

Art Foundations is an introductory art class which studies composition, the elements of art and the principles of design through drawing, painting, and printmaking. Students will explore a broad variety of art tools, techniques, and materials while mastering each art concept.

**Visual Storytelling (all grades) 0.5 credit**

*Semester*

This class will venture into the wonderful world of illustration and communicating a story through images. We will explore what illustration is, how it can be used, various methods of creation, and how to communicate an idea clearly and effectively through composition, shape, and context clues. The students will explore the application of various mediums and techniques, such as collage, watercolor, colored pencil, pen and ink, acrylic paint, and mixing multiple types of mediums together. The class will also explore the art styles of various illustrators to help gain further appreciation.

**Art Foundations 2-Book Arts (all grades) 0.5 credit \*Prerequisite: Art Foundations 1**

*Semester*

This course explores the Elements of Art (line, shape, form, value, color, texture, and space) and the Principles of Design (balance, emphasis, movement, pattern, proportion, repetition, rhythm, unity, and variety) through the art form called Book Arts. You will learn about the history of books; be introduced to a variety of book artists; look at the relationship between image and text; experiment with diverse types of printmaking and transferring techniques; and learn how to make a collection of book forms focusing on content, construction, and creativity through a variety of projects.

**Drawing (all grades) 0.5 credit \*Prerequisite: Art Foundations 1**

*Semester*

This class will explore and develop the skill of drawing. We will practice using proper measuring, observation, application of mediums, applying value to drawings to create form, composition, and explore the principles of design. We will also explore how to use photo references to aid you in drawing. Different mediums will also be discussed and experimented with, such as ink, charcoal, and graphite.

**Art in Nature (all grades) 0.5 credit \*Prerequisite: Art Foundations 1**

*Semester*

This class will explore and improve the skill of drawing and painting while learning about the natural world! The class will also develop student's observation skills to better study nature to make compelling art studies. The students will implement the use of physical items, photo references, and in-person observations to aid in the creation process. The students will learn how to use various mediums, such as graphite, watercolor, chalk pastel, acrylic paint, colored pencil, and ink.

**Painting (8th and 9th grades) 0.5 credit \*Prerequisite: Art Foundations 1 and Drawing**

Semester

This is an introductory class to painting where you will learn about and experiment with the characteristics of watercolor and acrylic, along with practicing techniques specific to the use of fluid mediums. You will also learn about a variety of visual artists, both classic and contemporary, who are primarily painters, along with art movements and art history. You will continue to consider how the Elements of Art (line, shape, form, value, color, texture, and space) and the Principles of Design (balance, emphasis, movement, pattern, proportion, repetition, rhythm, unity, and variety) play a role in your process and product. Throughout the course, you will practice intent, process, and refinement.

**Arts Bridge Jr: Public Art (9th grade) 0.5 credit \*Prerequisite: Art Foundations 1 and Art Foundations 2**

Semester

This course provides students with an experiential learning opportunity to participate in and create a collaborative based-learning project - designed through the lens of visual art – with a community

organization – NDPA. We will look at answering the following Big Question throughout the semester - How does public art integrate environment, community engagement, purpose, and message? - as we explore, learn about, and engage in studying

## **Physical Education & Health**

**Physical Education 7 (7<sup>th</sup> grade) 0.5 credit**

*Semester*

This course focuses on a variety of fitness activities, sports, and games with an emphasis on leadership, courtesy, respect, and sportsmanship. This course also provides instruction aimed at improving and maintaining physical fitness and continuing team sports participation.

**Health (8<sup>th</sup> grade)**

*Semester*

Health Education offers students an opportunity to acquire knowledge, practice skills, and develop attitudes that can benefit students throughout life. Building a solid foundation of good literacy and decision-making skills can contribute to a variety of healthy choices for self and others.

### **Physical Education/Skills and Techniques (9<sup>th</sup> grade) 0.5 credit**

*Semester*

An individualized, concepts-based, one-semester course designed to give students the knowledge and skills necessary to self-assess, create, conduct, evaluate, and redesign personal fitness programs. It is required of all students and there are no substitutions, including participation in athletics. The course is a combination of classroom and activity-based learning activities with a focus on proper nutrition and proficiency in skills and concepts necessary for students to become accomplished monitors of their personal lifetime fitness. Through participation, students learn to compare the fitness benefits in a variety of individual and team activities (*required for high school graduation*).

### **Physical Education 2 (all grades) 0.5 credit**

*Semester*

This physical education class is for those wanting to have more than the required PE curriculum and set goals to improve personal fitness.

### **Social Dancing (all grades) 0.5 credit**

*Semester*

Social Dance is a co-ed class which will offer the opportunity to explore Latin Dance such as Flamenco, Tango, Cha-cha, Zumba and more. Focus will be on basic moves, historical background, and social etiquette.

## **Sciences**

### **Integrated Science 7 (7<sup>th</sup> grade) 1.0 credit**

*Year*

Physical Science 7 is a foundation course which emphasizes basic science concepts with real-life applications. Topics include classification systems, cell genetics, ecology, and the environment. Although this course focuses on life sciences, physical and earth science topics that deal with the structure and organization of the natural world have been included to help students recognize integrated nature of science.

### **Integrated Science 8 (8<sup>th</sup> grade) 1.0 credit**

*Year*

This course introduces students to the theme of change and its influence on the environment. Because the course focuses on physical, earth and life sciences, students gain a clearer picture of relationships in the natural world. This hands-on course allows students to explore areas of particular interest.

### **Earth Science (9<sup>th</sup> grade) 1.0 credit**

*Year*

This class meets the general science requirements for ninth grade. The course explores Earth, geological change, and the interaction of atmosphere, hydrosphere, and biosphere. This course builds upon students' experience with integrated science in grades seven and eight and is the springboard for success in biology, chemistry, geology, and physics. Two primary goals associated with the understanding of how systems interact are: (1) students will use science as a process of obtaining knowledge based on observable evidence, and (2) students' curiosity will be sustained as they develop the abilities associated with scientific inquiry.

## **Social Studies**

### **Utah Studies (7<sup>th</sup> grade) 0.5 credit**

### *Semester*

In this course, students will be introduced to noteworthy events, people, diverse cultures, and issues that have influenced Utah's social and cultural development. The course will also focus on historical, political, economic, and geographical factors. Special attention will be given to the development of higher-level thinking skills, study skills and organization.

### **U.S. History (8<sup>th</sup> grade) 1.0 credit**

#### *Year*

U.S. History is a course which encourages students to explore America's heritage from its beginnings to reconstruction. Emphasis will be placed upon the social and cultural backgrounds of Americans as well as economic and geographic factors, particularly during the 1800's. Students will develop higher level thinking skills in relation to culture and leadership perspectives.

### **Geography (9<sup>th</sup> grade) 0.5 credit**

#### *Semester*

In this course, students will be introduced to the inter-relationships between our physical and cultural worlds. Students will explore how geography influences behavior and the role it plays in the economic, political, social, cultural, and historic development of countries. Geographical skills will be emphasized including map reading/making, vocabulary, interpretations of geographical charts, and a study of the Americas, Europe, and northern Eurasia.

## **Spanish instruction**

\*Spanish is a required full year class every year at NDPA. Dual Language Immersion (DLI) is a lottery driven program\*

### **Spanish 1 (7<sup>th</sup> Grade) 1.0 credit**

#### *Year*

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 are introduced.

### **Dual Language Immersion (DLI) Spanish 3 (7<sup>th</sup> Grade) 1.0 Credit**

#### *Year*

This course will focus on the continued development of speaking, listening, reading, and writing skills. Narratives and dialogues are used to teach structure and vocabulary. Culture and geography of the native country are taught through reading selections.

### **Spanish 2 (8<sup>th</sup> Grade) 1.0 credit**

#### *Year*

More emphasis is placed on accuracy and proficiency in the four basic skill areas. This includes the study of related culture, history, and geography.

### **Dual Language Immersion (DLI) Spanish 4 (8<sup>th</sup> Grade) 1.0 credit**

#### *Year*

This course will focus on the continued development of speaking, listening, reading, and writing skills. Narratives and dialogues are used to teach structure and vocabulary. Culture and geography of the native country are taught through reading selections.

### **Spanish 3 (9<sup>th</sup> Grade) 1.0 credit**

### *Year*

Spanish 3 is an intermediate course that focuses on using the language in authentic situations in speaking, writing, listening, and reading. Students will begin to recognize and use past tense along with present tense. The study of related culture and history continues in this course.

### **Dual Language Immersion (DLI) Spanish 5 (9<sup>th</sup> Grade) 1.0 credit**

#### *Year*

This course builds on language skills acquired in Spanish DLI 3 and 4. Structure and vocabulary are taught using authentic texts. Student proficiency will increase through the study of the AP Spanish themes. Students will prepare to take the AP exam at the end of the school year.

### **Dual Language Immersion Spanish Culture and Media (7<sup>th</sup> – 9<sup>th</sup> Grade) 0.5 credit**

#### *Semester*

This is a .5 repeating elective for students involved in the Dual Language Immersion sequence. The course will build skills in cultural-linguistic competencies necessary for successful communication with native speakers (reading, writing, speaking, and listening). Students utilize media and authentic texts to discuss the diverse cultural products, practices, and perspectives of the Spanish-speaking world. *\*Dual immersion students only.*

## **Miscellaneous Electives**

### **Leadership (all grades) 0.5 credit**

#### *Semester*

Leadership is more than a title it is the application of social science principles and the art of communication. Lead or Follow. Leadership is everywhere. This course will help students learn more about themselves, hone their skills in understanding and motivating others in their efforts to have a positive impact within the global community.

### **Student Study Skills (all grades) 0.5 credit**

#### *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.

### **Peer Leadership (all grades) 0.5 credit**

#### *Semester*

This course provides opportunities for students to develop their tutoring skills in a lab setting. They will tutor younger students and be assisted by faculty in various subjects. This course provides job shadowing experience with secretaries, teachers assistants, and/or teachers in the classroom.

### **Student Government (all grades) 0.5 credit**

#### *Semester*

Students Government is a program designed to teach leadership, cooperation, and other social skills. It is a class run mostly by the student leaders under the direction of an advisor. Student Government plans and directs school activities (i.e., dances, contests) and assemblies during the year. They are also responsible for promoting school spirit, sponsoring a school-wide service project, and implementing other activities as assigned by the administration and/or advisor.

### **Mock Trial (all grades) 0.5 credit**

#### *Semester*

In this course, students learn the knowledge of the judicial system, legal processes, and courtroom procedures. Students will reenact a judicial proceeding based on historical events, cases of contemporary interest, school events, or hypothetical situations.

### **Yearbook and Creative Writing (all graded) 0.5 credit**

#### **Semester**

During the first semester, students will learn basic skills to create our printed yearbook. This includes the basics of photography, camera usage, and compositional skills. We will also focus on layout and page design. Writing assignments will include interviewing techniques, caption writing, and printed story methods, including polls, surveys, feature stories, and headline construction. In addition, we will focus on ethics in journalism, including libel, copyright, and proper use of trademarked materials. A special emphasis will be on staying organized, teamwork, critiquing, editing, and meeting authentic deadlines. Assignments will be within the school and extend into the community

During the second semester, students will do some yearbook work, but more creative writing. They will write poems, short stories, plays, news stories, comic strips, children's books, an autobiography, and other types of writing that express creativity. Students will also study writing samples from professional writers as well as student writers to guide student progress.

### **English Language Learner - ELL (all grades) 0.5 credit**

#### *Semester*

This course is an intense, comprehensive reading intervention program used to increase students' reading levels in English. The program consists of whole and small group direct instruction, independent reading, writing practice, and computer-based individualized instruction. Teacher approval is needed to enroll in this course.