

PATHWAYS

Animation

<input type="checkbox"/>	Animation 1 Year 1	8008	Students who follow the Game Design and Integration pathway prepare for careers within the game design industry and in related technical fields. Students will develop foundational knowledge in game design, animation, graphics, and computer software and hardware. They will apply skills in Mathematics, Physics, English Language Arts, Social Science, and Entrepreneurship. Most importantly, students will learn the twenty-first century skills of creativity, critical thinking, communication, collaboration, and technical expertise, which will increase employment capacity across the job market.
<input type="checkbox"/>	Animation 2 Year 2	8450	

Public Safety

<input type="checkbox"/>	Forensic Science Year 1 Grades 9-11 (Concentrator) (A-G)	7952	The Public Safety pathway prepares students with a broad-based foundational knowledge in careers that involve public safety. The educational foundation will assist students who wish to pursue related professional training at the postsecondary level. Students will gain experience through classroom instruction, hands-on training, and community exercises. The evolving integration of state public safety organizations, their connections with federal and state intelligence and security agencies, interoperability and coordination of effort, and the shared mission to protect the public in a post-9/11 world are areas of emphasis for the pathway. The careers included in this pathway primarily address law enforcement services, homeland and cybersecurity services, and correctional services.
<input type="checkbox"/>	Administration of Justice Year 2 Grades 10-12 (Capstone)	7950	

Arts Media and Animation

<input type="checkbox"/>	Year 1 Technology (A-G) Video	7243	Of all the career industries, the Arts, Media, and Entertainment sector requires perhaps the greatest cross-disciplinary interaction because the work in this sector has a propensity to be largely project-based, requiring both independent work and interdependent management skills for career success. Careers in the Arts, Media, and Entertainment sector fall into four general pathways: Design, Visual, and Media Arts; Performing Arts; Production and Managerial Arts; and Game Design and Integration. Learning the skills and knowledge for creating, refining, and sharing work in the Arts, Media, and Entertainment industry sector promotes teamwork, communication, creative thinking, and decision-making abilities—traits that are necessary to function successfully in the competitive and media-rich twenty-first century. Through the manipulation of sight, sound, and motion, those choosing a pathway from this sector reach out in unique ways to enhance the quality of life for those around them.
<input type="checkbox"/>	Year 2 Filmmaking (Concentrator) (A-G) Digital	7244	
<input type="checkbox"/>	Year 2 Broadcasting (Concentrator) (A-G) TV	7244	
<input type="checkbox"/>	Year 3 Production (Capstone) (A-G) Video	7245	

Cabinetry, Millwork, Woodworking Pathway

<input type="checkbox"/>	Fine Woodworking 1 Year 1 (A-G) Grades 10-11	7311	The Cabinetry, Millwork, and Woodworking pathway provides learning opportunities for students interested in preparing for careers in cabinet construction, millwork, finish carpentry, and furniture making for both production and custom products.
<input type="checkbox"/>	Advanced Woodworking Year 2 Grades 11-12	7312	
<input type="checkbox"/>	Furniture Design and Construction Year 3 (Grade 12)	7341	

Performing Arts

<input type="checkbox"/>	Intro to Theater Arts Year 1 Grades 9-10 (Concentrator) (A-G)	7236	
<input type="checkbox"/>	Play Production Year 2 Grades (10-12) (Capstone) (A-G)	7244	

The Performing Arts pathway focuses on the direct creation of art and

Drone

<input type="checkbox"/>	Unmanned Aircraft Systems and Safety: UAS Foundations (Grades 10-11)	9342	The course provides an understanding of the capabilities and limitations of Unmanned Aircraft Systems (UAS), commonly referred to as drones. Students are provided with the opportunity to gain a holistic view of concerns facing UAS integration into the National Airspace.
<input type="checkbox"/>	Unmanned Aircraft Systems and Safety: UAS Applications (Grades 11-12)	9342	In the Unmanned Aircraft Systems (UAS) Applications course, students study how unmanned aircraft are used to accomplish a variety of tasks in a complex environment. Students learn how remote pilots apply drone technology to commercial, scientific, and government enterprises while respecting physical and regulatory limitations.

Design, Visual, and Media Arts

Professional Music			entertainment by the individual artist instead of through a secondary physical medium. Performing artists are themselves the medium of creative expression.
<input type="checkbox"/>	Chorus Year 1 Grades 9-11 (Concentrator) (A-G)	7234	
<input type="checkbox"/>	Pop Ensemble Year 2 Grades 10-12 (Capstone) (A-G)	7235	

<input type="checkbox"/>	Photo Commerical Art Year 1 (Grades 9-11) (Concentrator)	7217	The Design, Visual, and Media Arts pathway includes those occupations that use visual art, digital media, and Web-based tools and materials as the primary means of communication and expression. In addition to an understanding of current workplace practice, this career pathway requires the development of knowledge and skills in both visual art concepts as well as new and emerging digital processes by which individuals are able to create and communicate complex concepts in a broad range of occupations and professions.
<input type="checkbox"/>	Digital Photography II Year 2 (Grades 10-12) (Capstone) (A-G)	7218	
<input type="checkbox"/>	AP Art 2-D Year 3 (Grades 11-12) (Capstone) (A-G)		

Patient Care			
<input type="checkbox"/>	Sports Physical Therapy Year 1 Grades 9-11 (Concentrator) (A-G)	5193	The standards in this sector represent the academic and technical skills and knowledge students need to pursue a full range of career opportunities in health science and medical technology, from entry level to management as well as technical and professional career specialties. The standards describe what workers need to know and be able to do to contribute to the delivery of safe and effective health care. The six career pathways are grouped into functions that have a common purpose and require similar attributes.
<input type="checkbox"/>	Advance Physical Therapy Year 2 Grades 10-12 (Capstone) (A-G)	5194	

Education			
<input type="checkbox"/>	Intermediate Education Grades 10-11 (A-G)		This concentration course prepares students for professional or learning support positions in education, prekindergarten through grade twelve. Students study human development; standards, regulations, and codes; positive guidance and counseling techniques; age-appropriate and grade-appropriate learning strategies; learning theories; and standards-based curriculum and instructional design.
<input type="checkbox"/>	Advanced Education Grades 11-12 (A-G)		This capstone course builds on concentration course content and is the final course taken in the Education Pathway sequence. Students are prepared for a career or further postsecondary training. Students can apply and practice their knowledge and skills at a variety of elementary and secondary education sites. In addition, students will complete fieldwork at a feeder school in a classroom under the guidance of a mentor teacher. Note: The students in the course belong to a California Partnership Academy

Computer Science			
<input type="checkbox"/>	Intro to Computer Science		Introduction to Computer Programming is the first course in computer programming using the Python programming language. This course covers basic programming concepts such as variables, operations, input/output, control of flow, iteration, functions, and data types. One goal of this course is to give students a solid foundation in Python, upon which they could build with further study.
<input type="checkbox"/>	AP Computer Science Principles		AP Computer Science Principles is an introductory college-level computing course. Students cultivate their understanding of computer science through working with data, collaborating to solve problems, and developing computer programs as they explore concepts like creativity, abstraction, data and information, algorithms, programming, the internet, and the global impact of computing.

Welding			
<input type="checkbox"/>	Semester 11-12	Welding 1 Grades	9050
			Fundamentals of welding processes related to the areas of fabrication, construction, machine tool, aerospace and the transportation industries.

ELECTIVES & PHYSICAL EDUCATION

BAND

<input type="checkbox"/>	Beginning Band Grades 9-12	8210	Beginning Band is designed for incoming freshmen and other students who have had some sort of instrumental music prior to Northview High School.
<input type="checkbox"/>	Intermediate Band Grades 9-12	8220	Beginning Band is designed for incoming freshmen and other students who have had some sort of instrumental music prior to Northview High School.
<input type="checkbox"/>	Advanced Band Grades 9-12	8230	This course develops major performing organizations which perform at school and community functions. Playing techniques, tone, intonation, balance, marching skills, and teamwork are among the skills emphasized.
<input type="checkbox"/>	Marching Band Grades 9-12	8240	This course is open to students who have expressed an interest in performing with the marching band.
<input type="checkbox"/>	Jazz Ensemble Grades 9-12	8390	This course is open to students who have expressed an interest in performing with the marching band.

Physical Education (PE)

<input type="checkbox"/>	Course 1-2 Intro to Kinesiology/ Physical Education Grades 9-12	O144	In this co-educational course, students dress in regulation uniform, participate daily, and are expected to demonstrate progress in prescribed activities. Students develop physical skills applicable to sports, fitness, and recreational activities. This course is designed to give students the opportunity to learn through a comprehensive sequentially planned Kinesiology and Physical Education program in accordance with the California Model Content Standards for Physical Education.
<input type="checkbox"/>	Coed Physical Education Elective Activities Grades 11, 12	O250	In this required course, students dress in regulation uniform, participate daily, and are expected to demonstrate progress in prescribed activities. Students develop physical skill applicable to individual and dual activities and recreational games. There is continued emphasis on the development and maintenance of an optimal level of physical fitness.
<input type="checkbox"/>	Body Building/Figure Control Grades 10- 12	O254	This course develops major performing organizations which perform at school and community functions. Playing techniques, tone, intonation, balance, marching skills, and teamwork are among the skills emphasized.
<input type="checkbox"/>	PE PEP Grades 9-12	O720	This course is structured to support athletic events, games, rallies and various state and community competitions.
<input type="checkbox"/>	Sports - Grades 9-12	O600/ O790	Students enrolled in this course participate in competitive athletics. They gain leadership experience and develop positive attitudes relating to sportsmanship and fair play.

AP CAPSTONE

<input type="checkbox"/>	AP Seminar		AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives.
<input type="checkbox"/>	AP Research	2182	AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question.

Art

<input type="checkbox"/>	Art Appreciation I (9,10,11,12) UC,CSU	8007	DESCRIPTION
<input type="checkbox"/>	Advanced Art (P) Grades 10,11,12	8040	Prerequisite: Successful completion of two semesters of Intermediate Art and instructor approval.
<input type="checkbox"/>	Advanced Placement (AP) Studio 2D Art	8090	Prerequisite: One-year successful completion of a related studio arts course with a grade of B or better, instructor approval.

AVID

<input type="checkbox"/>	AVID Grades 9 – 11	9870	This course is an elective course in which students are tutored in all academic areas by college students both individually and in small groups. Advancement Via Individual Determination (AVID) teaching methods and materials are used with particular emphasis given to English-Language Arts and Mathematics.
<input type="checkbox"/>	AVID Senior Seminar Grade 12	9871	The AVID Senior Seminar is the culmination of a student's previous years in the AVID program. The AVID Senior Seminar is a two-year multidisciplinary course for AVID juniors and seniors. The course is designed for those students who elect to take a course that prepares them for the rigor required for college work.

WORLD LANGUAGES

Spanish			
<input type="checkbox"/>	Spanish I (1st Year) Grade 10 UC, CSU	4130	Proficient use of the language (understanding, speaking, reading, and writing) is an eventual goal. An oral approach to language learning is used, with ample reading and writing practice. This course fulfills the college requirement for one year of a foreign language at the high school level, as well as the foreign language/fine arts requirement for high school graduation. <i>Prerequisite: "B" in English or English instructor approval</i>
<input type="checkbox"/>	Spanish II (2nd Year) Grade 11 UC, CSU	4140	This course continues the work begun in Spanish Level I, with the increased introduction of reading materials in the second semester while continuing the emphasis on communication skills. <i>Prerequisite: "C" in Spanish Level I or instructor approval.</i>
<input type="checkbox"/>	Spanish III (3rd Year) Grade 12 UC, CSU	4150	This course emphasizes language usage through listening, speaking, reading and writing. <i>Prerequisite: "C" in Spanish Level II or instructor approval.</i>

<input type="checkbox"/>	Advanced Placement (AP) Spanish Language Year 1 Grade 11 UC, CSU	4270	This course stresses oral skills, composition and grammar. Emphasis is placed on acquiring the ability to express oneself from extemporaneous conversation-making to the composition of essays. Students must achieve a semester grade of at least a "B" or have the instructor's approval to remain in this course or to enroll in the next course in the sequence. <i>Prerequisite: Spanish III.</i>
<input type="checkbox"/>	Advanced Placement (AP) Spanish Literature Year 2 Grade 12 UC, CSU	4275	
<input type="checkbox"/>	Spanish for Spanish Speakers Year 1 Grades 9-12	4200	

SOCIAL SCIENCES

<input type="checkbox"/>	American Government Semester Grades 12 UC, CSU	4130	This course enables students to pursue a deeper understanding of the institutions of American government. They compare systems of government in the world today and analyze the life and changing interpretations of the Constitution, the Bill of Rights, and the current state of the legislative, executive and judiciary branches of government.
<input type="checkbox"/>	Economics (P) Grade 12 UC, CSU Semester	2290	This course will emphasize the principles of economics and of our economic system. Information will be included which will assist students in making reasoned judgments about economic questions in matters of economic policy as well as narrower, but significant, personal economic questions.
<input type="checkbox"/>	Psychology (P) Semester Grades 11,12 UC, CSU	2840	This college preparatory elective course is designed to provide the student with a general survey of the broad field of psychology, a fundamental knowledge of basic terms used in the field, an opportunity to explore current therapeutic methods, and an opportunity to explore physiological states, perception, cognition, motivation, memory, learned behavior, growth and development, social groups, emotions, personality and disorders.
<input type="checkbox"/>	Advanced Psychology Year Grades 11 & 12 UC, CSU	2845	<i>Prerequisite: College preparatory course of study and a "C" or better in Psychology.</i> This course is, in part, an in-depth survey of the field of psychology that includes human growth and development, personality development and mental health. It is also an opportunity to analyze in writing and discussion student's own personality, talents and goals and introduce peer counseling.
<input type="checkbox"/>	Sociology (P) Semester Grades 11,12		

<input type="checkbox"/>	United States History/ Geography (P) Year Grade 11 UC, CSU	2130	This course examines the major turning points in American history in the 20th century. Following a review of the nation's beginnings and the impact of the Enlightenment on U.S. democratic ideals, students build upon the tenth-grade study of global industrialization to understand the emergence and impact of new technology and a corporate economy, including the social and cultural effects.
<input type="checkbox"/>	Advanced Placement (AP) United States History (H) Year Grade 11 UC, CSU	2840	Advanced Placement American History is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States History. Students will learn to assess historical materials--their relevance to a given interpretive problem, their reliability, and their importance--and to weigh the evidence and interpretations presented in historical scholarship.
<input type="checkbox"/>	World History/Cultures (P) Year Grade 10 UC, CSU	2090	Students in grade ten study major turning points that shaped the modern world, from the late 18th century through the present, including the cause and course of two world wars. They trace the rise of democratic ideas and develop an understanding of the historical roots of current world issues, especially as they pertain to international relations.
<input type="checkbox"/>	Advanced Placement (AP) World History (H) Year Grade 10 UC, CSU	2055	The purpose of the AP World History course is to develop greater understanding of the evolution of the global process and contacts, in interaction with different types of human societies. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies.
<input type="checkbox"/>	Pre-AP World History (A-G) Grade 9		Pre-AP World History and Geography has seven units—one geography unit and six world history units that cover different historical periods. The geography unit is universal; all schools must teach it. Out of the six world history units, schools choose and implement the three consecutive units that best align with their local and state standards. Schools don't teach all six world history units.

ENGLISH

English 9th Grade			
<input type="checkbox"/>	Pre-AP ELA 9 Grade 9 Year UC, CSU	1174	Pre-AP English 9 focuses on the close reading, analytical writing, and language skills that have immediate relevance for students across their current courses and that are most essential for their future work in high school, college, and careers. Texts take center stage in the Pre-AP English 1 classroom, where students engage in close, critical reading of a wide range of materials.
<input type="checkbox"/>	Pre-AP ELA 9 (H) Grade 9 Year	1175	Pre-AP English 9 focuses on the close reading, analytical writing, and language skills that have immediate relevance for students across their current courses and that are most essential for their future work in high school, college, and careers.

English 10th Grade			
<input type="checkbox"/>	Composition & Literature II Grade 10 Year UC, CSU	1270	<i>Prerequisite: Composition and Literature I. Sophomore Standing</i> This course will create 21st century learners who will demonstrate creativity in collaboration, effective communication, and critical thinking. Using literature, writing, technology, and visual media, this course is designed to develop students' ability to decode various documents, such as historical speeches, classical artwork, newspaper and other informational texts, blogs, web sites, Tweets, advertisements, and fiction from multiple time periods and perspectives.
<input type="checkbox"/>	AP Seminar Sophomore English Year	2181	AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances.

English Language Learners			
<input type="checkbox"/>	ELD IA – Beginning English Language Development - Grades 9-12	1069	These courses are designed to provide ELL's with the skills identified in the California ELD Standards that are need to progress to the intermediate state of ELD. Completion of 1069 provides elective credit. Completion of 1070 provides English credit. These courses must be taken simultaneously. Prerequisite: Counselor placement.
<input type="checkbox"/>	ELD IB – Beginning English Language Development - Grades 9-12	1070	

English 11th Grade			
<input type="checkbox"/>	Composition and Literature III (P) CCSS Grade 11 UC, CSU	1301	<i>Prerequisite: Successful completion of Composition and Literature CCSS I and II</i> This course offers an in-depth study of core literary works from American literature that ranges from Pre- Colonial period to the present. Using a balance of reading material, including literature and informational text, this course is designed to develop and reinforce literary concepts, enhance knowledge and appreciation of language, encourage analysis and critical thinking, and develop and extend speaking, listening and writing skills as they relate to the Common Core Standards.
<input type="checkbox"/>	Advanced Placement (AP) English Language and Composition (H) Year Grade 11 UC, CSU	1910	<i>Prerequisite: Instructor/counselor approval.</i> This course trains students to examine linguistic and rhetorical conventions through examples of literature that range from the Greek classics to the late 20th Century. During the course of the year, students study various modes of discourse related to a particular topic, period, and theme and will also develop some of the same flexibility in their own writing. This understanding is measured by the complexity and depth, not necessarily the quantity, of the student's oral and written expression. Students may expect to be prepared, at the conclusion of this course, to take with confidence the Advanced Placement Examination in the field of Language and Composition. (Fee for AP Exam TBA)

English 12th Grade			
<input type="checkbox"/>	Expository Reading and Writing Grade 12 UC, CSU Year	1571	<i>Prerequisite: Composition and Literature III. Senior Standing.</i> This course consists of a template that organizes and guides 14 course modules and is composed of a sequence of integrated reading and writing experiences, beginning with pre-reading activities, moving into reading and post reading activities, and continuing through informal and formal writing assignments
<input type="checkbox"/>	Advanced Placement (AP) English Literature and Composition (H) Grade 12 Year	1920	This course is primarily concerned with understanding and responding analytically to works of recognized literary merit which reflect cultural and ethnic diversity. This understanding is measured by the complexity and depth, not necessarily the quantity, of the student's oral and written expression. Students may expect to be prepared, at the conclusion of this course, to take with confidence the Advanced Placement examination in the field of Literature and Composition. (Fee for AP Exam TBA.)

<input type="checkbox"/>	ELD III – English Language Development - Grades 9-12	1078	This course is designed to provide ELLS with the skills identified in the CELDT to progress to Fluent English Proficiency (FEP). This course provides elective credit. Prerequisite: Completion of ELD II and California English Language Development Test (CELDT) proficiency level of Early Advanced (EA) or higher. Concurrent enrollment in grade-level composition/literature course.	
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SCIENCE

9th Grade				10th Grade			
<input type="checkbox"/>	Pre-AP Biology UC, CSU Year		The Pre-AP Biology course emphasizes the integration of content with science practices—powerful reasoning tools that support students in analyzing the natural world around them. This ability is one of the hallmarks of scientific literacy, and it cultivates a more sustainable pathway to numerous college and career opportunities in science as well as numerous natural and social sciences.	<input type="checkbox"/>	Chemistry (P) - Grades 10-12 UC, CSU Year	5080	This course involves the students with the processes and concepts of chemistry by developing problem solving skills, laboratory skills and scientific reasoning. Students will be able to apply their understanding of chemistry concepts to the processes of everyday life.
<input type="checkbox"/>	Pre-AP Biology (H) UC, CSU Year		The Pre-AP Biology course emphasizes the integration of content with science practices—powerful reasoning tools that support students in analyzing the natural world around them. This ability is one of the hallmarks of scientific literacy, and it cultivates a more sustainable pathway to numerous college and career opportunities in science as well as numerous natural and social sciences.	<input type="checkbox"/>	Chemistry (H) Grades 10-12 UC, CSU	5085	<i>Year Prerequisite: Completion of Biology and Algebra I with A or B. Either completion of or concurrent enrollment in International Math II. Teacher recommendation and approval.</i> This course acquaints the student with not only the basic concepts and processes of Chemistry but goes into more depth and covers more information than the general college prep Chemistry course. This course will also develop problem solving skills by going into the mathematics of Chemistry to a greater depth. Students will also enhance their laboratory abilities by not only doing general high school labs but also labs that require more time and more sophisticated equipment.
<input type="checkbox"/>	Conceptual Physics UC, CSU Year	5105	This course is a standards-based study of fundamental physics concepts, such as measurement, calculation, and graphing in kinematics and dynamics, propagation and conservation of energy and momentum, gravitation and orbital mechanics, waves, optics, electromagnetic phenomena, and relativity and quantum physics. Conceptual physics focuses more on the ideas and concepts of physics rather than the complex math that helps to explain the concepts.	<input type="checkbox"/>	Advanced Placement (AP) Biology – Grades 10, 11 UC, CSU Year	5050	<i>Prerequisite: Biology and Chemistry with and "A" or "B" grade; GPA 3.2 or higher; instructor approval</i> This course aims to provide students with the conceptual framework, factual knowledge and analytical skills necessary to deal critically with the rapidly changing science of biology. The course will enable students to develop a solid understanding of the principal concepts of biology. The course will stress the basic facts and the synthesis of these facts into major concepts and themes. The 12 AP labs developed by the College Board are conducted outside the regular class schedule. The background provided by the 12 labs is critical for successful placement.
11th & 12th Grade							
<input type="checkbox"/>	Anatomy and Physiology 11th,12th- UC, CSU Year	5046	<i>Prerequisite Biology. Algebra 1 or International Math 1</i> This is course 1 on human anatomy and physiology. Anatomical structures and their functions for each of the major body systems are studied. Interaction between the body systems and how those interactions allow the human body to maintain homeostasis will be studied extensively. The effects of aging and system/organ failure on body function are also studied.	<input type="checkbox"/>	Advanced Placement (AP) Physics I - Grades 11& 12 UC, CSU Year	5117	<i>Prerequisite: Algebra 2</i> Students in high school that satisfy the prerequisite will study the laws and theories of physics that govern the world, solar system, and galaxy as we know it. They develop an understanding for everything that physics entails from laws of motion to electromagnetism to nuclear physics to light and sound to fluid mechanics. The students will memorize fundamental values in physics such as gravity, Planck's constant, density of water, standard air pressure, speed of light.
<input type="checkbox"/>	Physics		<i>Prerequisite: Math II</i> Physics is a laboratory course that provides a systematic understanding of the fundamental principles of physical phenomena that govern chemical, biological, terrestrial, and astronomical processes. The course provides a foundation for the intensive studies of most of the other sciences and for an understanding of many technological applications of science. Major areas of content include mechanics, work and energy, wave motion, light, electromagnetism, modern atomic, and nuclear physics. Science attitudes, thinking processes and skills, and applications of science and technology to social problems and personal decision making are emphasized.	<input type="checkbox"/>	Environmental Science 11th & 12th UC,CSU Year		<i>Prerequisite- International Math 1</i> This course is a comprehensive study of how geologic processes influence and interfere with human activities. This course will involve in-depth studies of many geological processes and, through the use of case studies and geologic analysis, students will understand how these processes impact humans. This course will also explore how to mitigate, avoid, and/or prepare for geologic hazards and the social, economic, and political priorities that need to be taken into account