

CASMAN Alternative Academy

Course Catalog



CASMAN Alternative Academy
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COURSE OFFERINGS and REQUIREMENTS

<p>ART Art History and Appreciation* Structure of Writing*</p> <p>ENGLISH English 9 English 10 English 11 English 12</p> <p>MATHEMATICS Math 7 Math 8 Algebra I Geometry Algebra II Financial Mathematics*</p> <p>PHYSICAL EDUCATION Physical Education Health</p> <p>SCIENCE Physical Biology Earth Science</p> <p>SOCIAL STUDIES US History World History Civics* Economics*</p> <p>SPECIAL ARRANGEMENTS Resource Room</p> <p>WORLD LANGUAGE Spanish 1* Spanish 2*</p>	<p>ELECTIVES Academic Success Business English* Career Development* Computing for College and Career* Social Issues* World Geography*</p> <p>*Course is offered online</p>	<p>GRADUATION REQUIREMENTS ART – 1 credit ENGLISH – 4 credits Required Courses: English 9 - 12 MATHEMATICS – 4 credits Required Courses: Algebra I Algebra II Geometry PE & HEALTH – 1 credit SCIENCE – 3 credits Required Courses: Earth Science Biology Physical Science SOCIAL STUDIES – 3 credits Required Courses: US History World History Civics Economics WORLD LANGUAGE – 2 credits ELECTIVES – 4 credits</p>
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ART

ART HISTORY & APPRECIATION

(2 quarters)

Grade Level: 9, 10, 11, 12

Prerequisites: None

Available Online

This course explores the main concepts of art, expression, and creativity as it helps students answer questions such as what is art; what is creativity; and how and why people respond to art. It covers essential design principles such as emphasis, balance, and unity. Units include: Art, History, and Culture; Western and World Art Appreciation; and Art and the Modern World.

STRUCTURE OF WRITING

(2 quarters)

Grade Level: 9,10, 11, 12

Prerequisites: None

Available Online

This course focuses on building good sentences. Students will learn how to put words, phrases, and clauses together and how to punctuate correctly. They will start using sentences in short compositions. As an extra bonus, students will add some new words to their vocabulary, and they will practice spelling difficult words. Near the end of the course, students are to submit a book report

ENGLISH

ENGLISH 9

(4 quarters)

Grade Level: 9

Prerequisites: None

Also Available Online for Credit Recovery

This course is to help students develop a deeper awareness of reading, writing, and language skills essential to all students. Emphasis is on the development of individual reading and writing skills for a variety of tasks and purposes. Students develop these skills through reading, analyzing, and emulating styles and techniques found in a variety of genres including the short story, the novel, drama and poetry. Writing assignments include literary analysis, compositions, creative writing, reflective journals as well as various other shorter assignments.

ENGLISH 10

(4 quarters)

Grade Level: 10

Prerequisites: None

Also Available Online for Credit Recovery

This course is designed to improve student writing by exploring the writing process and by reading and analyzing various forms of literature. Reading improvement and comprehension will be developed through weekly reading activities and sessions of silent sustained reading. The literary genres covered will be plays; expository, persuasive and narrative essays; novels, and short stories. Written and oral communication will be addressed through a variety of activities. Students will also work to prepare the necessary skills for taking standardized tests.

ENGLISH 11

(4 quarters)

Grade Level:11

Prerequisites: None

Also Available Online for Credit Recovery

This course is designed for the community college level bound student and the emphasis is on reading skills, different genres of literature (the short story, the novel and the play), visual literacy, vocabulary development and writing (literature journals, paragraphs, essays and reports). The class will take a thematic approach.

ENGLISH 12

(4 quarters)

Grade Level: 12

Prerequisites: None

Also Available Online for Credit Recovery

This course is modeled after a typical English course at the community college level. A variety of different texts (novels, short stories, news articles, etc.) will complement the writing curriculum as prompts for the student's own personal essays. The four styles of writing will be the focus of the course: Descriptive, Narrative, Expository, and Argumentative. Term B will focus on the research paper.

MATHEMATICS

MATH 7

(4 quarters)

Grade Level: 7

Prerequisites: None

This course builds on material learned in earlier grades, including fractions, decimals, and percentages and introduces students to concepts they will continue to use throughout their study of mathematics. Among these are surface area, volume, and probability. Real-world applications facilitate understanding, and students are provided multiple opportunities to master these skills through practice problems within lessons, homework drills, and graded assignments.

MATH 8

(4 quarters)

Grade Level: 8

Prerequisites: Passing MATH 7 successfully

This course is designed to enable all students at the middle school level to develop a deep understanding of math objectives and leaves students ready for algebra. The first semester covers objectives in transformations, linear equations, systems of equations, and functions. The second semester focuses on scientific notation, roots, the Pythagorean Theorem and volume, and statistics and probability. The course is based on the Common Core State Standards Initiative and on a modern understanding of student learning in mathematics.

Integrated Math I

(4 quarters)

Grade Level: 9, 10, 11, 12

Prerequisites: Passing MATH 8 or Pre-Algebra successfully

Also Available Online for Credit Recovery

This course is to help the student understand the basic structure of algebra and to be able to readily apply the techniques and skills learned to real world situations. Topics to be covered include: algebraic expressions, solving equations (linear and quadratic), systems of equations, graphing, inequalities, as well as other areas of study.

GEOMETRY

(4 quarters)

Grade Level: 10, 11, 12

Prerequisites: Passing Algebra 1 successfully

Also Available Online for Credit Recovery

This course is to expose students to the nature of a deductive system. Topics to be covered include: basics of geometry, investigating geometric polygons such as triangles and quadrilaterals, transformations, measurements in planes and space, deductive and inductive reasoning, properties of parallel lines, proofs which includes proving triangles congruent, similarity, right triangle trigonometry, and circles.

Integrated Math II

(4 quarters)

Grade Level: 10, 11, 12

Prerequisites: Passing Integrated Math I successfully

Also Available Online for Credit Recovery

This course is to strengthen basic computational skills and prepare students to be successful in a first-year college algebra course. This course continues and deepens the experience with linear, quadratic, and exponential functions. Students will be introduced to basic probability and statistics principles. Exponential, logarithmic, rational, radical, polynomial, and trigonometric functions will be explored graphically with an emphasis on modeling and solving real world applications.

Personal Finance

(4 quarters)

Grade Level: 11, 12

Prerequisites: None

Available Online

This course is designed to instruct students in algebraic thinking while also preparing them to navigate a number of financial applications. Students will explore how algebraic knowledge is connected to many financial situations, including investing, using credit, paying taxes, and shopping for insurance. In studying these topics, students will learn about the linear, exponential, and quadratic relationships that apply to financial applications. In addition, the course will help prepare students to tackle the wide variety of financial decisions they will face in life, from setting up their first budget to planning for retirement.

PHYSICAL EDUCATION

PHYSICAL EDUCATION

(2 quarters)

Grade Level: 9, 10, 11, 12

Prerequisites: None

Available Online

This course's three units include Getting Active, Improving Performance, and Lifestyle. The units evaluate student's self-awareness of their health and well-being while examining topics such as diet and mental health.

HEALTH

(2 quarters)

Grade Level: 9, 10, 11, 12

Prerequisites: None

Available Online

This course covers the essential concepts of health. Students are provided with a variety of health concepts and demonstrates their understanding of those concepts through problem solving. The units explore a wide variety of topics that include nutrition and fitness, disease and injury, development and sexuality, substance abuse, and mental and community health.

SCIENCE

PHYSICAL SCIENCE

(4 quarters)

Grade Level: 10, 11, 12

Prerequisites: Algebra I

Also Available Online for Credit Recovery

This course is designed to prepare students for further study in the sciences during high school and equip students with the skills needed to pursue post-secondary education. The content in this course examines the relationships between forces, energy and matter. While studying energy, areas we will cover motion, Newton's laws, gravity, projectile motion, energy forms and transformations, waves, the electromagnetic spectrum, and electricity. Areas we will cover while studying matter include atomic structure, the Periodic Table, chemical bonding, chemical formulas, chemical equations, properties and changes of matter, acids and bases, polymers, and nuclear chemistry. Many of these concepts will be reinforced by applying them in the laboratory. Students will learn to approach and solve problems scientifically.

BIOLOGY

(4 quarters)

Grade Level: 9, 10, 11, 12

Prerequisites: None

Also Available Online for Credit Recovery

This course is designed to prepare students for further study in the sciences during high school and equip students with the skills needed to pursue post-secondary education. This course's content will cover: cell structure and function; bacteria & viruses; genetics; evolution; ecology; and human body system. Many of these concepts will be reinforced by applying them in the laboratory. Students will learn to approach and solve problems scientifically.

EARTH SCIENCE

(2 quarters)

Grade Level: 9, 10, 11, 12

Prerequisites: None

Also Available Online for Credit Recovery

This course is designed to support modern science curriculum and teaching practices. Content topics include scientific processes and methods, the universe, the Precambrian Earth, the Earth's materials and tectonics, the hydrosphere and atmosphere, and human interactions with the Earth's systems and resources.

SOCIAL STUDIES

U.S. HISTORY

(4 quarters)

Grade Level: 9, 10, 11, 12

Prerequisites: None

Also Available Online for Credit Recovery

This course covers US History during the 20th century. Much emphasis and time is placed on the United States' emergence as a modern nation and a world leader. World conflicts, which have affected the history, economic development and society of the United States, are also analyzed.

WORLD HISTORY

(4 quarters)

Grade Level: 10, 11, 12

Prerequisites: None

Also Available Online for Credit Recovery

This course is a comprehensive study of the world. In each of four units (Middle East, East Asia, South Asia & Europe) students learn about the region's geography, history and traditions, as well as the role of religion in the world today.

CIVICS

(2 quarters)

Grade Level: 11, 12

Prerequisites: None

Also Available Online for Credit Recovery

This course is the study of local, state, and national governments. The structure and function of the three branches of government on all levels are reviewed. The major purpose of this course is to increase political knowledge and political behavior so that each student can become an active, contributing and knowledgeable citizen.

ECONOMICS

(2 quarters)

Grade Level: 11, 12

Prerequisites: None

Also Available Online for Credit Recovery

This course is designed to survey economic principles and theory. Topics include: macroeconomics, money, banking and finance, taxation & government spending, and international economic systems. Students will also learn how to make practical economic decisions including credit card use and car buying.

SPECIAL ARRANGEMENTS

RESOURCE ROOM

(16 quarters)

Grade Level: 9, 10, 11, 12

Prerequisites: IEPC (Instructor Approval)

Students may enroll in Resource room classes per IEP. Direct instruction at the appropriate level is available for social studies, math, language arts, science, life skills, and study skills. All credits count towards graduation requirements unless otherwise noted in IEP.

WORLD LANGUAGES

SPANISH 1

(4 quarters)

Grade Level: 9, 10, 11, 12

Prerequisites: None

Available Online

This course is a beginner-level Spanish class. The class emphasizes listening and reading with some practice in speaking and writing while being immersed in the language. In addition, through reading and listening to Spanish, students will learn about the culture and geography of the Spanish speaking world.

SPANISH 2

(4 quarters)

Grade Level: 10, 11, 12

Prerequisites: Spanish 1

Also Available Online for Credit Recovery

This course will advance student's Spanish reading and listening abilities with increasingly complicated texts. Practice in speaking and writing will also increase. In addition, students will learn to communicate and understand texts from a variety of points of view and in a variety of tenses. Texts will continue to focus on cultural topics from the Spanish-speaking world.

ELECTIVES

ACADEMIC SUCCESS

(16 quarters)

Grade Level: 9, 10, 11, 12

Prerequisites: None

This course helps students in building relationships, handling stress, developing a growth mindset, building executive function and boosting engagement. A number of strategies and lessons are presented in class to help students find that will motivate them and help them become successful. Through a variety of experiential situations, students learn to organize, manage and grow as a student and individual.

BUSINESS ENGLISH

(4 quarters)

Grade Level: 9, 10, 11, 12

Prerequisites: None

Available Online

This course is designed to strengthen students' ability to read and write in the workplace. Writing for business purposes is a main focus of the course. Students will learn how to communicate effectively through email and instant messaging, as well as format specific types of business messages and workplace documents. The role of digital media, visuals, and graphics in workplace communication will be explored. The importance of professionalism, ethics, and other positive skills are also emphasized in the course. Additionally, guidance is provided to help students through the process of searching, applying, and interviewing for a job.

CAREER DEVELOPMENT

(8 quarters)

Grade Level: 9, 10, 11, 12

Prerequisites: None

Available for Credit Recovery Online

This course covers all of the career clusters in the National Career Clusters Framework. You'll explore the career pathways within each cluster, determine the academic and skill requirements for different career pathways, and learn about the jobs available in each pathway and the work these professionals do. This course will also guide you through the process of creating an academic and career plan based on you interests, abilities, and life goals.

COMPUTING FOR COLLEGE AND CAREERS

(4 quarters)

Grade Level: 11, 12

Prerequisites: None

Available Online

This course will cover basic computer hardware and software and productivity applications such as word processing software, spreadsheet software, and presentation software. This course also covers the Internet and emerging technologies,

advanced concepts, such as computer networks, complex operations in spreadsheet and database programs, and the process of creating a website.

SOCIAL ISSUES

(2 quarters)

Grade Level: 11, 12

Prerequisites: None

Available Online

Social issues affect everyone—they are issues which revolve around governmental policy and enforcement of laws on the civilian population. These laws and policies can have any number of significant outcomes. They can protect minorities and women from discrimination, regulate drug use, give aid to the poor, provide guidelines for education, and much more. Social issues are often controversial and debated, so having the ability to form an educated opinion on them is an important part of your citizenship.

WORLD GEOGRAPHY

(4 quarters)

Grade Level: 11, 12

Prerequisites: None

Available Online

In an increasingly interconnected world, equipping students to develop a better understanding of our global neighbors is critical to ensuring that they are college and career ready. This course empowers students to increase their knowledge of the world in which they live and how its diverse geographies shape the international community. It begins with an overview of the physical world and the tools necessary to exploring it effectively. Subsequent units survey each continent and its physical characteristics and engage students and encourage them to develop a global perspective.