

Prairie English/Language Arts Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
6th Grade Language Arts	6	N/A	1 year	No Signature Required	None	Sixth grade students will read and study a variety of texts designed to claim evidence, and reasoning to support their thinking. They learn structures of different styles of writing.
6th Grade Honors Language Arts	6	N/A	1 year	Teacher Signature Required	Teacher Recommendation based on standardized test scores and work samples	Students in honors classes complete a similar curriculum as the language arts classes but read higher level materials and supplemental texts and are held to a higher standard in writing. Students will be exposed to terms and methods beyond that which is required by state and national standards for the grade level. Students are expected to perform more tasks semi-independently, track their own progress, and demonstrate high levels of motivation for achievement. <u>They should read one or more years above grade level.</u>
7th Grade Language Arts	7	N/A	1 year	No Signature Required	None	Seventh grade students will read and study a variety of texts designed to gain background knowledge to develop a claim, use valid reasoning and relevant/sufficient evidence. They learn to enrich their writing using critical thinking, figurative language and imagery. They might also begin to examine how reasoning in critical thinking can make reading and writing experiences more valuable.
7th Grade Honors Language Arts	7	N/A	1 year	Teacher Signature Required	Teacher Recommendation based on standardized test scores and work samples	Students in honors classes complete a similar curriculum as the language arts classes but read higher level materials and supplemental texts and are held to a higher standard in writing. Students will be exposed to terms and methods beyond that which is required by state and national standards for the grade level. Students are expected to perform more tasks semi-independently, track their own progress, and demonstrate high levels of motivation for achievement. <u>They should read one or more years above grade level.</u>
8th Grade Language Arts	8	N/A	1 year	No Signature Required	None	Eighth grade students will read and study a variety of texts designed to work on organization and flow in writing with special emphasis placed upon argumentative writing and reading complex text. Throughout the school year, students will be empowered to defend their critical thinking skills in both reading and writing.
8th Grade Honors Language Arts	8	N/A	1 year	Teacher Signature Required	Teacher Recommendation based on standardized test scores and work samples	Students in honors classes complete a similar curriculum as the language arts classes but read higher level materials and supplemental texts and are held to a higher standard in writing. Students will be exposed to terms and methods beyond that which is required by state and national standards for the grade level. Students are expected to perform more tasks semi-independently, track their own progress, and demonstrate high levels of motivation for achievement. <u>They should read one or more years above grade level.</u>

Overland/English Language Arts Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
CP English 9	9	1 unit	1 year	No Signature Required	None	Students will prepare oral presentations and develop strategies for listening critically to the presentations of others. Reading: Students will read and interpret increasingly complex literary and informational texts. Writing: Students will write narrative, informational, and persuasive texts and work to establish a controlling idea and provide relevant support. Students will work to revise grammar, usage, and mechanics to achieve greater clarity. Research: Students will analyze informational materials, including electronic sources, for their relevance and accuracy.
CP English 10	10	1 unit	1 year	No Signature Required	None	Oral Expression: Students will gather and organize content that will successfully influence an audience. Students will listen actively to group members when accomplishing a group goal. Reading: Students will read literary, informational, and persuasive manuscripts in order to develop ideas and to understand traditional and contemporary texts. Writing: Students will use different organizational patterns to inform or to persuade, and their writing will feature a variety of stylistic devices while relying on a strong foundation of proper grammar and mechanic skills. Research: Students will evaluate the validity of multiple sources while collecting information in order to answer a question, propose solutions, or share findings.
CP English 11	11	1 unit	1 year	No Signature Required	None	Oral Expression: Students will analyze messages for their accuracy and relevance. Reading: Students will critically read complex literary texts to interpret and evaluate their meaning. They will synthesize ideas from informational texts for a specific purpose. Writing: Students will work to stylistically and thematically refine narrative texts. They will revise informational and persuasive texts to inform or influence an audience while making ongoing revisions in grammar, usage, and mechanics to achieve greater clarity. Research: Students will study critical thinking and evaluate quality reasoning.
CP English 12	12	1 unit	1 year	No Signature Required	None	Students will have the opportunity to develop the skills necessary to access college-level texts while also enhancing their academic vocabulary. Students will read a number of different texts, both fiction and nonfiction, from various genres in building their knowledge of text structures, the reading process, and literary techniques. Students will use textual evidence to support claims, determine themes/central ideas, and analyze authors' choices in the writing. The students will also improve their understanding of author's craft and structure. Students will have the opportunity to increase the level of sophistication in their writing, better preparing them for college and beyond. Students will read and write argumentative, informative/explanatory, and narrative texts while also expanding their understanding of effective writing. Throughout the course, students will produce clear and coherent writing, develop and strengthen writing, and use technology to produce, publish and update individual or shared writing products. Finally, students will have the opportunity to engage in research projects before presenting those to a formal audience.
English 9 Honors (W)	9	1 unit	1 year	Teacher Signature Required	Teacher Recommendation AND an "B" or higher in a previous English class	Students enrolled in Honors English 9 will accomplish the standards outlined in CP English 9 while independently reading literary and informational texts of greater complexity. Students will write longer and more complicated essays including literary analysis, will revise writing to make it more concise and precise, and will experiment with writing more sophisticated sentences.
English 10 Honors (W)	10	1 unit	1 year	Teacher Signature Required	Teacher Recommendation AND a "B" or higher in CP Eng. 9 OR a "C" or higher in Honors 9	Students enrolled in Honors English 10 will accomplish the standards addressed in CP English 10 while reading increasingly complex literary and informational texts. Students will experiment with more subtle organizational structures and incorporate more rhetorical strategies into their writing.
AP English Language & Composition (W)	11-12	1 unit	1 year	Teacher Signature Required	Teacher Recommendation AND a "C" or higher in Honors 10 OR "B" or higher in CP English 10	The AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should reflect students' awareness of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way genre conventions and the resources of language contribute to effectiveness in writing. By the end of the course, students will be able to analyze and interpret samples of good writing, identify and explain an author's use of rhetorical strategies and techniques, create and sustain arguments based on readings, research, and/or personal experience, and write for a variety of purposes, applying effective strategies and techniques in their own writing. College Board approved. Students will take the AP Exam in May.
AP English Literature & Composition (W)	12	1 unit	1 year	Teacher Signature Required	Teacher Recommendation AND "C" or above in English 11 OR "B" or above in AP Language and Composition	The AP course in English Literature and Composition engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism and tone. Reading in an AP course is both wide and deep. The reading necessarily builds upon and complements the reading done in previous English courses so that by the time students complete their AP course, they will have read works from several genres and periods – from the 16 th century to the 21 st century. Writing assignments focus on the critical analysis of literature and include expository, analytical and argumentative essays. College Board Approved. Students will take the AP Exam in May.

Key: **(W)** = weighted grade, **AP** = Advanced Placement, **CE** = Concurrent Enrollment, **IST** = STEM

Overland/English Language Arts Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
Introduction to Literature 115 (CE)	12	1/2 unit	1 semester	Teacher Signature Required	ACT = Eng. 18 & Reading 17 OR pass the Accuplacer exam to receive CE credit	This course emphasizes the close study of fiction genres, including poetry, drama, and narrative (novellas and novels). Students will read and interpret a variety of texts in detail, work extensively with literary devices in the context of their contribution toward textual meaning, and study and practice elements of writing effective literary analysis. Students will examine the role of literature in society and how it mirrors a cultural experience. This course is a Concurrent Enrollment course through the Community College of Aurora. Students enrolled in this course will complete college-level work during their senior year of high school. Students who have met the prerequisite and earn a "C" or better in the class will receive 3 college credits.
English Composition 121 (CE)	12	1/2 unit	1 semester	Teacher Signature Required	ACT = Eng. 18 & Reading 17 OR SATV 470 OR pass the Accuplacer exam to receive CE credit	Students will master the reading of professional essays and use critical thinking skills to write college-level papers and essays. Students will write compositions that demonstrate narrative, analytical, evaluative, informative, and persuasive thinking. This course is a Concurrent Enrollment course through the Community College of Aurora. Students enrolled in this course will complete college-level work during their senior year of high school. Students who have met the prerequisite and earn a "C" or better in the class will receive 3 college credits.
English Composition 122 (CE)	12	1/2 unit	1 semester	Teacher Signature Required	CCA requires a "C" or better in ENG 121 OR a 3+ on AP Lang Exam	This course expands and refines the objectives of English Composition I (ENG 121). We will emphasize critical and logical thinking and reading, problem definition, research strategies, and writing analytical, evaluative, and/or persuasive papers that incorporate research. English 122 should enable students to master basic skills in critical thinking and reading, argumentation, and research. The course has six basic components: argumentation strategies, critical thinking and reading, outlining and summarizing, summary and analysis of a single essay, small-scale synthesis of several sources, and the full scope of a research paper. These six components build upon one another. Initial course assignments should give students an opportunity to practice these skills in isolation before they are needed in the research paper. This system allows students to master simpler skills in preparation for the research paper, which utilizes them all. This course is a Concurrent Enrollment course through the Community College of Aurora. Students enrolled in this course will complete college-level work during their senior year of high school. Students who have met the prerequisite and earn a C or better in the class will receive 3 college credits.
Journalism IST	9-12	Elective 1/2 unit	1 semester	Teacher Signature Required	Application, Interview and Teacher Recommendation	Journalism students will demonstrate the skills of journalistic expression, particularly in the print media, with an emphasis on writing (news, editorial, feature, and sports writing), but including radio and broadcast journalism, interviewing, observing, reporting, reacting, and synthesizing. Students will understand and accept the legal and ethical responsibilities inherent in a free press. Students will also apply the concepts of layout and design to student-produced projects, giving them an opportunity to demonstrate their ability to use computers as tools for producing publications. This course is designed not only for the student who explores journalism as a career possibility, but also for any student who desires a basic understanding of how a free press functions as an element of our democratic society. In addition, students have the opportunity to contribute to the school newspaper. This course is a general elective credit and is part of the technical communications career concentration.
Creative Writing	9-12	Elective 1/2 unit	1 semester	No Signature Required	None	This course emphasizes the techniques of writing creative prose and poetry. Course activities include formal and informal writing assignments in various categories as well as reading and analyzing example writings. It appeals to those students who enjoy writing and who are working at or above grade level. This is a general elective credit.
Newspaper	10-12	Elective 1 unit	1 year	Teacher Signature Required	Application, interview & teacher recommendations required	The newspaper class writes, designs, and publishes the award-winning Scout news magazine. It is a student-run class where students work as reporters, photographers, artists, page designers, editors and webmasters. Students will learn media ethics, interviewing and reporting skills, journalistic writing, and technology and visual tools to communicate effectively. These responsibilities often require that time be spent after school as well as in class. Newspaper is a general elective credit.
Yearbook	10-12	Elective 1 unit	1 year	Teacher Signature Required	Application, interview & teacher recommendations required	Yearbook production involves writing and associated skills, graphic design, photography, and business skills. All students must be willing to work in all of the above areas. Students must be willing and able to devote time to this project and to accept responsibility for the completion of the yearbook. Some after school obligations are required for the successful completion of the yearbook. Yearbook is a general elective credit.
Intensive Reading (must be taken with an English class)	10	Elective 1/2 unit	1 semester	Counselor Signature Required	Demonstrates below-basic proficiency in reading	This Intensive Reading course will provide students who read at least two years below grade level with an intensive exposure to a variety of reading strategies to become proficient readers. These reading techniques may include detecting sequences, making inferences, drawing appropriate conclusions, and developing critical thinking skills. This is a general elective credit.

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Social Studies

The Social Studies Department offers a wide selection of courses designed to advance the interests and abilities of all students. Students will be empowered to apply academic skills in their coursework both in the Social Studies Department and in other core content areas.

It is the Overland-Prairie Campus expectation that our students will be prepared for college, the workforce, and life in our society. To ensure this, our focus is on developing skilled and informed students with a desire to be lifelong learners who contribute to society and think critically about local, national, and international issues.

At Prairie, students will engage in a rigorous curriculum covering: the Western Hemisphere in sixth grade, Eastern Hemisphere in seventh grade, and United States history through the Antebellum Era with an emphasis on the Constitution in eighth grade. With this as a firm foundation, students at Overland will be given multiple opportunities to earn college credit through passage of the Advanced Placement exams, as well as taking concurrent enrollment courses through the Community College of Aurora.

6th Grade	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
Social Studies 6	Social Studies 7	Social Studies 8	World Geography	Government	U.S. History	Sociology
			AP Human Geography (W)	Economics	U.S. History 101 & 102 (CE)	Latin American Studies
			Contemporary World History	AP World History (W)	AP U.S. History (W)	American Government (CE)
						Political Science (CE)
						World Religions
						Psychology
						AP Psychology (W)
						AP U.S. Government & Politics (W)
					American Ethnic Studies	
	Prairie Access Social Studies Electives:		Social Studies Electives:			
	Current World Events	Everyone Has A Story	Geographic Information Systems			
	Money, Money, Money	Things That Make You Go Hmmm				AP Art History (W)
	World Cultures	World History Through Movies				

* Access classes are subject to change.

Prairie Social Studies Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
Social Studies 6	6	N/A	1 year	No Signature Required	None	During sixth grade social studies students study the Western Hemisphere including the Caribbean, Central America, South America, Mexico and modern globalization. The curriculum provides students an opportunity to study the geography, history, government, and economics of the regions. Students will connect the reading and writing skills that they are using in Language Arts with the areas of study above. Students will also be introduced to skills such as determining cause and effect, differentiating between primary and secondary sources, drawing conclusions, and summarizing.
Social Studies 7	7	N/A	1 year	No Signature Required	None	During seventh grade Social Studies, students study the Eastern Hemisphere, focusing on the geography, history, governments, and economics of the regions through 1450. In addition to the study of Africa, Asia, the Middle East, and Europe, students will also investigate the concept of globalization and the role that it plays in our world. Students will further develop skills in historical inquiry and research, comparison and contrast, and analysis of varied sources.
Social Studies 8	8	N/A	1 year	No Signature Required	None	During eighth grade Social Studies, students focus on the geography, history, government, and economics of the United States through the Antebellum Era. Students spend their time looking at the role that people and the government play and the various ways that these two groups interact. Students continue to develop expertise in historical inquiry as well as using primary and secondary sources of information to make claims and support them.

Overland Social Studies Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
World Geography	9	1/2 unit	1/2 year	No Signature Required	None	Designed to introduce students to the human geographical themes of culture, population, natural resources, development, human rights, and globalization. The unifying idea of the units in this course is to explore reasons for why the world is unevenly developed. Students are expected to master the use of maps and spatial data sets, as well as complete a significant culminating project at the end of the course.
AP Human Geography (W)	9	1 unit	1 year	Signature Required	**Proficient reading skills AND 8th grade Teacher Recommendation	Introduces students to the systematic study of patterns and processes that have shaped human understanding, and the use and alteration of the earth's surface. Students will use spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice, such as GIS and other online resources. AP Human Geography will cover the following themes throughout the year: population, migration, culture, language, religion, ethnicity, political geography, development, agriculture, industries, urban patterns, and resource problems. An advanced placement exam will be given at the end of the course, which provides students with an opportunity to earn college credit. This course is designed to address and exceed state standards in Geography.
World History	9	1/2 unit	1 semester	No Signature Required	None	Students will examine major themes of world history from hunter-gathers and emerging complex civilizations to the Cold War. His course uses a chronological and thematic approach in order to create logical and relevant connection from the past to today. The examination of long-term cause and effect will be conducted through critical thinking, reading, writing and speaking skills. This course is designed to prepare students for humanities college courses in college and CE courses at OHS.
Government	10	1/2 unit	1 semester	No Signature Required	None	A state-required, semester-long course designed to introduce students to the Constitutional principles of the United States republican form of government and how to apply this constitutional knowledge to form an understanding of government. Students will also examine current U.S. policies, citizen rights and the means to participate within government, as well as the relationships on the local, state, national and international level. This course is designed to address state standards in Government and Civics. An ELA teacher will be in class to lend support to students whose native language is other than English.

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Overland Social Studies Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
Economics	10	1/2 unit	1 semester	No Signature Required	None	Current economic issues will serve as a foundation for the application of economic theory in this semester course. Analysis of the American economic system as it relates to the individual and other economic systems will be a focus. Specific units will cover microeconomic concepts such as the law of supply and demand, factors of production, and the business cycle. Macroeconomic topics will include money and banking, monetary and fiscal policy, international trade, the impact of globalization and Personal Financial Literacy.
U.S. History	11	1 unit	1 year	No Signature Required	None	This course is designed to explore America's historical development from the Reconstruction Era to the present day. Students will acquire a sense of chronology, identify causes and effects, recognize the events, individuals, and philosophies that helped shape our contemporary society, and use historical inquiry to evaluate prominent episodes in U.S. history. Some major topics include social and ethnic development, Industrialization, the World Wars, the Depression, the Cold War Era, the Vietnam Era, the 1960's and 70's, and the developments of the 1980's and early 1990's. This course meets U.S. History requirement.
American Ethnic Studies	11-12	Elective 1/2 unit	1 semester	No Signature Required	Students need to have taken US History or need to be taking US History Concurrently.	This course focuses on the history of ethnic and racial minority groups in the United States of America. Students will have the opportunity to learn about racism, oppression, xenophobia, and ongoing efforts to fight for greater social, economic, and political equity. The writings, rhetoric, and actions of historically oppressed people will be examined and paired with modern perspectives of those who continue to push for greater inclusion, access, and opportunity. This highly interactive course will help students hone skills that are crucial for college and careers.
AP World History (W)	10	1 unit	1 year	Signature Required	***"B" Average in Social Studies courses, Proficient reading skill based on 8th grade CSAP AND 9th grade Teacher Recommendation	World History explores societies, institutions and ideas that constitute the history of our world. This course progresses chronologically and thematically, technological and environmental transformations, organization and reorganization of human societies, regional and transregional interactions, global interactions, industrialization and global integration, and the accelerating global change and realignments. The purpose of the AP World History course is to develop greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course builds on an understanding of cultural, institutional, and technological precedents. Specific themes provide further organization to the course, along with the consistent attention to contacts among societies that form the core of world history as a field of study. At the end of the course students will take the AP examination for college credit.
AP U.S. History (W)	11	1 unit	1 year	Signature Required	***"B" Average in Social Studies courses, Proficient reading skill based on 9th grade CSAP AND 10th grade Teacher Recommendation	A college-level course designed to provide students with the skills and factual knowledge necessary to succeed in a post-secondary level history class. The course will cover the political, diplomatic, economic, social, cultural and intellectual history of the United States from 1492 to the present. This course will prepare each student for intermediate and advanced college history courses by making demands equivalent to those of a full year introductory college course. This yearlong course prepares each student for the AP Exam in May. Students who pass the national exam will receive six semester hours of college credit in history and/or advanced placement in college courses. This course meets U.S. History requirement.
U.S. History 101 & 102 (CE)	11	1 unit	1 year	Signature Required	Must pass the Accuplacer exam to receive CE credit	This six-credit concurrent enrollment course begins with the development of early America and the period of European exploration and colonization. The student will study important periods in the development of the United States. Some major topics include the American Revolution, the U.S. Constitution, the Civil War, social and ethnic development, Industrialization, the World Wars, the Depression, the Cold War Era, the Vietnam Era, the 1960's and 70's, and developments of the 1980's and early 1990's. Through the use of critical thinking, the student will analyze these periods of the past and discover their relevance to the present. This course is a Concurrent Enrollment course through the Community College of Aurora. Students enrolled in this course will complete college-level work during their junior year of high school. Students who have met the prerequisite and earn a "C" or better in the class will receive 6 college credits (3 credits per semester).

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Overland Social Studies Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
Sociology	12	1/2 unit	1 semester	No Signature Required	None	An in-depth look at local, national, and international current events that affect everyday life in America. Using a variety of techniques such as discussion, news media, guest speakers, and research, students are exposed to the issues and developments that impact our society. The goal of the course is to stimulate interest in national and international affairs and thus motivate the student to become more actively involved in the contemporary issues of our society.
Latin American Studies	12	1/2 unit	1 semester	No Signature Required	None	A semester-long course that offers a survey of the historical and modern societies of Mexico, Brazil, Argentina, Cuba, Puerto Rico, and other Latin American and Caribbean nations. Cultural, social, political, geographic, military, and economic features of the region will be examined.
AP U.S. Government and Politics (W)	12	1 unit	1 year	No Signature Required	2.5 GPA OR approval from previous social studies instructor	AP US Government and Politics is designed as a college-level course. You will study the workings of the American political system, including why people vote the way they do, what your rights are in the United States, how and why America creates domestic and foreign policies. The course is a mixture of some activities in the classroom and some that will take you into the 'real world' of politics and government. An advanced placement exam will be given at the end of the course, which provides students with the opportunity to earn college credits. The course is designed to address and exceed content area standards in government and civics. Student must pass both semesters to fulfill the high school credit requirement.
American Government (CE)	12	1/2 unit	1 semester	No Signature Required	U.S. History; Must pass the Accuplacer exam to receive CE credit	This course focuses on the practical understanding of the American government system, including: the US Constitution, civil rights and civil liberties, the role of political parties, interest groups, elections, the media and how people can impact public policy. This course is offered ONLY during the Fall Semester and will fulfill the high school government credit requirement. This course is a Concurrent Enrollment course through the Community College of Aurora. Students enrolled in this course will complete college-level work during their junior/senior year of high school. Students who have met the prerequisite and earn a "C" or better in the class will receive 3 college credits. This course is one of the Statewide Guaranteed Transfer courses. CT-SS1.
Political Science (CE)	12	1/2 unit	1 semester	No Signature Required	Completed OR enrolled in a Government course; Must pass the Accuplacer exam to receive CE credit.	This class focuses on how governments outside of the United States work. Countries include, but are not limited to: the United Kingdom, Nigeria, Iran, Russia, Mexico, China and the European union. You will learn how other countries make and deal with domestic and foreign policy issues and how culture impacts the government processes. The course is designed for students interested in international affairs, business, or social issues. Political Science is a Concurrent Enrollment course through the Community College of Aurora (Comparative Government- POS 225). Students enrolled in this course will complete college-level work during their junior/senior year of high school. Students who have met the prerequisite and earn a "C" or better in the class will receive 3 college credits.
World Religions	12	1/2 unit	1 semester	No Signature Required	None	Offers students the opportunity to explore the major religions and philosophies of the world, including Hinduism, Buddhism, Taoism, Judaism, Islam and Christianity. This class explores the historical origins of each religion, its beliefs and practices, and the impact each religion has on its members. Students can expect a high level of discussion and an even higher level of critical thinking. Guest speakers and a day long field trip to the area's holy sites will also be used to further understand each faith. College readiness skills will also be sharpened through essay writing, research projects and student presentations.
Psychology	12	1/2 unit	1 semester	No Signature Required	None	The study of human behavior. This semester long course is designed to introduce students to the basic principles of psychology and how it applies individually and in our society. Topics will include developmental psychology, learning principles and applications, personality theory, the brain, and mental disorders. The goals of the course are to provide information that students can use in their everyday life, as well as to provide a foundation in the field of psychology.

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Overland Social Studies Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
AP Psychology (W)	12	1 unit	1 year	Teacher Signature Required	**"B" Average in Social Studies courses, Proficient reading skill based on 10th grade CSAP AND Teacher Recommendation	A college-level course designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major sub-fields within psychology. They also learn about the methods psychologists use in their science and practice. Units of study revolve around the biological bases of behavior, learning, motivation and emotion, with emphasis on the brain's role in development and personality. College readiness skills such as note-taking, study aides, organization and test taking will also serve as a foundation for all students to adhere to for successful comprehension of the course material. Students are expected to have a strong work ethic and exemplar attendance. There will be an AP exam in May.
Geographic Information Systems	9-12	Elective 1/2 unit	1 semester	No Signature Required	None	An introduction to the concepts and uses of Geographic Information Systems (GIS). GIS is a system of computer software, hardware, and personnel designed to visualize, manipulate, analyze, and display spatial data. A GIS can create "Smart Maps" that links a database to a map. This allows individuals to view relationships, patterns, or trends that are not possible to see with traditional charts, graphs, and spreadsheets. Students will work with GPS units and build maps from actual satellite coordinate data. Through computer lab tutorials and case studies, students will learn to use ArcGIS 10 Software from Environmental Systems Research Institute (ESRI). Some topics include City and Regional Planning, Community and Economic Planning and Development, Housing Studies, Transit and Transportation Issues, Land Use, Historic and Archeological Studies, Crime Analysis and Policing, Emergency Management and Public Works Utilities, Census and Demographic Studies, Public Health, and Business uses including Marketing and Advertising.
AP Art History (W)	12	Elective 1 unit	1 year	Teacher Signature Required	None	Fee - AP Test at Conclusion Art is the evidence left behind by world history. Students will learn about world cultures, religions, politics and philosophies through art and architecture. They will study significant artists, art periods, styles and mediums and how they are a part of human evolution and thought, from Prehistoric cave paintings to contemporary architecture. Student research and essay writing are a part of this course. AP Art History is a nationally recognized course sponsored by the College Board, and upon successful completion of the AP exam, students may earn college credit. Students can use this course for a full Art credit or a half of an Art credit plus half of a Social Studies credit.
Geography (Online)	9-12	1/2 unit	1 semester	Counselor Signature Required	None	Geography is designed to introduce students to the major themes of culture, development, population, migration and current global issues. Students in this course will use geographic tools, such as Google Earth and web-based GIS to analyze and interpret spatial data sets. Students will analyze case studies of specific places in order to better understand themes of the course. Students will complete project based, maps, presentations and field papers to demonstrate their understanding of the content.
U.S. History (Online)	11-12	1 unit	1 year	Counselor Signature Required	None	U.S. History online offers an interpretive overview of American history using a thematic and standards-based approach to learning. The themes used to interpret history revolve around the following areas: American character; immigration; diversity within the subgroups of women, Native Americans and African Americans; economic development; religion; reform; characteristics in presidency; conflicts resulting in war; and how history has influenced our world today. Our objective is to understand not only what happened in American History but also why it happened, using a variety of primary sources and a wide range of scholarly interpretations. The eras covered will range from European migration to North America through the present day.
Government (Online)	10-12	1/2 unit	1 semester	Counselor Signature Required	None	American Government focusses on the constitutional principles of the United States republican form of government. Students will apply this constitutional knowledge to form an understanding of government and its relationships on the local, state, national and international levels.

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Mathematics

The Mathematics Department offers a wide selection of courses designed to advance the interests and abilities of all students. Students will be empowered to apply academic skills in their course work both in the Mathematics Department and other core content areas. The curriculum is guided by the Cherry Creek Math Standards and under the Colorado State Math Standards.

It is the Overland-Prairie Campus expectation that our students will be prepared for college, the workforce, and life in society. To ensure this, our focus is on building skills in mathematical thinking, problem solving, critical-analysis, and for application in everyday life.

At Prairie, students will be engaged in rigorous coursework consisting of about ninety-minutes of mathematics everyday in both the 6th and 7th grades. A college bound student with an intended major requiring advanced mathematics should consider a seven-year accelerated program, including Calculus as a junior or senior.

6th Grade	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
Math 6			Algebra 1			
Math 6/7			Algebra 2			
	Math 7		Geometry			
	Math 7/8		Geometry Honors (W)			
			Algebra 2 Honors (W)			
		Math 8				Math for the Liberal Arts (CE)
		Algebra 1			Intro. to College Algebra/College Algebra (CE)	
					College Algebra (CE)	
					College Trigonometry (CE)	
					Pre-Calculus	
					AP Calculus AB (W)	
					AP Calculus BC (W)	
					Calculus 3/Differential Equations (CE)	
						Discrete Math
						Probability & Statistics
						Applied Math
						AP Statistics (W)
	Praire Access Mathematics Electives:					
	Targeted Math	Algebra Support				

Key: **(W)** = weighted grade, **AP** = Advanced Placement, **CE** = Concurrent Enrollment, **IST** = STEM

Prairie Mathematics Program







Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
Math 6	6	N/A	1 year	No Signature Required	None	Students will build on their understanding of numbers from elementary school and begin to learn the abstract components of mathematics. Content will focus on four critical areas including (1) connecting ratio and rate to whole number multiplication and division and using concepts of ratio and rate to solve problems; (2) completing understanding of division of fractions and extending the notion of number to the system of rational number, which includes negative numbers; (3) writing, interpreting, and using expressions and equations; and (4) developing understanding of statistical thinking. This work will lay the foundation for the focus on proportional reasoning in seventh grade.
Math 7	7	N/A	1 year	No Signature Required	None	Students will build on their work with rational numbers and algebraic thinking from sixth grade as they move into deeper and more complex math concepts. Math content will focus on four critical areas, including (1) developing understanding of and application of proportional relationships; (2) developing understanding of operations with rational numbers and working with expressions and linear equations; (3) solving problems involving geometric ideas of scale, area, surface area and volume with two- and three-dimensional shapes, and (4) drawing inferences about populations based on samples. This work will lay the foundation for the algebraic work with linear functions studied in eighth grade.
Math 8	8	N/A	1 year	No Signature Required	None	Students begin a serious study of algebra with the learning of linear functions. With the study of number relatively complete, the focus shifts to the abstract application of understanding arithmetic. This content will focus on three critical areas, including (1) formulating and reasoning about expressions and equations, and working with systems of linear equations; (2) developing an understanding of the concept of a function, and using functions to describe quantitative relationships; and (3) analyzing two- and three-dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean Theorem. This work will lay the foundation for success in a high school Algebra 1 course.
Math 6/7	6	N/A	1 year	Teacher Signature Required	Teacher Recommendation based on standardized test scores, district test scores, and work samples	Students interested in pursuing math and science related interests in middle school, high school, and post-secondary options may choose to access Algebra 1 prior to high school. Math 6/7 and Math 7/8 provide three years of mathematics content in two years, preparing students for Algebra 1 in grade 8. Math 6/7 students study all topics from Math 6 (see course description), extend the concepts of ratio and rate from Math 6 to include proportional relationships from Math 7, as well as extending their study of statistical thinking (Math 6) to include statistical inference based on samples (Math 7). The compacted nature of the course will require students to be comfortable and proficient learning math at an accelerated pace. Placement in Math 6/7 will be determined using a body of evidence to support students' readiness for success in this course.
Math 7/8	7	N/A	1 year	Teacher Signature Required	Successful completion of Math 6/7 OR Teacher recommendation based on standardized test scores and work samples	Students who have successfully completed Math 6/7 may choose to complete this two-year compacted course sequence, preparing them for Algebra 1 in grade 8. Students will complete their study of Math 7 topics (see Math 7 course description) not covered in Math 6/7, including working with expressions and linear equations and the geometric study of two- and three-dimensional shapes. These concepts will be extended to the Math 8 topics of linear equations and the Pythagorean Theorem, respectively. The full content of Math 8 (see Math 8 course description) will be studied in this course. The compacted nature of the course will require students to be comfortable and proficient learning math at an accelerated pace.
Algebra 1	8	N/A	1 year	Teacher Signature Required	Successful completion of Math 7/8 OR Teacher recommendation based on standardized test scores and work samples	Algebra 1 formalizes and extends the mathematics that students learned in Math 6, 7, and 8. The major components of study include (1) using equations and inequalities to model real-life quantities and manipulating them to highlight quantities of interest while focusing on the underlying structures of equations and inequalities; (2) understanding of the concept of a function, the use of function notations, and the structures of exponential functions and how they compare and contrast with linear functions; (3) working with quadratic functions through a structural perspective and in comparison to linear and exponential functions. These concepts lay the foundations for analytic geometry concepts in a subsequent geometry course and for study with different function types in Algebra 2 and other advanced math courses. This course is equivalent to the Algebra 1 course taught at CCSD high schools.

Overland Mathematics Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
Algebra 1	9-12	1 unit	1 year	Teacher Signature Required	None	Students taking this course should have mastered all basic arithmetic skills. Topics covered include sets, the real number system and its properties, operations with polynomials, linear equations, inequalities, systems of equations, factoring polynomials, graphing, radicals, and quadratic equations. This course provides required background necessary for the successful completion of Geometry and Algebra 2. Problem solving is emphasized and students use current technology including graphing calculators and computers.
Algebra 2	9-12	1 unit	1 year	Teacher Signature Required	Geometry	This course is usually taken after Geometry. The course covers topics such as quadratic functions, complex numbers, solving systems of equations and inequalities, polynomial functions, exponential and logarithmic functions and college algebra. This course serves as a foundation for and is a prerequisite to Pre-Calculus/Trigonometry and AP Statistics. Graphing Calculator Required
Geometry	9-12	1 unit	1 year	Teacher Signature Required	Algebra 1	This course is the second year of the sequence of Algebra 1, Geometry, and Algebra 2. Topics include reasoning and proof, perpendicular and parallel lines, triangles, quadrilaterals, similarity, right triangle trigonometry, circles, area, and volume. It offers students many opportunities to explore geometric situations, develop concepts, and use theorems and postulates to solve applications. Students are required to communicate reasoning through proofs and other forms of writing. The course provides extensive use of algebra skills integrated into geometry concepts.
Math for the Liberal Arts (CE)	12	1/2 unit	1 semester	Teacher Signature Required	Attempted Algebra 1, Geometry and Algebra 2	This course develops mathematical and problem-solving skills. Appropriate technological skills are included. Content is selected to highlight connections between mathematics and the society in which we live. Topics include set theory and logic, mathematical modeling, probability and statistical methods, and consumer mathematics. Additional content will include one topic geometry, numeration systems, decision theory, or management science. This course is a Concurrent Enrollment course through the Community College of Aurora.
Geometry Honors (W)	9-10	1 unit	1 year	Teacher Signature Required	Algebra 1	This course is for the accelerated math student. Geometry Honors covers the same material as Geometry but moves faster, requires more work, treats topics in greater depth and requires a higher level of mastery. This Geometry course will also cover more topics that will prepare the students for Algebra 2 Honors. This course is designed to be part of a progression that continues on to Honors Algebra 2, AP Calculus, and Calculus 3.
Algebra 2 Honors (W)	9-11	1 unit	1 year	Teacher Signature Required	Geometry Honors	This course is for the talented mathematics student who wants a challenge. The course is normally taken after Geometry Honors and covers topics such as quadratic functions, complex numbers, solving systems of equations and inequalities, polynomial functions exponential and logarithmic functions, arithmetic and geometric series. Problem solving is emphasized. This course is more rigorous mathematically, requires more work, treats topics in greater depth, and requires a higher level of mastery than does Algebra 2. This course is required for those students who plan to take advanced math courses in the future. Pre-Calculus will be included in this accelerated course. This course is designed to be part of the accelerated progression of Honors Geometry/Pre-Calculus, Algebra 2/Pre-Calculus Honors, and then Calculus AB, BC, and Calculus 3. Graphing Calculator Required.
Intro. to College Algebra/College Algebra (CE)	11-12	1 unit	1 year	Teacher Signature Required	Algebra 2	Develops skills necessary for manipulating algebraic expressions and solving algebraic equations. Topics in the course include radicals, complex numbers, polynomials, factoring, rational expressions, quadratic equations, absolute value equations and inequalities, systems or linear equations, related applications, math learning strategies, Functions and their graphs, exponential and logarithmic functions, linear and non-linear systems, quadratics, radical, rational, absolute value and inequalities.
College Algebra (CE)	11-12	1/2 unit	1 semester	Teacher Signature Required	Must pass the Accuplacer exam to receive CE credit OR Intro. to College Algebra with a "C" or higher	This course begins with a review of topics from Introduction of College including: linear equations, complex numbers and matrix operations. This course covers topics including: Functions and their graphs, exponential and logarithmic functions, linear and non-linear systems (quadratics, radical, rational, absolute value and inequalities), as well as theory of equations including Polynomial and Rational Functions. Additional topics may be included. Students who meet the following testing criteria can earn 4 college credits through the Community College of Aurora for College Algebra MAT 121: ACC : EA = 85 or ACTM = 23 or SATM = 500

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Overland Mathematics Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
College Trigonometry (CE) 	11-12	1/2 unit + 3 college credits	1 semester	Counselor Signature Required	College Algebra OR Honors Algebra 2	Topics in trigonometry, analytic geometry, and elementary functions designed for students who intend to take calculus in college. Angles and trigonometry functions of acute angles, analytic trigonometry, fundamental trigonometric functions and identities including hyperbolic trigonometry, parametric equations, and polar coordinate system. Students are required to use a TI-83 Plus or newer graphing calculator. This course is a Concurrent Enrollment course through the Community College of Aurora. Students enrolled in this course will complete college-level work during their junior/senior year of high school. Students who have met the prerequisite and earn a "C" or better in the class will receive 3 college credits.
Pre-Calculus 	11-12	1/2 unit	1 semester	Teacher Signature Required	Algebra 2 with a "C" or higher	This is an advanced mathematics course meant for highly capable students. A wide range of topics is covered with emphasis on functions which are studied numerically, symbolically and graphically. A graphing calculator is used extensively in this course. This course is strongly recommended for students who plan to continue in math, science or related areas in college. The topics which are covered should help to bridge the gap between high school and college mathematics. Pre-Calculus is recommended for students interested in careers in such areas as mathematics, science, engineering and business. The initial units of differential calculus are completed at the end of the year in this course. Graphing Calculator Required.
Discrete Math 	12	1/2 unit	1 semester	Teacher Signature Required	Algebra 2	Discrete math will introduce the students to the financial and graphical analysis side of mathematics. This course is designed to take math and make it applicable and accessible. The math knowledge needed is basic mathematics such as addition, subtraction, multiplication, and division. The topics covered are graphical analysis, personal financial math, financial decision-making, different voting methods, and sequences and series. The course provides an access point for math with students that have not found much success in the traditional math courses. This course is designed for students who have a need to be career and consumer ready.
Applied Math	12	1/2 unit	1 semester	Teacher Signature Required	Algebra 2	Applied Math course will assist students in improving their ability to apply the principles of mathematics to problems in the workplace. The course will help students find, analyze, and apply information presented in workplace graphics. This course is also designed to support students who have not shown math competency required for graduation. The students will have the opportunity to take the ACT Workkeys exam that will provide the opportunity to demonstrate competency and fulfill this requirement. The course is designed for seniors who need support in fulfilling the graduation competency for mathematics.
Probability and Statistics	12	1/2 unit	1 semester	Teacher Signature Required	Algebra 2	Probability is the basis for mathematical models of situations in the sciences; statistics is the art of gathering, analyzing, and making inferences from data. Topics include interpretation of statistical data, computation of probabilities given events, frequency distributions, and application of random sampling to probability.
AP Statistics (W)	12	1 unit	1 year	Teacher Signature Required	Algebra 2 OR any higher math course with a "C" or higher	This is a college level course in elementary statistics and probability. Topics include: exploratory data analysis, experimental design, probability distributions, statistical inference. Graphing Calculators Required. Students will take the Advanced Placement (AP) Examination in Statistics during May of spring semester.
AP Calculus AB (W) 	11-12	1 unit	1 year	Teacher Signature Required	Pre-Calculus with a "C" or higher	This is a college level course in differential and integral Calculus covering the equivalent of Calculus I. Graphing Calculator Required. Students will take the AP examination during May of the spring semester.
AP Calculus BC (W) 	11-12	1 unit	1 year	Teacher Signature Required	Pre-Calculus with a "B" or higher	This is a college level course in differential and integral Calculus covering the equivalent of Calculus I and Calculus II. Graphing Calculator Required. Students will take the AP examination during May of the spring semester.
Calculus 3/Differential Equations (CE)  	11-12	1 unit	1 year	Teacher Signature Required	AP Calculus BC	This is the 3rd semester of Calculus. Topics include Vectors & Geometry of Space, Vector-valued Functions, Functions of Several Variables, Multiple Integration and Vector Analysis. The second semester is an introduction to Linear Algebra and a survey of higher-level Collegiate Mathematics. Graphing Calculator Required. This course is a Concurrent Enrollment course through the Community College of Aurora. Students enrolled in this course will complete college-level work during their junior/senior year of high school. Students who have met the prerequisite and earn a "C" or better in the class will receive 3/4 college credits.

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Overland Mathematics Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
Independent Study Research/Mathematics	11-12	1 unit	1 year	Teacher Signature Required	Calc 3/Diff Eq	This course is offered to those students interested in conducting research in Mathematics or to students wanting to pursue Math or Applied Mathematics Careers.

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Science

The Science Department offers a wide selection of courses designed to advance the interests and abilities of all students. Students will be empowered to apply academic skills in their course work both in the Science Department and other core content areas as well.

It is the Overland-Prairie Campus expectation that our students will be prepared for college, the workforce, and life in our society. To ensure this, our focus in science is that every student leaves us with the skills they need to be successful in a world of ever-increasing scientific and technological issues and innovations.

At Prairie, students will be engaged in a rigorous program that covers the Physical Sciences, Earth Sciences, and the Biological Sciences in a balanced approach in sixth through eighth grade. At Overland, we strongly recommend that every college-bound student enroll in a sequence of science classes that includes a balanced selection of coursework in biological sciences, chemistry and physics. Students with interests in particular fields of science are encouraged to enroll in multiple science classes in a given semester, thereby balancing the recommended classes with their areas of interest. The Overland-Prairie Campus promotes the sciences through inquiry to have students generate questions, explore and interpret what they see, stimulate the appetites for explanation and experience the thrill of scientific discovery!

6th Grade	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
6th Grade Science	7th Grade Science	8th Grade Science	Zoology			
			Biology			
			Biology Honors (W)			
			Chemistry Honors (W)			
				Chemistry		
				AP Biology (W)		
					AP Physics 1 (W)	
					Physics	
						AP Physics C (W)
					AP Physics 2 (W)	
						AP Chemistry (W)
						AP Environmental Science (W)
						Anatomy & Physiology (CE)
						Biotechnology (CE)
	Prairie Access Science Electives:		Science Electives:			
	Comparative Anatomy	Marine Biology				
	Crime Scene Investigation	Science Busters	Forensic Science			
	Digging Up the Dirt on Dinosaurs	Simple Machines	Intro. to Science Research			
	Great Mysteries of Science			Microbiology		
	Healthy Habits			Applied Science Research and Communications		
					Epic Medical Careers	
	* Access classes are subject to change.					Environmental Science
						Genetics
						Geology (CE)
						Astronomy

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Prairie Science Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
6th Grade Science	6	N/A	1 year	No Signature Required	None	The sixth grade science program is designed to provide students with the opportunity for hands-on, investigative, problem-solving experiences in a variety of science topics. In addition to developing laboratory skills, students will be given a foundation in basic science concepts, vocabulary, graphing, data analysis, measurement, and math application. Students will investigate biological, physical and earth science concepts throughout the year. All units are aligned with the Colorado Academic Standards. Areas of study will include: Cells & Body Systems, Weather, Climate, Kinetic Energy and Heat.
7th Grade Science	7	N/A	1 year	No Signature Required	None	The seventh grade science program is designed to provide students with the opportunity for hands-on, investigative, problem-solving experiences in a variety of science topics. In addition to developing laboratory skills, students will be given a foundation in basic science concepts, vocabulary, graphing, data analysis, measurement, and math application. Students will investigate biological, physical and earth science concepts through-out the year. All units are aligned with the Colorado Academic Standards. Areas of study will include: Chemical Reactions, States of Matter, Plate Tectonics, Natural Resources, Photosynthesis and Ecosystems.
8th Grade Science	8	N/A	1 year	No Signature Required	None	The eighth grade science program is designed to provide students with the opportunity for hands-on, investigative, problem-solving experiences in a variety of science topics. In addition to developing laboratory skills, students will be given a foundation in basic science concepts, vocabulary, graphing, data analysis, measurement, and math application. Students will investigate biological, physical and earth science concepts through-out the year. All units are aligned with the Colorado Academic Standards. Areas of study will include: Energy, Force & Motion, Waves, Universe, Solar Systems, Earth History and Biological Evolution.

Overland Science Program




Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
Zoology	9-10	1/2 unit	1 semester	Teacher Signature Required	None	This course gives an introduction to zoology, with particular emphasis on the structure/function and classification of both vertebrates and invertebrates. In addition, the students will explore basic knowledge in animal behavior, evolution, and human ecology (including an introduction to the biosphere and biodiversity). The course is intended to be very "hands-on" including dissections , and experimental animal behavior projects, as well as allowing students the opportunity to conduct print and web-based research. Students will also use 21 st Century Skills to create multimedia showcases of their understanding.
Biology	9-12	1 unit	1 year	Teacher Signature Required	Algebra 1 (co-requisite)	Students learn about organisms from a behavioral, ecological, genetic and evolutionary context. Students will explore how living systems interact with other organisms and their environment, analyze relationships between structure and function in living systems, analyze how organisms grow, develop and differentiate during their lifetimes, and use genetics to explain the biodiversity and the relatedness of all organisms. Units of study include: ecology, chemistry of life, cellular structure and function, genetics, and evolution. Laboratory activities reinforce concepts and principles presented.
Biology Honors (W)	9-12	1 unit	1 year	Teacher Signature Required	Geometry (co-requisite) or Teacher Recommendation	In this fast-paced course, students learn about organisms from a behavioral, ecological, genetic and evolutionary context. Students will explore how living systems interact with other organisms and their environment, analyze relationships between structure and function in living systems, analyze how organisms grow, develop and differentiate during their lifetimes, and use genetics to explain the biodiversity and the relatedness of all organisms. The student will learn the biochemistry of living things, the cellular and molecular structure of organisms, genetics, evolution, ecology and the diversity of life forms including humans. Honors biology improves the student's critical thinking skills, problem-solving ability and technical writing skills. Laboratory activities reinforce concepts and principles presented. This course covers the same topics as the regular biology program, but in a greater depth and at an accelerated rate .

Overland Science Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
Chemistry	10-12	1 unit	1 year	Teacher Signature Required	Geometry (may be taken concurrently)	This course provides the opportunity to develop knowledge and understanding about the relationships between the structure and properties of matter, and the interaction of mass and energy. Units of study include: matter and its changes, atomic structure, chemical composition, nomenclature, reactions, stoichiometry, gas laws, periodicity, bonding, molar geometry, and thermochemistry. Laboratory activities reinforce concepts and principles presented in this course. This class teaches students fundamental chemical concepts and an understanding of the connection to the world around them. This curriculum incorporates technical reading and writing skills in alignment with the Colorado State Standards.
Chemistry Honors (W)	9-12	1 unit	1 year	Teacher Signature Required	Geometry completed AND Algebra 2 or higher math (may be taken concurrently) OR teacher recommendation	This course is designed as an AP Science preparatory class and provides the opportunity to develop knowledge and understanding about the relationships between the structure and properties of matter, and the interaction of mass and energy. Units of study include: matter and its changes, atomic structure, chemical composition, nomenclature, reactions, stoichiometry, gas laws, periodicity, bonding, molar geometry, and thermo chemistry. Laboratory activities reinforce concepts and principles presented in this course. This class is designed to teach the student fundamental chemical concepts and provide an understanding of their connection to the world around them. This course covers the same topics as the regular Chemistry program, but in greater depth and at an accelerated rate. It provides a solid foundation of chemical, quantitative, and technological concepts for those students planning to study science and technology in college. This class is a prerequisite for AP Chemistry.
Physics	11	1 unit	1 year	Teacher Signature Required	Algebra 2 or higher (may be taken concurrently)	Physics is a study of the laws that control the physical world. The topics include motion, forces, momentum, energy, waves (sound, light, radio, water, etc.), electricity, magnetism, relativity and atomic physics. Laboratory work serves to promote understanding and to illustrate the experimental nature of physics.
AP Physics 1 (W)	11-12	1 unit	1 year	Teacher Signature Required	Pre-Calculus (may be taken concurrently) OR teacher recommendation	AP Physics 1 is Algebra-Based. It is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electric circuits. The expectation is that students take the AP exam at the end of this course.
AP Physics 2 (W)	11-12	1 unit	1 year	Teacher Signature Required	Pre-Calculus (may be taken concurrently) OR teacher recommendation	AP Physics 2 is Algebra-Based. It is the equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics; thermo-dynamics; electricity and magnetism; optics; atomic and nuclear physics. The expectation is that students take the AP exam at the end of this course.
AP Biology (W)	10-12	1 unit	1 year	Teacher Signature Required	Chemistry (may be taken concurrently) OR Teacher Recommendation	AP Biology is designed to be the equivalent of a college introductory biology course. Units of study include: chemistry of life, cells, cellular energetics, heredity, molecular genetics, evolutionary biology, diversity of organisms, structure and function of plants and animals, and ecology. This course differs significantly from a high school course with respect to the laboratory work done and the time and effort of the student outside of class. The expectation is that students take the AP exam at the end of this course. College credit and placement are awarded by individual universities based on the student's performance on the national AP Biology exam. Students are encouraged to purchase a college text for the course. Prerequisite: Honors Chemistry as 9th grader, to take as a 10th grader or 12th grader.
AP Physics C (W)	12	1 unit	1 year	Teacher Signature Required	AP Calculus AB (prerequisite OR may be taken concurrently)	AP Physics C is designed to be the equivalent of a college introductory physics course. The curriculum for this class is the College Board Advanced Placement Physics Curriculum. Units of study will include: kinematics, Newton's laws of motion, work, energy, power, systems of particles, linear momentum, circular motion and rotation, oscillations and gravitation, electrostatics, conductors, capacitors and dielectrics, electric circuits, magnetic fields and electromagnetism. This course differs significantly from a high school course with respect to the laboratory work done and the time and effort of the student outside of class. The expectation is that students take the AP exam at the end of this course.
AP Environmental Science (W)	12	1 unit	1 year	Teacher Signature Required	1 year of Biology, 1 year of Chemistry AND Algebra 1, all with a "C" or higher	AP Environmental Science is designed to be the equivalent of a college introductory Environmental Science course. Units of study include: earth science concepts, the atmosphere, global water resources and use, soil and soil dynamics, ecosystem structure, energy flow, global water resources and use, soil and soil dynamics, ecosystem structure, energy flow, ecosystem diversity, natural ecosystem change, and natural biogeochemical cycles. This course differs significantly from a high school course with respect to the laboratory work done and the time and effort of the student outside of class. The expectation is that students take the AP exam at the end of this course. College credit and placement are awarded by individual universities based on the student's performance on the national AP Environmental Science exam. Students are encouraged to purchase a college text for the course.




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Overland Science Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
AP Chemistry (W)	12	1 unit	1 year	Teacher Signature Required	1 year of Chemistry AND Algebra 2 both with a "C" or higher	AP Chemistry is a year-long course designed to be the equivalent of a college freshman level chemistry course. The fundamental assumptions and structure of chemistry are rigorously studied with emphasis on the quantitative aspects of chemical systems. Extensive laboratory work is an integral part of the curriculum. Units of study include: atomic theory and atomic structure, chemical bonding, nuclear chemistry, gases, liquids and solids, solutions, reaction types, stoichiometry, equilibrium, kinetics, thermodynamics and descriptive chemistry. This course differs significantly from a high school course with respect to the laboratory work done and the time and effort of the student outside of class. The expectation is that students take the AP exam at the end of this course. Students are encouraged to purchase a college text for the course.
Anatomy & Physiology (CE) 	12	1 unit	1 year	Teacher Signature Required	Biology AND Chemistry both with a "C" or higher	Anatomy/Physiology is a college level class that covers the structure and function of the human body. Students learn about cells and tissues, cancer and disease, the skeletal, muscular, nervous, and cardiovascular systems, and other systems of the human body. This course involves lecture and lab work. Every student must complete a semester enrichment project for four hours outside of class time. Most students taking this class are interested in a health/medical career. Students must have passed biology with a minimum of a C grade both semesters and have taken will be taking chemistry. Students will need to purchase a textbook for this class. This course is a Concurrent Enrollment course through the Community College of Aurora. Students enrolled in this course will complete college-level work during their junior and senior years of high school. Students who have met the prerequisite and earn a C or better in the class will receive 4 college credits.
Biotechnology (CE) 	12	1 unit	1 year	Teacher Signature Required	Biology with a "C" or higher	This course introduces students to one of the fastest growing career fields today. Biotechnology is the application of biological principles, organisms, and products for a practical purpose. This course introduces students to the tools of biotechnology - DNA electrophoresis, DNA sequencing, recombinant DNA technology, genetic engineering, and tissue culture. Students will explore cell biology, molecular biology, genetics, and microorganisms in depth. Students must have passed biology with a minimum of a C grade both semesters and have taken or are currently taking chemistry. Students should purchase a lab notebook for this course from the teacher. This course is a Concurrent Enrollment course through the Community College of Aurora. Students enrolled in this course will complete college-level work during their senior year of high school. Students who have met the prerequisite and earn a C or better in the class will receive 3 college credits.
Applied Science Research and Communication 	10-11	Elective 1 unit	1 year	Teacher Signature Required	Introduction to Science Research	In this course students will combine biological science and research with technical communication and video production to produce narrative videos and supporting social media to help educate peers about specific public health issues. During the course students will engage in research and laboratory experiences about specific public health issues, and have multiple opportunities to interview professional researchers in the research field. Using what they learn, students will then write and produce videos and supporting social media items to help raise awareness with the goal of changing peers' behavior to improve overall health. In the final stages of the course students will disseminate the videos to peer audiences, and measure the efficacy of their messages. Each year of the course will focus on a particular public health issue.
Astronomy	12	Elective 1/2 unit	1 semester	Teacher Signature Required	Algebra 1 AND 1 year of a lab science	This course introduces students to the study of astronomy, including its history and development. It is designed to give the student a greater appreciation for one of the most rapidly changing realms of science. Topics will include: historical astronomy, astronomical instruments and their use, celestial orientation, the solar system, stars and galaxies. This course will investigate the current research including spectroscopic analysis and the evidence for an expanding universe. Major constellations, with their associated stars and mythologies, will also be described throughout the semester. This course will require individual outside observation and measurement.
Environmental Science	12	Elective 1/2 unit	1 semester	Teacher Signature Required	None	This is a course focusing on the relationships between humans and the natural resources provided to us. This course will investigate how energy and materials supplied to us by our environment are utilized by humans and to what effect these uses have on our surroundings, to identify, analyze, and resolve environmental issues from an interdisciplinary perspective. This course will stress scientific literacy through application of problem-solving skills while encouraging reflection in the social sciences to broaden student perception of their role in the environment.

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Overland Science Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
Epic Medical Careers 	11-12	Elective 1/2 unit	1 semester	Teacher Signature Required	None	Epic Medical Careers is a seminar-based course designed to expose students to the exciting and diverse world of medicine. This class is available for highly-motivated juniors and seniors who hope to pursue a career in healthcare. Students will hear from a different guest speaker each class from a variety of medical careers including cardiology, nursing, genetic counseling, osteopathy, research, surgery, healthcare management, and oncology. Students will get to attend an interactive cadaver lab. Note: Class meets before school.
Forensic Science 	9-11	Elective 1/2 unit	1 semester	Teacher Signature Required	None	Forensic Science is the application of science to those criminal and civil laws that are enforced by police agencies. It is a practice that incorporates Biology, Chemistry, Entomology, Earth Science, Physics, Anatomy and Physiology, as well as other areas of science and technology. Observational Skills, Investigation and Evidence Collection, Trace Evidence (Hair, pollen, fibers, glass), Fingerprinting, DNA Analysis, Blood Pattern Analysis, Document Analysis, and Ballistics will be among the specific areas studied. Note: This course will NOT substitute for core science credit at this time.
Genetics	12	Elective 1/2 unit	1 semester	Teacher Signature Required	Successful completion of 2 years of Science	Genetics is a lab-based course designed to teach the student fundamental genetics concepts and provide an understanding of their connection to the world around them. In this course, students will study the cell, cell processes and genetics. Specifically, students investigate the cellular basis of inheritance, patterns of inheritance, DNA, human genetics, and modern applications of DNA technology. Math and reading levels are also accessible for students of ALL levels.
Geology (CE) 	12	Elective 1/2 unit	1 semester	Teacher Signature Required	Successful completion of 2 years of Science	This course examines the physical and historical geology of the earth with an emphasis on natural resources. Topics studied will include rock and mineral identification through physical and chemical techniques, plate tectonics and landforms, and mass wasting. This course is a Concurrent Enrollment course through the Community College of Aurora. Students enrolled in this course will complete college-level work. Students who have met the prerequisite and earn a C or better in the class will receive 4 college credits.
Introduction to Science Research	9-11	Elective 1 unit	1 year	None	Instructor Approval	This course is designed to introduce students to scientific research. Students will be introduced to and solidify their understanding of the scientific method and engineering design process, learn how to access and analyze scientific literature at a variety of levels, and use a laboratory notebook to document progress, record findings, and organize research. The scientific writing process will be introduced as students prepare and critique one another's manuscripts. Students will present their findings around one of several ongoing research projects to their peers during an in-class seminar series and through a public poster session. This course may be retaken to receive the course credit. Note: This course will NOT substitute for core science credit.
Microbiology	10-12	Elective 1/2 unit	1 semester	Teacher Signature Required	Biology with a "C" or higher AND Chemistry (may be taken concurrently)	Microbiology is the study of single-celled organisms, such as bacteria, viruses, fungi and protists. Students will study the structure, function and identification of these microbes. Lab work includes growing microbes and using the microscope to identify them. This course also includes the study of diseases and the environmental and public health impacts caused by microorganisms.
Biology (Online)	9-12	1 unit	1 year	Counselor Signature Required	None	Biology is an ecological approach to the study of life science. Students will discover the interrelationships between organisms and the environment, how organisms are classified, and mechanisms for adaptations that lead to biodiversity. Students will perform simulations and labs at home with equipment provided.
Geology (Online)	9-12	1/2 unit	1 semester	Counselor Signature Required	None	Geology will examine the earth as a dynamic system. Students will examine processes for and evidence of how the earth renews itself, including weathering, erosion, and plate tectonics. Students will also learn about the costs, benefits and consequences of using energy resources. Students will perform labs at home with equipment provided.

World Languages

The Overland-Prairie World Languages Department offers a wide selection of courses designed to advance the interests and abilities of all students. Students learn to communicate in one of the four languages our department offers and are empowered to apply academic skills in their course work. It is the Campus' expectation that students will be prepared for college and the workforce. Students gain knowledge and understanding of other cultures, connect with other disciplines within the school, gain insight into the nature of language and culture, and participate in multilingual communities at home and around the world. Our department's ultimate goal is to enable students to know how, when, and why to say what to whom, as stated in the National Standards for Foreign Language Learning.

The French, Spanish, and Chinese programs include four levels of instruction in addition to Advanced Placement classes. Spanish also offers a course for heritage language learners to meet the needs of Overland High School's international student body for those students who are already proficient in Spanish. Our Arabic program currently offers levels 1, 2 and 3.

6th Grade	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
	Arabic 1		Arabic 1			
			Arabic 2			
			Arabic 3			
				Arabic 4 Honors (W)		
		Chinese 1	Chinese 1			
			Chinese 2			
				Chinese 3		
					Chinese 4 Honors (W)	
					AP Chinese Language and Culture (W)	
			French 1			
				French 2		
					French 3	
						French 4 Honors
						AP French Language & Culture (W)
Spanish Language Exploratory	Spanish 1A	Spanish 1	Spanish 1			
	Spanish AB		Spanish 2			
		Spanish 2	Spanish 3			
			Spanish for Spanish Speakers			
				Spanish 4 Honors (W)		
				AP Spanish Language & Culture (W)		
					AP Spanish Literature & Culture (W)	
			*Each Spanish student will be placed according to their previous experience with the language or a placement exam.			
	Spanish Access WL Classes					
	Spanish for Spanish Speakers					

Key: (W) = weighted grade, **AP** = Advanced Placement, **CE** = Concurrent Enrollment, **IST** = STEM

Prairie World Languages Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
Spanish Language Exploratory	6	N/A	1 semester	No Signature Required	None	Students explore the Spanish language by learning basic skills needed to communicate in a foreign language. Students are exposed to introductory phrases, vocabulary, concepts and a variety of Hispanic culture. These basics of the Spanish language and cultural awareness provide a foundation for future language acquisition.
Spanish 1A	7	N/A	1 year	No Signature Required	None	This course introduces basic skills in listening, speaking, reading, and writing Spanish with an emphasis on communication.
Spanish AB	7	N/A	1 year	Teacher Signature Required	Exploratory Spanish	This course is a continuation of Spanish 1A in which students are provided additional communication learning opportunities.
Spanish 1	8	N/A	1 year	No Signature Required	Completion of Exploratory Spanish	Spanish 1 introduces students to the Spanish language and Hispanic culture. This course is an introduction to the basic language skills of listening, speaking, reading, and writing.
Spanish 2	8	N/A	1 year	Teacher Signature Required	Completion of Spanish AB	This course is a continuation of Spanish 1. Emphasis is on the further development of listening, speaking, reading, and writing for communication. Hispanic cultural aspects continue to be an integral part of the curriculum.
Spanish for the Spanish Speaker	8	N/A	1 year	Teacher Signature Required	Placement Test Required	This course prepares native speakers for Advanced Placement courses in Spanish. It is designed for students with a personal connection to the language and culture who converse with ease and confidence about topics related to Latino culture and daily life. The focus is on vocabulary development, grammar structures and functions, and literacy skills. Students further develop writing skills through creative projects. This course is conducted primarily in Spanish. Students may be required to purchase a workbook for this course.
Arabic 1	7-8	N/A	1 year	No Signature Required	None	Students taking this course learn to pronounce and write the Arabic alphabet. They will read both printed and hand written letters and numbers for comprehension. Students will acquire a 250 word vocabulary as well as learn to conjugate verbs. Students are exposed to the cultural geography of Arabic-speaking countries.
Chinese 1	8	N/A	1 year	No Signature Required	None	Students taking this course learn the basic language skills of Mandarin Chinese by listening, speaking, reading, writing, and memorizing. Emphasis is on phonetics, listening comprehension and oral proficiency, as well as formation of Chinese characters and basic grammatical structures. Students are exposed to the cultural geography of China.

Overland World Languages Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
Arabic 1	9-12	1 unit	1 year	No Signature Required	None	Students taking this course learn to pronounce and write the Arabic alphabet. They will read both printed and hand written letters and numbers for comprehension. Students will acquire a 250 word vocabulary as well as learn to conjugate verbs. Students are exposed to the cultural geography of Arabic-speaking countries.
Arabic 2	9-12	1 unit	1 year	Teacher Signature Required	Completion of Arabic 1 OR teacher approval	This is a continuation of Arabic 1. Emphasis is placed on the progressive development of listening, speaking, reading, and writing skills. Students comprehend and respond with increasing proficiency to spoken and written Arabic. Students will gain an awareness of appropriate cultural behaviors and contributions of the Arabic culture to Western culture.
Arabic 3	9-12	1 unit	1 year	Teacher Signature Required	Completion of Arabic 2 OR teacher approval	This course expands upon the fundamentals skills of listening, speaking, reading and writing learned by the end of Arabic 2. Students listen to and read authentic source materials. Class activities such as intermediate listening selections and conversations incorporate the continued study of grammar through written communication. Students learn that understanding Arabic culture is part of authentic communication. This course is conducted primarily in Arabic.
Arabic 4 Honors (W)	10-12	1 unit	1 year	Teacher Signature Required	Completion of Arabic 3 OR teacher approval	This course is designed to develop more fluency in speaking and writing, and increase understanding in listening and reading. It includes a study of Arab culture and its contribution to the arts and humanities. Activities include reading the major authors, texts and movements in modern Arabic literature. Using the texts as a point of departure, students will discuss intellectual, political and cultural thought as it develops in Arabic literature to the present day. Students will be responsible for oral presentations and short essays in addition to two research papers during the term. This course is conducted primarily in Arabic. Students may be required to purchase a workbook for this course.

Key: **(W)** = weighted grade, **AP** = Advanced Placement, **CE** = Concurrent Enrollment, **IST** = STEM

Overland World Languages Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
Chinese 1	9-12	1 unit	1 year	No Signature Required	None	Students taking this course learn the basic language skills of Mandarin Chinese by listening, speaking, reading, and writing. Emphasis is on phonetics, listening comprehension and oral proficiency, as well as formation of Chinese characters and basic grammatical structures. Students are exposed to the cultural geography of China.
Chinese 2	9-12	1 unit	1 year	Teacher Signature Required	Completion of Chinese 1 OR teacher approval	This is a continuation of Chinese 1. Emphasis is placed on learning basic language skills of Mandarin Chinese by listening, speaking, reading, and writing. Some of the more complicated grammatical points are learned at this level. Continued vocabulary building and cultural study are important components of this course.
Chinese 3	10-12	1 unit	1 year	Teacher Signature Required	Completion of Chinese 2 OR teacher approval	This is a continuation of Chinese 2. Speaking and interpretive comprehension are emphasized in a step-by-step approach. Students use a varied selection of characters, sentence patterns, and vivid illustrations to engage in conversations. Students explore highly-relevant topics such as family, daily life, school, and sports while incorporating useful vocabulary.
Chinese 4 Honors (W)	11-12	1 unit	1 year	Teacher Signature Required	Completion of Chinese 3 OR teacher approval	Chinese 4 Honors is designed to develop greater fluency in speaking and writing, and to increase listening and reading comprehension. It includes an in-depth study of Chinese life and cultures. This course is conducted primarily in Chinese.
AP Chinese Language & Culture (W)	11-12	1 unit	1 year	Teacher Signature Required	Completion of Chinese 4 OR teacher approval	Students will further their study of the Chinese language and culture to prepare for the AP exam in May. Emphasis is on interpersonal skills, interpretation of spoken and written Chinese, and a knowledge of Chinese culture. The expectation is that students take the AP exam at the end of this course.
French 1	9-12	1 unit	1 year	No Signature Required	None	French 1 introduces students to the French language and Francophone cultures. This course is an introduction to the basic language skills of listening, speaking, reading, and writing. It is designed for students who have not taken French. The course will meet both the district framework and state standards for world languages.
French 2	9-12	1 unit	1 year	Teacher Signature Required	Completion of French 1 at the high school OR middle school level	This is a continuation of French 1. Emphasis is on the further development of listening, speaking, reading, and writing for communication. Francophone cultural aspects are an integral part of the curriculum.
French 3	9-12	1 unit	1 year	Teacher Signature Required	Completion of French 2 OR teacher approval	French 3 continues to develop the language skills of listening, speaking, reading, and writing. Complex grammar is taught. Students read authentic materials and study details of Francophone life and culture. This course is conducted primarily in French.
French 4 Honors (W)	10-12	1 unit	1 year	Teacher Signature Required	Completion of French 3 OR teacher approval	French 4 Honors is designed to develop greater fluency in speaking and writing, and to increase listening and reading comprehension. It includes an in-depth study of Francophone life and cultures. Students read selections from various French authors. This course is conducted primarily in French.
AP French Language & Culture (W)	11-12	1 unit	1 year	Teacher Signature Required	Completion of French 4 OR teacher approval	The learning objectives for this course include interpersonal, presentational, and interpretive communication. Students are prepared for the Advanced Placement Language and Culture Exam. Six main themes: beauty and aesthetics, contemporary life, families and communities, global challenges, personal and public identities, and science and technology are explored throughout the year. This course is conducted in French. Students may be required to purchase a college text for the course. The expectation is that students take the AP exam at the end of this course.
Spanish 1	9-12	1 unit	1 year	No Signature Required	None	Spanish 1 introduces students to the Spanish language and Hispanic cultures. This course is an introduction to the basic language skills of listening, speaking, reading, and writing. It is designed for students who have not taken Spanish. The course will meet both the district framework and state standards for world languages.
Spanish 2	9-12	1 unit	1 year	Teacher Signature Required	Completion of Spanish 1 at the high school OR middle school level	This is a continuation of the Spanish 1. Emphasis is on the further development of listening, speaking, reading and writing. Hispanic culture aspects continue to be an integral part of the curriculum.
Spanish 3	9-12	1 unit	1 year	Teacher Signature Required	Completion of Spanish 2 OR teacher approval	Spanish 3 continues to develop the language skills of listening, speaking, reading and writing. Complex grammar is taught. Students read authentic materials and study details of Hispanic life and culture. This course is conducted primarily in Spanish.

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Overland World Languages Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
Spanish for Spanish Speakers	9-12	1 unit	1 year	Teacher Signature and Placement Test Required	Placement Test Required	This course prepares native speakers for Advanced Placement courses in Spanish. It is designed for students with a personal connection to the language and culture who converse with ease and confidence about topics related to Latino culture and daily life. The focus is on vocabulary development, grammar structures and functions, and literacy skills. Students further develop writing skills through creative projects. This course is conducted primarily in Spanish. Students <u>may be required to purchase a workbook for this course.</u>
Spanish 4 Honors (W)	10-12	1 unit	1 year	Teacher Signature Required	Completion of Spanish 3 OR Teacher Approval OR Spanish for Native Speakers	This course is designed to prepare students for the AP Spanish Language course. Students develop communicative strategies while expanding upon their skills. Students continue to learn about the Hispanic culture through arts and humanities. This course is conducted primarily in Spanish.
AP Spanish Language and Culture (W)	10-12	1 unit	1 year	Teacher Signature Required	Completion of Spanish 4 OR teacher approval	The learning objectives for this course include interpersonal, presentational and interpretive communication. Students are prepared for the Advanced Placement Language and Culture Exam. Six main themes: beauty and aesthetics, contemporize life, families and communities, global challenges, personal and public identities, and science and technology are explored throughout the year. This course is conducted in Spanish. Students may be required to purchase a college text for the course. The expectation is that students take the AP exam at the end of this course.
AP Spanish Literature and Culture (W)	11-12	1 unit	1 year	Teacher Signature Required	Completion of AP Spanish Lang OR teacher approval	The AP Spanish Literature course is designed to meet the requirements of a third-year college introduction to Hispanic Literature class. This course is conducted in Spanish. Readings include works from seven centuries of Hispanic Literature. The list was created by the College Board to ensure that all significant genres, literary periods and geographical areas are included in the course of study. Students may be required to purchase a college text for the course. The expectation is that students take the AP exam at the end of this course.

English Language Support (ELS)

English Language Acquisition (ELS) is a program designed to teach students who speak languages other than English how to understand, speak, read, and write in English. The goal is for English language learners to experience success in the mainstream content areas while also learning English. While students are learning English, they are also learning math, science, social studies and other subjects in the school curriculum. Prairie and Overland students taking ELS classes also take math, science, social studies, electives, world languages, and other English classes. Prairie Middle School and Overland High School offer a variety of ELS, sheltered, and co-taught classes for English language learners depending on their English language acquisition level. Teachers in ELS are proficient in the English language and are specifically trained to teach students who are learning English. While each student's level of support will be based on their individual needs, the ELS program provides support to students within the context of the mainstream English classroom. Those supports include instructional strategies, lesson delivery, and assessments that are designed based on the student's level of English proficiency. While in ELS classes, English Language Learners have access to available programs offered at Prairie and Overland or within the district. * *Classes are based upon enrollment and may be subject to change.*

ELS at the Overland-Prairie Campus strives to ensure students achieve standards of English proficiency and are college-prepared and workforce-ready. A series of ELS courses are offered that enable students to advance and meet their individual potential.

6th Grade	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
ELS Newcomer	ELS Newcomer	ELS Newcomer	ELS Co-Taught English 9	ELS Co-Taught English 10	ELS Co-Taught English 11	ELS Co-Taught English 12
ELS Co-Taught Science		ELS Co-Taught Science	ELS Intake			
ELS CO-Taught Social Studies	ELS Co-Taught Social Studies	ELS Co-Taught Social Studies	Newcomer English Language Support			
		ELS Co-Taught Language Arts		ELS Co-Taught Government		
				ELS Co-Taught Economics		
				ELS Co-Taught U.S. History		
					ELS Co-Taught Sociology	
					ELS Co-Taught Psychology	
				ELS Co-Taught Geometry		
			ELS Co-Taught Algebra 1			
		Prairie Access ELS Electives:	ELS Co-Taught Biology			
	ELS Reading			ELS Co-Taught Chemistry		

Prairie English Language Support (ELS) Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
ELS Newcomer	6-8	N/A	1 year	No Signature Required	Instructor Approval	This course is a beginning level language arts class, reserved for students whose native language is not English and who lack English language fluency. The emphasis is on the reading, writing, speaking, and listening proficiencies necessary for success in mainstream classes.
ELS Co-Taught Language Arts	8	N/A	1 year	No Signature Required	Instructor Approval	Grade level support provided in a teamed setting with an English Language Support Teacher and a Highly Qualified content Teacher.
ELS Co-Taught Social Studies	6-8	N/A	1 year	No Signature Required	Instructor Approval	Grade level support provided in a teamed setting with an English Language Support Teacher and a Highly Qualified content Teacher.
ELS Co-Taught Science	6,8	N/A	1 year	No Signature Required	Instructor Approval	Grade level support provided in a teamed setting with an English Language Support Teacher and a Highly Qualified content Teacher.

Overland English Language Support (ELS) Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
ELS Intake	9-12	1 unit	1 year	Teacher Signature Required	None	The ELS Intake class is for monolinguals and those who may have had interrupted schooling in their home country. The students will be taught English listening, speaking, reading readiness, and writing skills through appropriate ELS strategies: total physical response, cooperative learning, paired and individual activities, etc. Students are introduced to the vocabulary necessary to be successful in ELS Biology, Government and US History
Newcomer English Language Support	9-12	1 unit	1 year	Teacher Signature Required	Instructor Approval	In this course, students are introduced to basic reading and writing skills. The class is designed to allow for remediation of individual reading and writing problems. This focus is on literacy skills needed to be successful in mainstream English classes.
ELS Co-Taught Biology	9-10	1 unit	1 year	Teacher Signature Required	Instructor Approval	Students learn about organisms from a behavioral, ecological, genetic and evolutionary context. Students will explore how living systems interact with other organisms and their environment, analyze relationships between structure and function in living systems, analyze how organisms grow, develop and differentiate during their lifetimes, and use genetics to explain the biodiversity and the relatedness of all organisms. Units of study include: ecology, chemistry of life, cellular structure and function, genetics, and evolution. Laboratory activities reinforce concepts and principles presented. An ELS teacher will be in class to lend support to students whose native language is other than English.
ELS Co-Taught Chemistry	10-11	1 unit	1 year	Teacher Signature Required	Instructor Approval	This course provides the opportunity to develop knowledge and understanding about the relationships between the structure and properties of matter, and the interaction of mass and energy. Units of study include: matter and its changes, atomic structure, chemical composition, nomenclature, reactions, stoichiometry, gas laws, periodicity, bonding, molar geometry, and thermochemistry. Laboratory activities reinforce concepts and principles presented in this course. This class teaches students fundamental chemical concepts and an understanding of the connection to the world around them. This curriculum incorporates technical reading and writing skills in alignment with the Colorado State Standards. An ELS teacher will be in class to lend support to students whose native language is other than English
ELS Co-Taught U.S. History	11-12	1 unit	1 year	Teacher Signature Required	Instructor Approval	This course is designed to explore America's historical development from the Reconstruction Era to the present day. Students will acquire a sense of chronology, identify causes and effects, recognize the events, individuals, and philosophies that helped shape our contemporary society, and use historical inquiry to evaluate prominent episodes in U.S. history. Some major topics include social and ethnic development, Industrialization, the World Wars, the Depression, the Cold War Era, the Vietnam Era, the 1960's and 70's, and the developments of the 1980's and early 1990's. This course meets U.S. History requirement. An ELS teacher will be in class to lend support to students whose native language is other than English.

Overland English Language Support (ELS) Program

ELS Co-Taught Government	10-11	1/2 unit	1 semester	Teacher Signature Required	Instructor Approval	A state-required, semester-long course designed to introduce students to the Constitutional principles of the United States republican form of government and how to apply this constitutional knowledge to form an understanding of government. Students will also examine current U.S. policies, citizen rights and the means to participate within government, as well as the relationships on the local, state, national and international level. This course is designed to address state standards in Government and Civics. An ELS teacher will be in class to lend support to students whose native language is other than English.
ELS Co-Taught Economics	10-11	1/2 unit	1 semester	Teacher Signature Required	Instructor Approval	Current economic issues will serve as a foundation for the application of economic theory in this semester course. Analysis of the American economic system as it relates to the individual and other economic systems will be a focus. Specific units will cover microeconomic concepts such as the law of supply and demand, factors of production, and the business cycle. Macroeconomic topics will include money and banking, monetary and fiscal policy, international trade, the impact of globalization and Personal Financial Literacy. An ELS teacher will be in class to lend support to students whose native language is other than English.
ELS Co-Taught Psychology	12	1/2 unit	1 semester	Teacher Signature Required	Instructor Approval	The study of human behavior. This semester long course is designed to introduce students to the basic principles of psychology and how it applies individually and in our society. Topics will include developmental psychology, learning principles and applications, personality theory, the brain, and mental disorders. The goals of the course are to provide information that students can use in their everyday life, as well as to provide a foundation in the field of psychology. An ELS teacher will be in class to lend support to students whose native language is other than English.
ELS Co-Taught Sociology	12	1/2 unit	1 semester	Teacher Signature Required	Instructor Approval	An in-depth look at local, national, and international current events that affect everyday life in America. Using a variety of techniques such as discussion, news media, guest speakers, and research, students are exposed to the issues and developments that impact our society. The goal of the course is to stimulate interest in national and international affairs and thus motivate the student to become more actively involved in the contemporary issues of our society. An ELS teacher will be in class to lend support to students whose native language is other than English.
ELS Co-Taught Algebra 1	9-10	1 unit	1 year	Teacher Signature Required	Instructor Approval	Students taking this course should have mastered all basic arithmetic skills. Topics covered include sets, the real number system and its properties, operations with polynomials, linear equations, inequalities, systems of equations, factoring polynomials, graphing, radicals, and quadratic equations. This course provides required background necessary for the successful completion of Geometry and Algebra 2. Problem solving is emphasized and students use current technology including graphing calculators and computers. An ELS teacher will be in class to lend support to students whose native language is other than English.
ELS Co-Taught Geometry	10-11	1 unit	1 year	Teacher Signature Required	Instructor Approval	This course is the second year of the sequence of Algebra 1, Geometry, and Algebra 2. Topics include reasoning and proof, perpendicular and parallel lines, triangles, quadrilaterals, similarity, right triangle trigonometry, circles, area, and volume. It offers students many opportunities to explore geometric situations, develop concepts, and use theorems and postulates to solve applications. Students are required to communicate reasoning through proofs and other forms of writing. The course provides extensive use of algebra skills integrated into geometry concepts. An ELS teacher will be in class to lend support to students whose native language is other than English.
ELS Co-Taught English 9	9	1 unit	1 year	Teacher Signature Required	Instructor Approval	Students will prepare oral presentations and develop strategies for listening critically to the presentations of others. Reading: Students will read and interpret increasingly complex literary and informational texts. Writing: Students will write narrative, informational, and persuasive texts and work to establish a controlling idea and provide relevant support. Students will work to revise grammar, usage, and mechanics to achieve greater clarity. Research: Students will analyze informational materials, including electronic sources, for their relevance and accuracy. An ELS teacher will be in class to lend support to students whose native language is other than English.

Overland English Language Support (ELS) Program

ELS Co-Taught English 10	10	1 unit	1 year	Teacher Signature Required	Instructor Approval	<p>Oral Expression: Students will gather and organize content that will successfully influence an audience. Students will listen actively to group members when accomplishing a group goal.</p> <p>Reading: Students will read literary, informational, and persuasive manuscripts in order to develop ideas and to understand traditional and contemporary texts. Writing: Students will use different organizational patterns to inform or to persuade, and their writing will feature a variety of stylistic devices while relying on a strong foundation of proper grammar and mechanic skills. Research: Students will evaluate the validity of multiple sources while collecting information in order to answer a question, propose solutions, or share findings. An ELS teacher will be in class to lend support to students whose native language is other than English</p>
ELS Co-Taught English 11	11	1 unit	1 year	Teacher Signature Required	Instructor Approval	<p>Oral Expression: Students will analyze messages for their accuracy and relevance. Reading: Students will critically read complex literary texts to interpret and evaluate their meaning. They will synthesize ideas from informational texts for a specific purpose. Writing: Students will work to stylistically and thematically refine narrative texts. They will revise informational and persuasive texts to inform or influence an audience while making ongoing revisions in grammar, usage, and mechanics to achieve greater clarity. Research: Students will study critical thinking and evaluate quality reasoning. An ELS teacher will be in class to lend support to students whose native language is other than English.</p>
ELS Co-Taught English 12	12	1 unit	1 year	Teacher Signature Required	Instructor Approval	<p>Oral Expression: Students will analyze messages for their accuracy and relevance. Reading: Students will critically read complex literary texts to interpret and evaluate their meaning. They will synthesize ideas from informational texts for a specific purpose. Writing: Students will work to stylistically and thematically refine narrative texts. They will revise informational and persuasive texts to inform or influence an audience while making ongoing revisions in grammar, usage, and mechanics to achieve greater clarity. Research: Students will study critical thinking and evaluate quality reasoning. An ELS teacher will be in class to lend support to students whose native language is other than English.</p>

Performing Arts

The Performing Arts Department offers a selection of courses designed to advance the interests and abilities of all students. Arts education is essential to each person's development. It is a principle means for helping students discover beauty and joy in life.

It is the Overland-Prairie Campus belief that, "The Arts Make a Difference!" To ensure this, our focus is cultivating personal expression and for fostering creative potential. As a result of participation in the Arts, students discover our shared cultural heritage and prepare for meaningful lifelong activities while contributing to our school and community.

The Arts not only provide for the artistic development of students, but also provide exciting and creative learning potentials, collaborative and critical thinking skills, and opportunities for students to prepare for college and a global workforce. Research shows that a long-term participation in the Arts improves all test scores (especially Math & Reading) and also helps foster self-confidence. Considering the many benefits of an Arts education, participation in one or more areas of Overland's diverse and dynamic Arts Program should be an integral part of the course of study for all students wanting a well-rounded educational experience. Most colleges and universities offer generous scholarships for students who have shown a high level of achievement in any of the Arts. The Arts at the Overland-Prairie Campus will make a difference in your life!

6th Grade	7th Grade and 8th Grade		9th Grade	10th Grade	11th Grade	12th Grade
	Band 6,7, 8 (Beginning Band)		Concert Band			
	Band II	Band III	Marching Band / Wind Ensemble/ Symphonic Band			
	Jazz Hawks (Audition Only)		Jazz Band			
	Strings 6, 7, 8 (Beginning Orchestra)		Concert Orchestra			
	Intermediate Orchestra 7	Concert Orchestra 8		Overland Symphony		
	Chamber Orchestra (Audition Only)		String Orchestra			
	Chamber Orchestra (Audition Only)		Choralaires			
Music 6	Music 7	Music 8	Overland Singers			
			Plainsmen			
				Cecilian Singers		
				Jewell Avenue Jazz Choir		
				Nine-Mile Jazz Choir		
				Trebelaires		
Choir 6			Introduction to Theatre			
	Choir 7 Women's/Choir 7 Men's		Technical Theatre			
		Choir 8 Women's/Choir 8 Men's		Acting 1		
				Acting 2		
	Prairie Voices (Audition Only)			Advanced Acting		
Drama 6	Drama 7	Drama 8	AP Music Theory (W)			
	Drama Production		Piano			
			Music Theory			

Prairie Performing Arts Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
Band (Beginning)	6-8	N/A	1 year	No Signature Required	None	Band is a year-long course in which students will learn to read music and play a flute, clarinet, trumpet, french horn, trombone, euphonium, or tuba. A limited number of oboe, saxophone, and percussion spots may be available based on auditions during this course. Students may either provide their own instrument or rent one from the school for a \$40.00 fee. A \$10 method book is also required and students' grades will include performing at evening concerts.
Band II	7	N/A	1 year	Teacher Signature Required	Minimum 1 Year Playing Experience	Band II is a year-long course for students planning to continue their chosen instrument from 6th Grade Band. Students may either provide their own instrument or rent one from the school for a \$40 fee. Students' grades will include performing at evening concerts.
Band III	8	N/A	1 Year	Teacher Signature Required	Minimum 1 Year Playing Experience	Band III is a year-long course for students planning to continue their chosen instrument from either Band 7 or Band II. Students may either provide their own instrument or rent one from the school for a \$40 fee. Students' grades will include performing at evening concerts including combined performances with Overland High School.
Jazz Hawks	7-8	N/A	1 year	Teacher Signature Required	Audition	Students must be enrolled in a band class (or possibly orchestra for rhythm section players) in order to participate in Jazz Hawks. The required audition will take place during second semester for each following year, but students may transfer in with a scheduled audition mid-year in certain cases. Student work will focus on playing a variety of styles consistent with traditional jazz ensembles as well as learning and practicing jazz improvisation. Several evening concerts will be required throughout the year.
Strings (Beginning Orchestra)	6-8	NA	1 Year	No Signature Required	None	Strings (Beginning Orchestra) is a year-long course for students who want to learn and play one of the stringed instruments (violin, viola, cello or bass). Little or no experience is required, as the class will start with the basic fundamentals of reading music and instrument playing. Students may either provide their own instrument or rent one from the school for a \$40 fee. A \$10 method book is also required. Class expectations include regular home practice, daily class participation and attendance at evening concert performances.
Intermediate Orchestra 7	7	NA	1 Year	Teacher Signature Required	Minimum 1 year playing experience	Intermediate Orchestra 7 is a year-long course, open to students who have one or more years of playing experience. As a continuation of Strings 6 (Beginning Orchestra), students will be building upon previous skills to strengthen their fundamentals. Students may either provide their own instrument or rent one from the school for a \$40 fee. A \$10 method book is also required. Class expectations include regular home practice, class participation and attendance at evening concert performances.
Concert Orchestra 8	8	NA	1 Year	Teacher Signature Required	Minimum 1-2 years playing experience	Concert Orchestra 8 is a year-long course, open to students who have one or more years of playing experience. It is a continuation of Concert Intermediate Orchestra 7. Students will be building upon previous skills to strengthen their fundamentals and prepare for high school orchestras. Students may either provide their own instrument or rent one from the school for a \$40 fee. A \$10 method book is also required. Class expectations include regular home practice, class participation and attendance at evening concert performances.
Chamber Orchestra	7-8	NA	1 Year	Teacher Signature Required	Audition required AND a member of the Concert Orchestra	The Chamber Orchestra is an advanced, auditioned ensemble, consisting of 7th & 8th grade students concurrently enrolled in Concert Orchestra. The class allows advanced string students and piano players to increase their playing skills and be challenged musically through a more rigorously repertoire. Class expectations include regularly home practice, class participation and attendance at concert performances.
Music	6-8	N/A	1 semester	No Signature Required	None	Students will receive instruction in music and will practice with one or more of the following instruments: guitar, bass, drum set, auxiliary percussion, keyboards and voice.

Prairie Performing Arts Program

Choir 6	6	N/A	1 semester	No Signature Required	None	Students learn to sing at a beginning level. Proper vocal production, breath support and tone control are emphasized. Students will sing in unison, rounds, canon and in harmony. An opportunity will be available for students to explore music and its relationship to history, art and society in various cultures. Simple note reading is taught. Attendance at scheduled rehearsals and performances is mandatory. Concert attire is required. A nominal fee is required in this class to cover the use of school-owned class materials.
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Choir 7 Women's/Choir 7 Men's	7	N/A	1 semester (may be repeated) or 1 year	No Signature Required	None	This class is for students who wish to pursue singing at a serious level. Careful attention is given to diction, phrasing, music reading, tone quality and rhythmic accuracy. Vocal technique is highly emphasized. Three- and four-part harmony is also emphasized. Choral literature from all periods and styles is included. Attendance at scheduled rehearsals and performances is mandatory. Concert attire is required. A nominal fee is required in this class to cover the use of school-owned class materials.
Choir 8 Women's/Choir 8 Men's	8	N/A	1 year	No Signature Required	None	This class is for students who wish to pursue singing at a serious level. Careful attention is given to diction, phrasing, music reading, tone quality and rhythmic accuracy. Vocal technique is highly emphasized. Three- and four-part harmony is also emphasized. Choral literature from all periods and styles is included. Attendance at scheduled rehearsals and performances is mandatory. Concert attire rental fee is required.
Prairie Voices	7-8	N/A	1 year	Teacher Signature Required	Audition	Prairie Voices is Prairie's premiere and most advanced vocal ensemble. This audition-only group meets during Access time and involves learning more advanced repertoire and skills as well as making multiple, outside-of-school, performances as Prairie's showcase choral group. Attendance at scheduled rehearsals and performances is mandatory. Concert attire rental fee is required.
Drama 6	6	N/A	1 semester	No Signature Required	None	This beginner's level class is designed for the new and growing actor. 6th grade students will develop and deepen their understanding of the craft of acting by making inferences and creating character objectives. Various acting styles are incorporated in this class including improvisation. Memorization and writing are required.
Drama 7	7	N/A	1 semester	No Signature Required	None	This rigorous class builds on the skills learned in 6th grade drama. Students continue to explore their own creativity through the exploration of objectives, playable actions, and physical/vocal characterization. It also includes the working of scenes from contemporary, classical, and student-composed work. Heavy memorization and writing are required.
Drama 8	8	N/A	1 semester	No Signature Required	None	As a follow-up to 6th and 7th grade theatre offerings, this course introduces students to the world of public speaking and "improv" in a comfortable classroom setting. Students will learn the nuances of delivering information and persuasive speeches or monologues. Also this course teaches the fundamentals of improvisation, improvisational choices and self-confidence through the use of theatre "handles" and exercises. Heavy memorization and heavy writing is required.
Drama Production	7-8	N/A	1 year	Teacher Signature Required	Audition	Drama Improvisation continues dramatic learning with involvement in one major play. Students will be involved in all aspects of a show; playwriting, acting, technical elements, and production. This course requires work outside of school time. Preference will be given to students who have completed other drama classes.

Overland Performing Arts Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
Concert Band	9-12	1 unit	1 year	No Signature Required	None	Concert Band is open to all beginning and intermediate students who play woodwind, brass or percussion instruments. No Audition is required. Students who do not wish to participate in marching band and want to play traditional concert band repertoire should join this class. Attendance at all performing events is required. Instrument Rental fee of \$60. Music material fee of \$20.
Wind Ensemble (2nd Semester)	9-12	1/2 unit	1 semester	Teacher Signature Required	Spring audition	This ensemble is open to students who audition in November. Students in Wind Ensemble play advanced literature and must have a concrete background in basic rhythm and note reading to be successful as there is one person on a part. Attendance at all performances is a requirement. Instrumental rental fee of \$60.
Jazz Band	9-12	1 unit	1 year	Teacher Signature Required	Spring audition and participation in a second ensemble	This jazz group further develops a student's interest in performance of jazz. The objective of this course is to develop skills in jazz creativity, improvisation, and exposure to a broad variety of jazz literature. Attendance at all performances is a required part of this class. Instrument rental fee of \$60.

Key: (W) = weighted grade, AP = Advanced Placement, CE = Concurrent Enrollment, IST = STEM

Overland Performing Arts Program

Marching Band (1st Semester)	9-12	1/2 unit	1 semester	Teacher Signature Required	Summer Band Camp	The marching band performs at all home football games, pep rallies, and homecoming events. Attendance at band camp (usually scheduled in the middle of July) is mandatory for participation in the class. Attendance at all performing events is required. After the marching season has concluded, the band will perform traditional concert band literature. If a student participates in 2 years of Marching Band, they will be eligible to waive .5 credits of their PE requirement. Instrument rental fee of \$60, Marching Band fee of \$80. (fundraising opportunities are available.)
Symphonic Band	9-12	1/2 unit	1 semester	Teacher Signature Required	Spring Audition	This ensemble is open to students who audition in November. Students in Symphony Band play high school literature with several musicians on a part. Students will focus on note and rhythmic reading. Attendance at all performances is a requirement. Instrumental rental fee \$60. Music material fee of \$20.
Concert Orchestra	9-12	1 unit	1 year	Teacher Signature Required	Teacher recommendation or 2 years of previous orchestra experience	Concert Orchestra is designed to acquaint continuing string students with the many phases and aspects of orchestral literature and performance. This includes exploring wide range of repertoire and string playing techniques. This course may require rehearsal time outside of class. Attendance at all performances is a required part of this class. \$20.00 Music Materials Fee, \$60.00 School Instrument Rental Fee (fundraising opportunities available)
Overland Symphony	10-12	1 unit	1 year	Teacher Signature Required	Spring audition and/or teacher recommendation	The Overland Symphony is open to experienced string students by audition only. Students are expected to practice their instruments regularly and are encouraged to study privately with a qualified instructor. This course will explore a variety of advanced orchestral literature representing various musical periods and styles. Students have an opportunity to refine their technique preparing them for college auditions and scholarship awards. This course may require rehearsal time outside of class. The Overland Symphony will have performances throughout the year; attendance at all performing events is mandatory. Students new to the Overland Symphony will also be expected to purchase concert attire (black dresses for women, tuxedos for men). Music Materials Fee of \$20, School Instrument Rental Fee \$60 (fundraising opportunities available)
Piano	9-12	1/2 unit	1 semester	No Signature Required	None	This course is a lab-based class for students of all ability levels who are interested in improving their piano skills. Students will develop skills in harmonization, sight-reading, repertoire, style and technique. This course may be taken multiple times for credit; level 2 and above students are given priority. Music materials fee of \$10.
String Orchestra	9-12	1 unit	1 year	No Signature Required	None	String Orchestra is a class for any students looking to refine their introductory string playing technique. Any student who has played violin, viola, cello, or string bass for at least one year may enroll in this course. Beginners may register for the class with teacher approval. Students are expected to provide their own instruments for this course, which may require renting an instrument from a music store (monthly rental prices vary depending on the type of instrument). Attendance at all performances is a required part of this class. \$20.00 Music Materials Fee, \$60.00 School Instrument Rental Fee (fundraising opportunities available)
Choralaires (Women Only)	9	1 unit	1 year	Teacher Signature Required	Spring audition	This course is designed for 9th grade female vocalists who are advanced in their vocal and musical skills. Emphasis is on advanced technique and skill development using a broad range of literature. This choir performs several times throughout the year. Attendance at all performances is a required part of this class. Dress Rental fee of \$40.
Overland Singers (Women Only)	9-12	1 unit	1 year	No Signature Required	None	This choir is an entry-level women's choir. Emphasis is on developing proper singing skills and performing a broad range of choral literature. This choir performs several times throughout the year and attendance at all performances is a required part of this class. Students new to Overland Singers will be expected to purchase concert attire. Music Materials Fee of \$10.
Plainsmen (Men Only)	9-12	1 unit	1 year	No Signature Required	None	Plainsmen are an entry-level men's singing group. Emphasis is on developing vocal skills through a wide range of music, and performance skills through a variety of creative staging techniques. The group performs pop and folk music as well as more traditional men's choral music. This choir performs several times throughout the year, and attendance at all performances is a required part of this class. Students new to Plainsmen will be expected to purchase concert attire. Music Materials Fee of \$10.
Cecilian Singers	10-12 (men) & 11-12 (women)	1 unit	1 year	Teacher Signature Required	Spring Audition	Named for the patron saint of music, Cecilian Singers is an auditioned chamber ensemble of approximately 30 mixed voices. Though the group is primarily made up of juniors and seniors, a few sophomore boys are a part of Cecilians each year. Well known for its excellence in performance, this group performs 10 to 15 times throughout the year, and attendance at all performances is a required part of this class. Men new to Cecilian Singers will be expected to purchase concert attire. Dress Rental fee of \$40 (girls only). Retreat fee at \$60.

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Overland Performing Arts Program

Jewell Avenue Jazz Choir (Women Only)	10-12	1 unit	1 year	Teacher signature & membership in Trebelaires OR Cecilian Singers required	Spring audition and membership in Trebelaires OR Cecilian Singers	This class is an intermediate/advanced choir that explores singing in the jazz style. This ensemble includes sophomore through senior girls and explores improvisational singing, reading chord changes, choral jazz blend, singing with stylistic considerations. This choir is a performing choir and performances are mandatory. Students new to Jewell Avenue Jazz will be expected to purchase concert attire. .
Nine-Mile Jazz Choir	10-12 (men) & 11-12 (women)	1 unit	1 year	Teacher Signature & membership in Cecilian Singers Required	Spring audition membership in Trebelaires OR Cecilian Singers	This class is an advanced choir that will explore singing in the jazz style. Though this ensemble is primarily juniors and seniors, one or two sophomore boys are part of jazz each year. We will begin to explore improvisational singing, reading chord changes, choral jazz blend, singing with stylistic consideration, and learning about the history of jazz. This choir is a performing choir, and performances are required. This choir sings often in public performance. Students new to Nine-Mile Jazz will be expected to purchase concert attire.
Trebelaires (Women Only)	10-12	1 unit	1 year	Teacher Signature Required	Spring Audition	Trebelaires is a highly skilled women's choir known throughout the state for its excellence. The purpose of this ensemble is to expose the singers to quality literature for treble voices and to develop vocal technique and precision. This group of 40-50 women performs 10 to 15 times throughout the year, and attendance at all performances is a required part of this class. Dress Rental fee of \$40, Retreat fee \$15.
Introduction to Theatre	9-12	1/2 unit	1 semester	No Signature Required	None	This course introduces students to the fundamentals of stage performance. Through a variety of performance experiences and exercises, students learn to manipulate their voices and bodies in order to express themselves creatively. Students increase their confidence and comfort in front of an audience while learning to develop creative solutions to performance challenges. This course will explore the role that theatrical performance has played throughout human history and examines the "human experience." Student are required to attend one live theatrical performance outside of class and memorize multiple scenes and monologues.
Technical Theatre	9-12	1/2 unit	1 semester	No Signature Required	Introduction to Theatre	Through creative, hands on projects and practical applications, students will learn and interact with the core areas of technical theatre. Lighting, sound, construction, costuming, painting and makeup will be explored in this course.
Acting 1	10-12	1 unit	1 year	Teacher Signature Required	Introduction to Theatre	This course continues the basic techniques of theatrical play students learned in Introduction to Theatre, and begin to teach the techniques required for more sophisticated characterization. This course will place major emphasis on creating dynamic and engaging performances by practicing the techniques of Robert Cohen, a master in the art of acting. Students will explore the art of acting through scene work, monologue work, play study, character analysis, theatre exercises, rehearsal technique, solo and group performance art, and a final one-act play production.
Acting 2	11-12	1 unit	1 year	Teacher Signature Required	Introduction to Theatre / Acting 1	This course continues the learning and growth of students in the field of acting by focusing on the production of a play. Students will audition and be cast in a play to be rehearsed over the course of the year. The course culminates in a final performance for the community in the Overland Theater. Students will gather props, costumes and set pieces for their performance. This class will continue the emphasis on creating dynamic and engaging theatrical performances throughout the work of the actor and director. Students are required to attend some rehearsals outside of the normal hours of class. This course will prepare students for college throughout the learning of essential collaborative and individual theatrical skills that apply to all subject areas.
Advanced Acting	11-12	1 unit	1 year	Teacher Signature Required	Acting 1 or Acting 2 and Spring audition	This course is designed to continue the process of acting techniques that we learned about in Acting 1 and begin to apply those techniques to the production process of one-act, sketch-comic, and improvisational live performances. The secondary purpose of advanced acting is to prepare you for professional auditions in the community or auditions for acting schools as you move on from high school. Attire fee \$30.
Music Theory	9-12	1/2 unit	1 semester	None	None	Introducing the basics of music theory, this course is designed to help the beginning music student, or those students with limited background in music theory, study the basic elements of music. Topics include notation, rhythm, scales, key signatures, intervals, chords, beginning level melodic and rhythm dictation, ear-training and sight singing skills. Music materials fee: \$10
AP Music Theory (W)	9-12	1 unit	1 year	Teacher Signature Required	Teacher Approval OR 2 years of previous music experience	AP Music Theory is a course designed for those students who are planning to go on in music after high school or who are interested in learning to analyze music at a college level. The students will work with all aspects of introductory music theory and ear training, including four-part writing skills, formal analysis, and sight singing. Students will also analyze the scores of major works. Students should have the ability to read treble and bass clefs with minimal conscious effort. Music materials fee of \$10.

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Visual Arts

The Visual Arts Department offers a wide selection of courses designed to advance the interests and abilities of all students. Arts education encourages and nurtures individual voice and abilities of all students. It is a principle means for helping students discover their creative intelligence.

It is the Overland-Prairie Campus belief that all students can benefit from education in the arts. To ensure this, our focus is on building capacity for creative, collaborative, and critical thinking skills necessary for a global society.

At Prairie, students will experience the visual arts through an exploratory approach. Students will be engaged in a rigorous curriculum covering cultural, historical, and cross-curricular themes. At Overland, courses investigate visual communication, problem solving, skill building, and critical thinking in two or three-dimensional media. Not only does coursework build connections to 21st Century skills and careers, but also it transmits and transforms culture through art as an enrichment and expression of humanity.

6th Grade	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
Art 6	Art 7	Art 8	Drawing & Painting 1			
<div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p style="text-align: center;">Prairie Access Visual Arts Electives:</p> <p>Art History/Appreciation Jewelry Making</p> </div>			Drawing & Painting 2			
			Drawing & Painting 3			
			Beginning 3D Art (Ceramics & Sculpture 1)			
			Intermediate 3D Art (Ceramics & Sculpture 2)			
			Advanced 3D Art (Ceramics & Sculpture 3)			
			Photography 1			
			Photography 2			
			Photography 3			
			Photography 4			
			Graphic Design 1			
			Graphic Design 2			
			Graphic Design 3			
			Graphic Design 4			
			AP Art History (W)			
			AP Studio Art 2D (W)			
			AP Studio Art 3D (W)			
			AP Studio Art Drawing (W)			

Prairie Visual Arts Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
Art 6	6	N/A	1 semester	No Signature Required	None	Students emphasize the elements of design through the process of drawing, painting, and ceramics. Art units emphasize cultural, historical, and cross-content understandings. Nominal fee required.
Art 7	7	N/A	1 semester	No Signature Required	None	This is a continuation of visual arts. Students build upon and learn new art techniques through drawing, painting, ceramics, and mixed media. Art units emphasize cultural, historical, and cross-content understandings. Nominal fee required.
Art 8	8	N/A	1 semester	No Signature Required	None	This is continuation of visual arts. Students build upon and learn new art techniques through drawing, painting, ceramics, mixed media, and the digital arts. Art units emphasize cultural, historical, and cross-content understandings. Nominal fee required.

Overland Visual Arts Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
Photography 1	9-12	1/2 unit	1 semester	No Signature Required	None	Fee - \$25. Students will learn the basic techniques of digital photography and the post editing process. They will learn to properly utilize the cameras settings, explore basic concepts of composition, and learn how to express abstract ideas through a photographic medium. Students will also learn basic editing skills in using photoshop.
Photography 2	9-12	1/2 unit	1 semester	No Signature Required	Photography 1 with a passing grade	Fee - \$25. Students will learn more difficult camera techniques, and continue to expand their creative exploration through a variety of photography challenges.
Photography 3	10-12	1/2 unit	1 semester	No Signature Required	Photography 2 with a passing grade	Fee - \$25. This course is for the advanced photographer interested in developing a photo portfolio. Students work more independently, but with guidance from the instructor on expanding skills. More emphasis is placed on visual concepts, experimentation and continued personal artistic expression. Students who complete this class in good standing are qualified to go on to Advanced Placement Art Studio.
Photography 4	10-12	1/2 unit	1 semester	No Signature Required	Photography 1 , 2, & 3 with a passing grade	Fee - \$25. This course is designed to challenge students to refine their ability to coverge in two or three specific themes or techniques, and thoroughly explore them through the medium of photography. This optional precursor to AP Photography (AP 2D Studio Art) will help you create a "Concentration" that will provide additional support for the completion of your AP 2D Studio Art Portfolio.
Drawing & Painting 1	9-12	1/2 unit	1 semester	No Signature Required	None	Fee - \$25. This course is designed for students to explore the basics of drawing and painting. Students work in a variety of wet and dry media including tempera paint, pen, pencil, and much more. Drawing & Painting 1 students will learn how to design compositions, utilize their imagination, and learn how to work from real life. This class is technique based and is a great foundation for all art classes. Artists from multiple different movements are explored and students build a visual art vocabulary. No previous experience is required for this class.
Drawing & Painting 2	9-12	1/2 unit	1 semester	No Signature Required	Drawing & Painting 1 with a passing grade	Fee - \$25. Students enhance the skills learned in Drawing and Painting 1 to further explore two-dimensional drawing and painting media. Creative thinking and problem solving strategies are encouraged in the making of several finished projects.
Drawing & Painting 3	10-12	1/2 unit	1 semester	No Signature Required	Drawing & Painting 2 with a passing grade	Fee - \$25. The keynote of this class is developing personal voice, while expanding skills. More emphasis is placed on visual concepts, experimentation, problem solving strategies, and continued personal artistic expression. Students who complete this class in good standing are qualified to go on to Advanced Placement Art Studio.
Graphic Design 1	9-12	1/2 unit	1 semester	No Signature Required	None	Fee - \$25. This class covers the creation and production of graphic design projects, emphasizing layout, typography, creative design process, problem solving, and research. Students will be pushed in the areas of creativity and craftsmanship while expanding their knowledge of the elements and principles of design. Assignments range from individual to collaborative and are built to introduce design thinking, critical discussion and personal decision-making in relation to graphic design and address the ethics of intellectual property laws. Through the study of graphic design and self-expression students will strengthen their foundation as an artist and familiarize themselves with ever-expanding 21st century career skills. Students will learn to utilize Adobe Illustrator and Adobe Photoshop.

IST

Overland Visual Arts Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
Graphic Design 2 <div style="text-align: right; border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">IST</div>	9-12	1/2 unit	1 semester	No Signature Required	Graphic Design 1 with a passing grade	Fee - \$25. This course is an introduction to Design as it relates to the individual student and their place in the larger world. Students will learn the basic elements of Design; its purpose, techniques, influences and its connection to past and current culture. Students will also learn visual literacy and critical thinking applied to a variety of art mediums including basic computer design. Projects will focus on product design, animation and illustration. Students will be challenged to push themselves in areas of research, creativity and craftsmanship. Through the study of both graphic design and self-expression, students will strengthen their foundation as an artist and familiarize themselves with the ever-expanding skills necessary in today's complex culture.
Graphic Design 3 <div style="text-align: right; border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">IST</div>	10-12	1/2 unit	1 semester	No Signature Required	Graphic Design 1 & 2 with a passing grade	Fee - \$25. This course is a continuation of the exploration of Graphic Design as it relates to the students, and how they can interact with and shape the world around them. Students will continue utilizing the Elements and Principles of Design in order to further their conceptual art and ideas. Students will use visual literacy and critical thinking skills to utilize their developed design skills to work on more project and theme based assignments. Students will also begin to learn about marketing design and how their projects and ideas can translate to practical use in their community and outside.
Graphic Design 4 <div style="text-align: right; border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">IST</div>	10-12	1/2 unit	1 semester	No Signature Required	Graphic Design 1, 2, & 3 with a passing grade	Fee - \$25. Graphic Design 4 will focus on students using their skills gained in the past three Graphic Design courses in real work applications. Students will use what they have learned over the past three courses to explore how Advertising, Art, and Marketing can be used together to create a product or identity for different clients they could have as a Graphic Designer. Projects will focus on designing practical items for everyday use as well as researching programs or companies. Finally, they will learn how to build an official web page so they may increase their web presence and begin practicing creating different products for clients.
Beginning 3D Art Sculpture 1) (Ceramics & Sculpture 1)	9-12	1/2 unit	1 semester	No Signature Required	None	Fee - \$25. Students explore a variety of three-dimensional sculptural and ceramic processes. They learn fundamental sculpting techniques including additive, subtractive and modeled techniques, which will be used to take two-dimensional ideas into the three-dimensional world. A variety of materials will be explored. Students learn traditional hand-building ceramic skills, which will be used to create more functional three-dimensional pieces in clay. This course is designed to give students a strong background in problem solving, creative and critical thinking which can be applied to their art work. A study of artists and other cultures is included in most units.
Intermediate 3D Art Sculpture 2) (Ceramics & Sculpture 2)	9-12	1/2 unit	1 semester	No Signature Required	Beginning 3D Art with a passing grade	Fee - \$25. This course is a continuation of Ceramics & Sculpture 1. Students continue exploring the various building techniques used in the sculptural and ceramic process, and even combining the two to discover the possibilities of functional and non-functional art works. Elements and Principles of Art and Design are focused on, together with the design process. Students use a broad range of sculptural materials and learn to throw on the potter's wheel. A further development of problem solving and critical thinking allow students to take ideas from a sketch to a three-dimensional piece of work. Critiques of student work as well as studies of artists and other cultures are included.
Advanced 3D Art Sculpture 3) (Ceramics & Sculpture 3)	10-12	1/2 unit	1 semester	No Signature Required	Intermediate 3D Art with a passing grade	Fee - \$25. This course is for the advanced student interested in developing a portfolio of work in their chosen area, ceramics or sculpture. Students will work more independently but with guidance from the instructor on expanding skills. More emphasis will be placed on visual concepts, experimentation and continued personal artistic expression. Students who complete this class in good standing will then be qualified to go on to Advanced Placement Studio Art if desired.
AP Studio Art Drawing (W) <div style="text-align: right; border: 1px solid black; padding: 2px; width: fit-content; margin: 0 auto;">IST</div>	11-12	1 unit	1 year	Teacher Signature Required	Drawing & Painting 3	Fee - \$25. This course is part of the National College Board AP program for students seeking college art credit, a creative challenge, and/or serious art students. During the first semester, a breadth of visual problems will be explored. During second semester, students will develop their own visual language and voice for the Concentration part of the portfolio. At the end of the year, students are required to submit a substantial portfolio of artwork in Drawing; which can include drawing, painting, printmaking, and mixed media. The Drawing portfolio is intended to address a wide range of approaches and media focused on mark making, arrangements of the marks, and materials used to make the marks. Students will work simultaneously in class and outside of class to complete their requirements as well as participate in art shows, field trips, and critiques.

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Overland Visual Arts Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
AP Studio Art 2D (W) <div style="border: 1px solid black; padding: 2px; width: fit-content; margin-left: auto; margin-right: auto;">IST</div>	11-12	1 unit	1 year	Teacher Signature Required	Drawing & Painting 3 OR Photography 3 OR Graphic Design 2	Fee - \$25. This course is part of the National College Board AP program for students seeking college art credit, and are prepared to work at the highest require level in artistic production. During first semester, a breadth of visual problems will be explored. During second semester, students will develop their own visual language and voice for the concentration part of the portfolio. At the end of the year students are required to submit a portfolio of 24 pieces of art in one of these areas: Drawing or 2-D Design. Students who have taken Computer Art/Photography and/or Design are welcome, with the signature of their teacher. Students will work simultaneously in class and outside of class to complete their requirements as well as participate in art shows, field trips, ad critiques. An orientation sessio will be held at the end of the school year prior to taking this class all pre- enrolled students. If you wish to participate in the AP Portfolio Exam there will be an additional cost determined by The National College Board.
AP Studio Art 3D (W) <div style="border: 1px solid black; padding: 2px; width: fit-content; margin-left: auto; margin-right: auto;">IST</div>	11-12	1 unit	1 year	Teacher Signature Required	Advanced 3-D Art	Fee - \$25. This course is part of the National College Board AP program for students seeking college art credit, a creative challenge, and/or serious art students. During first semester, a breadth of visual problems will be explored. During second semester, students will develop their own visual language and voice for the Concentration part of the portfolio. At the end of the year students are required to submit a substantial portfolio of artworks in 3-D Design. Artworks completed prior to the class may apply if the student has achieved a proficient or advanced level in manipulative skills and concepts. Students will work simultaneously in class and outside of class to complete their requirements as well as participate in art shows, field trips, and critiques. An orientation session will be held at the end of the school year prior to taking this class for all pre-enrolled students.
AP Art History (W)	10-12	1 unit	1 year	Teacher Signature Required	None	Fee - AP Test at Conclusion. Art is the evidence left behind by world history. Students will learn about world cultures, religions, politics and philosophies through art and architecture. They will study significant artists, art periods, styles and mediums and how they are a part of human evolution and thought, from Prehistoric cave paintings to contemporary architecture. Student research and essay writing are a part of this course. AP Art History is a nationally recognized course sponsored by the College Board, and upon successful completion of the AP exam, students may earn college credit. Students can use this course for a full Art credit.

Technology

The Technology Department offers a wide selection of courses designed to advance the interests and abilities of all students. Considering the importance of technology today, the skills that are taught in these classes are valuable and can be used in many other content areas.

Currently, courses are offered in engineering, computer aided design, computer science, robotics, multimedia, web design, automotive technology, and other applied technologies. The Overland-Prairie Campus is committed to preparing students for their future and, therefore, offers several certification and diploma-certificate opportunities in technology through the career pathways.

6th Grade	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade			
Technology			Technology Projects (sem)						
	STEAM Explorations		Technology Projects (year)						
Robotics			STEAM Projects						
			Computer Aided Design (CE)						
			Engineering Design (CE)						
					Architectural Drawing				
							Internship/Sr. Project		
					Robotics (Intermediate)				
					Robotics and Electro-Mechanical Design				
							Internship/Sr. Project		
			Consumer Automotive						
					Automotive Technology 1				
					Automotive Technology 2 (CE)				
							Automotive Technology 3 (CE)		
							Internship/Sr. Project		
			AP Computer Science Principles (W)						
					AP Computer Science A (W)				
							Application Development		
							Data Structures & Algorithms		
							Internship/Sr. Project		
			Video Production 1						
			Video Production 2						
			Broadcast Journalism						
		Advanced Video Production							
				Internship/Sr. Project					
Web Page Design 1									
Web Page Design 2 (CE)									
				Internship/Sr. Project					
Exploring Health Science									
		Principles of Health Science							
Web and Digital Design		Robotics Engineering 1		Advanced Health Science					
Prairie News Network				Introduction to Criminal Justice					
				Criminal Investigations (CE)					



Note: This chart shows examples of 4-year career paths. Please consult the course guide on the following pages for specific grade level offerings and the required prerequisites.

Key: **(W)** = weighted grade, **AP** = Advanced Placement, **CE** = Concurrent Enrollment, **IST** = STEM

Prairie Technology Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
STEAM Explorations	7	N/A	1 semester	No Signature Required	None	Students will learn and actively use the Engineering Design Process to bring their designs to life. From fabrication tools to CAD and 3D printing, students are exposed to basic software, tools and equipment found at the foundation of any CTE STEAM pathway. Students will utilize design software (SketchUp), Arduinos, coding, and other tools to manufacture new products. The course will end with students using all course skills to collaboratively create a final project.
Technology	6-8	N/A	1 semester	No Signature Required	None	Technology is an exploratory opportunity available to all students at Prairie. Throughout the 3 grade levels students are given opportunities to explore a variety of applications and techniques that include keyboarding, word processing, spreadsheets, and presentation software providing skills to ensure success in their future. Students will also have opportunities to pursue graphics creation, graphic manipulation, mixed media documents, mixed media productions, video production, animation, and other possibilities of their own choosing. After successful completion of a semester of Technology, some students will have the opportunity to join Prairie's News Network (PNN) where they will actively participate in the script-writing, filming, production and announcing of PNN Daily Video Announcements and PNN Special Productions.
Robotics	6-8	N/A	1 semester	No Signature Required	None	Robotics provides an opportunity for students to explore engineering and programming through problem based learning by combining NXT Lego Mindstorm software and kits to design solutions to everyday problems. Students will learn: teamwork, the basics of robotics, and engineering and programming concepts. The course is designed to develop technologically literate students who through their use of robotics to develop an interest in learning the basics of mechanical engineering, design, and computer programming.

Overland Technology Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
Technology Projects (Sem)	9-10	1/2 unit	1 semester	No Signature Required	None	Students will engage in exciting hands-on projects in STEAM fields: robotics, engineering, and programming. Possible projects: Web Design with Google sites, Freeze Tag, App Inventor, Flight Endurance, HTML, Tractor Pull Robots, Game Design/ Programming, bridges (CAD), CAD squares, catapults and Seaperch robots. Students will attend for one semester.
Technology Projects (Year)	9-10	1 unit	1 year	No Signature Required	None	Students will engage in exciting hands-on projects in STEAM fields: robotics, engineering, and programming. Possible projects: Web Design with Google sites, Freeze Tag, App Inventor, Flight Endurance, HTML, Tractor Pull Robots, Game Design/ Programming, bridges (CAD), CAD squares, catapults and Seaperch robots. Students will attend for one year.
Computer Aided Design (CE) 	10-12	1 unit	1 year	No Signature Required	None	Fee \$10 Computer Aided Design is an entry level drafting and CAD class designed to teach students how to use various drawing instruments to read and create technical drawings. Students learn the fundamentals of Computer Aided Drafting and Design (CADD) using the industry standard software, 3D Solid Works. They complete projects that emphasize principles of design, reasoning, problem solving and presentation skills. This course is designed for students interested in exploring careers related to engineering, architecture, drafting and interior design. Students have the opportunity to take the CSWA industry standard associates certification exam. Students enrolled in CAD are encouraged to participate in the CTSO (Career and Technical Student Organization) TSA (Technology Student Association)* student organization.
Engineering Drawing and Design (CE) 	10-12	1 unit	1 year	Teacher Signature Required	Computer Aided Design	Fee \$30 Engineering Drawing and Design is the second in a series of classes offered in the area of mechanical design/engineering. This course allows students to further their skills in design and problem solving and continue their learning of an industry standard software, 3D Solid Works. The emphasis on Engineering Design focuses on applying and utilizing the iterative engineering design process to develop products, systems, and processes. Students are responsible for researching, designing, and constructing prototypes using both CADD and fabrication equipment. Students have the opportunity to take the CSWA industry standard associates certification exam and the CSWP industry standard professional certification exam. Students enrolled in Engineering Design are encouraged to participate in the CTSO (Career and Technical Student Organization) TSA (Technology Student Association)* student organization. This course is a Concurrent Enrollment course through the Community College of Aurora. Students enrolled in this course will complete college-level work while in high school. Students who have met the prerequisite and earn a "C" or better in the class will receive 6 college credits.

Key: **(W)** = weighted grade, **AP** = Advanced Placement, **CE** = Concurrent Enrollment, **IST** = STEM

Overland Technology Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
Architectural Drawing	11-12	1 unit	1 year	Teacher Signature Required	Computer Aided Design AND Engineering Design AND instructor approval	Fee \$30 Architectural Drawing provides an introduction to the study of building design and construction. Students learn how to design and create detailed floor plans with supplemental plans such as elevation, sectional, site, detail, electrical and plumbing drawings. Students learn ArchiCAD software, including an introduction to construction topics related to building design. Students enrolled in Architectural Drawing are encouraged to participate in the Technology Student Association (TSA)* a student organization.
Robotics (Intermediate)	10-12	1 unit	1 year	Teacher Signature Required	Geometry (may be taken concurrently) and Introduction to Robotics	Fee \$10 In this project-based course, students use a micro-controller to control robots and other complex electromechanical systems. They learn how various sensors work and design their own systems on breadboards using electrical principles. Topics of study include sense & response programming, circuits, designing and developing sensors and building complex control systems.
Robotics and Electro-Mechanical Design	11-12	1 unit	1 year	Teacher Signature Required	Intorduction to Robotics AND Robotics (Intermediate)	In this course, students will explore fundamental concepts to the circuits and elements that make up an autonomous robot. With circuit design, students will work on projects that introduce them to the fundamentals and physics of analog and digital circuits by allowing them to design electronics that perform specific tasks. <u>Students will use these concepts to design, build, and program more complex machines.</u>
Consumer Automotive	9-12	1/2 unite	1 semester	No Signature Required	None	Fee - \$10 This is a class in auto SURVIVAL! It is designed to help students be more knowledgeable consumers. This course provides a working experience with cars. After classroom sessions in safety, students will perform supervised maintenance on a vehicle. The safe and proper use of equipment is stressed. All <u>students should take this class to be able to do basic auto maintenance.</u>
Automotive Technology 1	10-12	1 unit	1 year	No Signature Required	None	This course offers students an understanding of the principles and fundamentals of automotive systems and the safe use of hand and power tools. A full year of study involves maintenance and light repair of cars and trucks. Students work on vehicles in a work environment. Emphasis is placed on safe working practices, preventative maintenance, warning indicators, engine inspection, engine covers, timing belt and hybrid vehicle maintenance. <u>This is a fun course for the hands on learner.</u>
Automotive Technology 2 (CE)	10-12	2 units	1 year	No Signature Required	Automotive Technology 1	This course aligns with the Colorado Community College courses ASE 123 Automotive Electrical and ASE 150 Automotive U-joint & Axle Service. Students earn high school credit while at the same time enroll in and earn Arapahoe Community College credit toward a 2 year A.A.S. (Associate of Applied Science) degree. Engine performance and electronics will be highlighted in this class. See Instructor for more information. This course is a Concurrent Enrollment course through the Arapahoe Community College. Students enrolled in this course will complete college-level work while attending high school. Students who earn a "C" or better in the class will receive 2 college credits. <u>This is a double block class.</u>
Automotive Technology 3 (CE)	11-12	2 unit	1 year	Teacher Signature Required	Automotive Tech 1 & 2	This class prepares students for a job in the automotive industry and is taken as an independent study class. The course will cover advanced electronics and engine performance. Automotive Service Excellence (ASE) tasks will be completed in this course. Students completing this course will be awarded a national certification. See instructor for more information an approval to take this class. This course is for the serious independent student wishing to have a career in the automotive industry. This course is a Concurrent Enrollment course through the Arapahoe Community College. Students enrolled in this course will complete college-level work while attending high school. Students who earn a "C" or better in the class will receive 2 college credits. <u>This is a double block class.</u>
AP Computer Science Principles (W)	9-12	1 unit	1 year	No Signature Required	Geometry (may be taken concurrently) and prior programming experience recommended	Fee- \$10 AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programing, abstractions, algorithms, large data sets, the internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real-world problems and build relevant solutions. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science.
AP Computer Science A (W)	10-12	1 unit	1 year	Teacher Signature Required	Algebra 2 (may be taken concurrently) OR Computer Science Principles OR Teacher Recommendation	Fee- \$10 This course is a year-long, college level course in the study of computer science. Students learn to code fluently in a well-structured programming fashion using the Java language. Topics include object-oriented programming, searching, sorting and numerical algorithms, data structures, classes, recursion, and files. Students will be prepared to take the AP examination in May. This course should be taken by students interested in programming or who plan on majoring in computer science, computer information systems or engineering. ** This course provides elective credit and cannot be used to fulfill part of the three-year mathematics requirement for graduation.
Application Development	11-12	1/2 unit	1 semester	Teacher Signature Required	AP Computer Science A	Learn how to develop mobile apps using key features and frameworks. Students will learn application design and development using a mobile development platform software development kit (SDK) and corresponding programming language. Main features include: handling UI triggered and touch events, data management, simple and complex UI views, drawing, location and application settings. Students are encouraged to participate in the Technology Student Association (TSA) organization. This is a semester 1 course.
Data Structures & Algorithms	11-12	1/2 unit	1 semester	Teacher Signature Required	AP Computer Science A	Students develop an understanding of data structures and algorithms, which are fundamental to computer science and software engineering. Students will select appropriate data structures and design effective and efficient algorithms to operate on these data structures. This is a semester 2 course.

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Overland Technology Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
Video Production 1 IST	9-12	1/2 unit	1 Semester	No Signature Required	None	This course covers the basics of video production including camera techniques, editing, directing, lighting, and sound. Students will have the opportunity to create video projects including commercials, documentaries, narratives, trailers, and creating a tv pilot. Students are encouraged to compete in the video competitions available through TSA, Skills USA, or FBLA.
Video Production 2 IST	9-12	1/2 unit	1 Semester	Teacher Signature Required	Video Production 1	This class builds on the skills learned in Video Production I to produce studio productions such as news stories, news casts, TV shorts, and documentaries. Students use the state-of-the-art equipment housed in the OTV studio. They also learn more advanced editing techniques in Final Cut Pro. Major projects in this class include a music video, a studio project (newscast or weathercast), in-person interviews, and/or public service announcements. It is designed to prepare students for the rigorous, but fun Broadcast Journalism class. Students are encouraged to compete in the video competitions available through TSA, Skills USA, or FBLA.
Broadcast Journalism (OTV) IST	9-12	1 unit	1 year	Application and Teacher Signature Required	Video Production 1 or previous video experience required (participation in Prairie News Network is one example of previous experience).	This course demands a high level of creative ability and rigorous analytical skills. The focus of the course is two-fold: 1) the intensive study of television and film production techniques and 2) the hands-on production of a weekly television news show OTV that broadcasts to the school. As part of Broadcast Journalism, students will create short-films/field reports for the broadcasts. Students enrolled in this course are expected to complete work requiring a high degree of independence and responsibility and will be required to film and edit after school at times. Students are encouraged to compete in the video competitions available through TSA, Skills USA, or FBLA.
Advanced Video Production 	10-12	1 unit	1 year	Teacher Signature Required	Video Production 2 or Broadcast Journalism (OTV)	This year-long class gives students the opportunity to practice advanced filming and editing techniques through visual storytelling. Students work in groups and/or pairs structuring and shooting exercises and original projects to be edited. Students will learn to write in depth screenplays and will use advanced storyboarding techniques to create short films. Students will gain a deeper understanding of green screen effects and will learn about set design and the process of making films in industry.
Web Page Design 1 IST	9-12	1/2 unit	1 semester	No Signature Required	None	Students are introduced to HTML code and use it to build basic web page and/or sites. Students are also introduced to HTML editors and coding, elements of design, CSS style sheets, and graphics editors using the latest software. Elements built using these tools are incorporated to create powerful web pages and/or sites. Students learn ethical responsibilities, searching and information retrieval and the importance of verifying the validity of information posted on the web. Students are encouraged to join Future Business Leaders of America (FBLA) as leadership activities provide opportunities to make connections between the school, community and the business world. Emphasis is placed on service to others, social and competitive events.
Web Page Design 2 (CE) 	9-12	1/2 unit	1 semester	No Signature Required	Web Page Design 1	Students continue their study of the web and the current developments in that area of technology. Students expand their knowledge of Web design using state-of-the-art hardware and software to incorporate video, sounds, CGI, applets, and other web developments in their sites. Students learn to use cascading style sheets (CSS) to provide different looks for a website quickly and effectively. Students learn to use CSS for page layout as required by the World Wide Web Consortium (W3C) standards. Students are encouraged to join Future Business Leaders of America (FBLA) as leadership activities provide opportunities to make connections between the school, community and the business world. Emphasis is placed on service to others, social and competitive events. This course is a Concurrent Enrollment course through the Community College of Aurora. Students enrolled in this course will complete college-level work while attending high school. Students who earn a "C" or better in the class will receive college credit.
Exploring Health Science IST	9-11	1/2 unit	1 semester	No Signature Required	None	This introductory Health Science course provides an overview of the challenging environment of the health care industry. This course introduces students to the roles and responsibilities of professionals within the industry and outlines career expectations for doctors, nurses, first responders (paramedics, emergency medical technicians), veterinarian technicians, surgical technicians, and more. In addition, students are provided a hands-on application of the skills/ knowledge necessary to excel within the health care field.
Principles of Health Science 	10-12	1 unit	1 year	No Signature Required	Exploring Health Science OR Instructor Approval	Fee \$25 Principles of Health Science is a foundational course for all health science programs of study. This course encourages awareness of career possibilities in healthcare and informs students of educational opportunities available in health science programs. Instruction also includes beginning anatomy and physiology, medical terminology, employability skills, communication skills, customer service skills, cultural awareness, disease and disorders with a focus on homeostatic imbalances, and technology skills necessary in the healthcare industry.

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Overland Technology Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
Advanced Health Science	11-12	1 unit	1 year	Teacher Signature Required	Principles of Health Science OR Instructor Approval	Fee \$25 This course aligns with Community College of Aurora's Medical Terminology course (HPR 178) during the first semester and it aligns with CCA's Law and Ethics in Health Professions (HPR 106) during the second semester. The first semester introduces student to the structure of medical terms with emphasis on using and combining the most common prefixes, roots, and suffixes. Includes terms related to major body systems, oncology, psychiatry, as well as clinical laboratory and diagnostic procedures and imaging. The second semester seeks to establish a foundation for ethical behavior and decision making in health professions. <u>Student study and learn how to apply of medico-legal concepts in medical careers.</u>
Introduction to Criminal Justice (CE)	11-12	1 unit	1 year	No Signature Required	None	Fee \$20 This course aligns with Arapahoe Community College - Introduction to Criminal Justice - CRJ 110. This course concentrates on potential careers in the criminal justice system and law enforcement in general. Students will learn about the agencies and processes involved in the criminal justice system: the legislature, the police, the prosecutor, the public defender, the courts, and corrections. The course includes an analysis of the roles and problems of the criminal justice system in a democratic society, with an emphasis upon inter-component relations and checks and balances. Field trip to local criminal justice and law enforcement agency to support student learning experience. This course is a Concurrent Enrollment course through the Community College of Aurora. Students enrolled in this course will complete college-level work during their junior/senior year of high school. Students who have met the prerequisite and earn a "C" or better in the class will receive 3 college credits.
Criminal Justice: Crime Science (CE)	11-12	1 unit	1 year	No Signature Required	None	Fee \$20 This course aligns with Arapahoe Community College - Criminal Investigations-CRJ 209. The course concentrates on the function of the preliminary investigation at a crime scene to include securing the scene, crime scene searchers, police drawings and recognition and collection of evidence. This course will continue to explore how constitutional law assists in the investigative process. Field trip to local criminal justice and law enforcement agency to support student learning experience. This course is a Concurrent Enrollment course through the Community College of Aurora. Students enrolled in this course will complete college-level work during their junior/senior year of high school. Students who have met the prerequisite and earn a "C" or better in the class will receive 3 college credits.
Internship/Senior Project	12	1 unit	1 year	Teacher Signature Required	Completion of Technology Pathway	Senior project is a capstone class which allows students to continue their study of a technology pathway: engineering, computer science, arts and technical communication, biotechnology, etc. Students work with the teacher to design an independent advanced project to continue studies of a topic in which they have developed a strong interest. Students conduct research around their project and document all work through a project journal, and make a formal project presentation. Goal setting, time management, and independent learning are skills developed in this course. This class will be instrumental in helping students make future career and educational decisions. Students enrolled in Senior Project are encouraged to participate in Technology Student Association (TSA).

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Business

According to the *Princeton Review*, the number one major for college students is...BUSINESS! Courses in the Business Education Department will give students the opportunity to prepare for any college major and for a successful career. Students may take foundations courses in Computer Applications and Business & Personal Finance. Students may also take courses that will earn college credit in Accounting and Marketing. Additionally, students can challenge themselves with the rigor of AP Economics. Students have the chance to develop leadership skills in the two co-curricular students associations affiliated with these programs-- FBLA (Future Business Leaders of America) and DECA (An Association of Marketing Students). These national organizations enhance what is learned in the classroom by providing students the opportunity to participate in community service activities, competitive events and travel around the country to leadership conferences.

9th Grade	10th Grade	11th Grade	12th Grade
Business & Personal Finance			
Computer Applications (CE)			
Intro. to Business (CE)			
	Accounting 1		
		Accounting 2 (CE)	
	Marketing 1		
		Marketing 2 (CE)	
	Business Law 1 (CE)		
		AP Macro/Microeconomics (W)	

Overland Business Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
Business and Personal Finance	9-12	1/2 unit	1 semester	No Signature Required	None	This course is designed to help students develop their abilities to make wise financial decisions by recognizing, understanding and comparing the alternatives facing them as individuals. Additionally, students learn how businesses manage their finances. Topics include: decision making, earning a living, managing finances and budgeting, saving and investing, buying goods and services, banking, using credit, and protecting against risk. Business and Personal Finance course units integrate and align with Colorado Financial Literacy Standards. Students are encouraged to join FBLA (Future Business Leaders of America). Students enrolled in this course will complete college-level work while attending high school. Students who have met the prerequisite and earn a "C" or better in the class will receive 3 college credits.
Computer Applications (CE)	9-12	1/2 unit	1 semester	No Signature Required	Accuplacer	With increased use of computers in our daily lives, it is crucial that students develop the ability to efficiently use a computer. This course provides an introduction to computer applications including, Word, Excel, Access and PowerPoint. The knowledge of these applications is vital for the student in high school, college, and in his or her career. Much of the curriculum is individualized; students must have good problem solving, organizational, and motivational skills. Students are encouraged to join FBLA (Future Business Leaders of America). This course is a Concurrent Enrollment course through the Community College of Aurora. Students enrolled in this course will complete college-level work while attending high school. Students who have met the prerequisite and earn a "C" or better in the class will receive 3 college credits.
Intro. to Business (CE)	9-10	1/2 unit	1 semester	No Signature Required	Accuplacer score of SS70	Focuses on the operation of the American business system. Covers fundamentals of the economy, careers and opportunities, marketing, management, production, governmental regulations, tools of business and social responsibilities. This course is a Concurrent Enrollment course through the Community College of Aurora. Students enrolled in this course will complete college-level work while attending high school. Students who have met the prerequisite and earn a "C" or better in the class will receive 3 college credits.
Accounting 1	10-12	1 unit	1 year	Signature Required for 10th grade students only No Signature Required for 11th & 12th	None	Accounting 1 is an introductory course designed to acquaint students with the accounting cycle and an understanding of the role accounting plays in the ongoing operation of a business. During this year-long class, students learn the fundamentals of accounting using a sole proprietorship and corporation as a basis for study. Students develop an understanding of business activities by recording and summarizing basic accounting transactions, preparing financial statements, payroll records, income tax forms, and interpreting financial statements as part of the management decision-making process. A combination of manual and PC-based automated accounting systems will be used. This course is the first in a two-year program. Students who elect to complete the two-year program receive community college credit. Students are encouraged to join FBLA (Future Business Leaders of America).
Accounting 2 (CE)	11-12	1 unit	1 year	Teacher Signature Required	Accounting 1 & Instructor's Approval	In this course, students learn the fundamentals of accounting using sole proprietorships, partnerships, and corporations organized as service providers, merchandising, and manufacturing concerns. Students develop an understanding of business activities by recording and summarizing business transactions, preparing financial statements, payroll records, and financial analysis of business data. A combination of manual and PC-based automated accounting systems will be used. Students are encouraged to join FBLA (Future Business Leaders of America). This course is a Concurrent Enrollment course through the Community College of Aurora. Students enrolled in this course will complete college-level work while attending high school. Students who have met the prerequisite and earn a "C" or better in the class will receive 4 college credits.
Marketing 1	10-12	1 unit	1 year	No Signature Required	None	Fees - \$40 Fee includes State/National Dues, Fee for Districts & DECA t-shirt. Marketing 1 is a full-year course designed for the student who wants to explore marketing, sales and the business world. Units of study include advertising, sales, promotion, product planning, pricing, economics, distribution, computer simulations and professional human relation skills. Only students enrolled in Marketing classes may participate in DECA, a co-curricular chapter. DECA (An Association of Marketing Students) allows members' opportunities to develop leadership skills, participate in community service projects, and enjoy social activities. Students are eligible to travel and compete in marketing competitions, both locally and nationally. A chapter membership fee is involved.

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Overland Business Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
Marketing 2 (CE)	11-12	1 unit	1 year	Teacher Signature Required	Marketing 1 & Instructor's Approval	Fees - \$40 Fee includes State/National Dues, Fee for Districts & DECA t-shirt. Marketing 2 is a full-year course expanding on Marketing I curriculum for the serious student contemplating a business career. Content topics include an analysis of the theoretical marketing processes and the strategies of product development, pricing, promotion, distribution, people, processes, packaging and physical environment. This course sequence is designed to allow students to develop a working knowledge of marketing terms, marketing strategies, marketing research and buying behavior. The marketing mix will be analyzed and applied to exciting real world projects. Some other units of study are selling, merchandising, management and computer simulations. In addition, Marketing 2/DECA students will develop leadership skills through planning and implementing community service and social activities. Students will also be eligible to travel and compete in marketing competitions, both locally and nationally. Membership and involvement in DECA (An Association of Marketing Students) is an integral part of the marketing program and fees are involved. This course is a Concurrent Enrollment course through the Community College of Aurora. Students enrolled in this course will complete college-level work while attending high school. Students who have met the prerequisite and earn a "C" or better in the class will receive 3 college credits.
Business Law 1 (CE)	10-12	1/2 unit	1 semester	No Signature Required	Intro. to Business is required in order to get CE credit for Business Law 1.	Business Law addresses legal topics concerning business and the individual. Topics of discussion include contracts (e.g. renting an apartment, buying a car, obtaining a credit card, laws affecting minors, fraud), negligence (e.g. slipping/falling, car accidents), intentional torts (e.g. trespassing, defamation, assault, battery, invasion of privacy), civil procedure (e.g. trial process), crimes, constitutional law and the court systems, intellectual property law, employment law, credit, and ethics/social responsibility. The course also includes guest speakers and law-related movies and/or videos illustrating the legal topics discussed in the classroom. Students are encouraged to join FBLA (Future Business Leaders of America). This course is a Concurrent Enrollment course through the Community College of Aurora. Students enrolled in this course will complete college-level work while attending high school. Students who have met the prerequisite and earn a "C" or better in the class will receive 3 college credits.
AP Macro/Microeconomics (W)	11-12	1 unit	1 year	No Signature Required	None	This is a college-level course designed to cover the micro-economic concepts of supply and demand, the workings of a firm, factors of production, efficiency, and the role of the government in our economy. The course also applies these concepts in actual current events and issues by analyzing these events and issues using the economic principles learned in the class (e.g. pollution, taxes, health care, and international trade). Students will be expected to come out of the course with an understanding of the key theories and working principles that shape the American economic system today. Students take 2 AP exams upon completion of this course for AP Microeconomics and AP Macroeconomics. When registering for this course you will need to select AP Macroeconomics for 1/2 semester and AP Microeconomics for 1/2 semester to equal the full year class.

Family and Consumer Sciences

Courses in the Family & Consumer Sciences Department explore a wide range of topics for students of all ability levels and interests, preparing them for the workforce and college majors with focus in the areas of Culinary Arts and Family. Students have the opportunity to develop culinary skills in the kitchen from a practical and science lab perspective. Students develop their sense of self through courses like Relationships & Child Development. Students interested in careers in education are encouraged to apply for the Teacher Cadet program. Completion of Foods & Nutrition and Relationships satisfy the school district Health requirement for graduation. Students have the chance to develop leadership skills in the co-curricular student association affiliated with this department—FCCLA (Family, Community and Career Leaders of America). This national organization will enhance learning in the classroom by allowing students the opportunity to participate in community service activities, competitive events and travel to leadership conferences.

9th Grade	10th Grade	11th Grade	12th Grade
Foods & Nutrition			
	Gourmet Foods		
	Baking and Pastry		
Parenting/Child Development			
Contemporary Relationships			
		Teacher Cadet	
Fashion Design 1			
Fashion Design 2			
		AP 3D Studio Art	
Interior Design 1			
Interior Design 2			

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Overland Family and Consumer Sciences (FACS) Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
Foods & Nutrition	9-12	1/2 unit	1 semester	No Signature Required	None	Fee - \$25. The purpose of the culinary nutrition course is to develop lifelong, healthy individuals with an understanding of healthy and nutritious cooking techniques. Emphasis is placed on implementing healthy nutritional choices, preparing nutrient dense foods, exploring careers related to culinary nutrition, and practicing wise consumer decisions. Students are encouraged to participate in FCCLA projects, which include leadership opportunities, community service, and/or competitions related to the class. *By completing Contemporary Relationships and Foods & Nutrition, a student will fulfill the district health requirements.
Gourmet Foods	10-12	1/2 unit	1 semester	No Signature Required	Foods & Nutrition Required	Fee - \$25. Gourmet Foods is for the student who enjoys cooking and wants to explore advanced culinary techniques. Hone your knife skills, and become an expert at moist and dry heat cooking methods for a variety of foods. Explore specialty techniques and ingredients used to make salads, sandwiches, appetizers and more. Practice garnishing techniques, and learn how to plate foods. Plan, prepare, cost and cook while practicing these techniques in a safe environment. This course makes a great stepping stone for students continuing in the Culinary Arts. Students are encouraged to participate in FCCLA projects, which include leadership opportunities, community service, and/or competitions related to the class.
Baking and Pastry	10-12	1/2 unit	1 semester	No Signature Required	Foods & Nutrition Required	Fee - \$25. Students will gain hands-on experience creating a variety of baked goods and desserts. Classes also cover the basics of the scientific and chemical processes involved when combining ingredients and preparing desserts or other baked goods.
Contemporary Relationships	9-12	1/2 unit	1 semester	No Signature Required	None	The course emphasizes building healthy relationships, managing personal stress and making wise choices. Students learn about commitment and marriage. Topics also include adolescent relationships with parents and friends; dating; communication skills; conflict resolution abstinence and human sexuality; gender differences, impact of substances on relationships; violence and abuse and family/social issues. Students take psychological and personality tests to assess their; values, beliefs and perceptions about their relationships with others. Students are encouraged to participate in FCCLA projects, which include leadership opportunities, community service, and/or competitions related to the class. *By completing Contemporary Relationships and Foods & Nutrition, a student will fulfill the district health requirements.
Parenting/Child Development	9-12	1/2 unit	1 semester	No Signature Required	None	This course is designed for both males and females interested in child development and/or careers related to pediatrics, psychology, social services, education, and parenting. Students learn about the physical, emotional, social and cognitive development of children from conception through adolescence. Special units of study include reproduction, prenatal development, birth and infant care, toddler, preschool, school age care and various family structures. Other units include expectations and financial responsibilities of parenthood. This class will give students an opportunity to experience a parenting simulation with an electronic simulator baby. Students have the opportunity to develop and experience interactive learning activities such as preparing a nutritious snack for children, reading children's books, and/or creating children's art. Students are encouraged to participate in FCCLA projects, which include leadership opportunities, community service, and/or competitions related to the class.
Teacher Cadet	11-12	1 unit	1 year	Teacher Approval	Application Process	The Teacher Cadet program is an innovative program that introduces high school students to the teaching profession. Students explore the learner, the school and the role of the teacher through exciting hands-on activities, guest speakers, field trips, 15 hours of classroom and other school observations, job shadowing and cooperative learning situations. During second semester, students participate in an extended field experience in which they work closely with a cooperative teacher for 8-10 weeks. The Cadet will be immersed in the classroom experience by helping students one-on-one or in large groups, planning lessons, grading, creating and teaching. This experience helps Cadets earn hours for education programs at the college level. Each Cadet works on a portfolio throughout the entire year.
Fashion Design 1	9-12	1/2 unit	1 semester	No Signature Required	None	Fee- \$25. This course is designed for creative students who are interested in exploring the world of fashion. Students will learn current fashion trends and the principles of design. They will have the opportunity to create a portfolio of their designs including their own line of clothing. Students will learn how to construct and assemble a beginning project.

Overland Family and Consumer Sciences (FACS) Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
Fashion Design 2	9-12	1/2 unit	1 semester	No Signature Required	Fashion Design 1 Required	Fee - \$25. Level 2 will expand on foundational skills learned in Interior Design 1. Floor Plan sketching, elevation drawings, as well as Computer generated designs. Students will apply skills learned to focus on Commercial interior design, as opposed to residential in level one. Students will complete the National FCCLA Interior Design Project, as well as, work with a real life design and implementation of student created design proposals. This course is a Concurrent Enrollment course through the Arapahoe Community College with completion of Interior Design 1 and 2 through program approval.
AP 3D Studio Art	11-12	1 unit	1 year	No Signature Required	Fashion Design 1 & 2 Required	Fee - \$25. Students will follow the college-board requirements for 3D Studio Art with an emphasis/concentration in fashion design. Students will take the knowledge learned from Fashion Design 1 and 2 to develop a portfolio of work.
Interior Design 1	9-12	1/2 unit	1 semester	No Signature Required	None	Fee - \$25. Designed for the student exploring Interior Design. Students will follow the process used by designers to develop a residential project. The class will observe an interview with a real client during the semester as the basis of their project. Students will learn drawing techniques, basic sketching, and work with color, texture, pattern, and other design elements and principles. Emphasis will be on incorporating the clients' requests. Interior designers are actively involved in the class. Students are encouraged to participate in FCCLA competitions related to the class.
Interior Design 2	9-12	1/2 unit	1 semester	No Signature Required	None	Fee - \$25. In this course, students will build on basic skills learned in Fashion Design 1. Students will explore more advanced sewing techniques. Learn to create a basic block pattern through flat pattern drafting and draping to create original designs. Students will explore various design industry participating in career panels with various fashion industry employees. As well as participate in a Visual Merchandising project. This course is a Concurrent Enrollment course through Arapahoe Community College.

Physical Education and Health

Physical Education classes on the Overland-Prairie Campus offer a wide selection of courses for students of all ability levels and interests. Course offerings allow students to explore a variety of activities and topics of interest while fulfilling the high school requirement of 1.5 credits of Physical Education. These activities include our Personal Fitness classes such as, Swimming, Dance, Gymnastics, Body Works and Weight Training 1 & 2. We also offer our popular Recreational and Lifetime Sport Activities which include Team Sports and Individual Sports classes. All Overland students are required to take .5 credits of Health which is a course offered in our Physical Education department.

Psychology & Sociology of Sports is a traditional classroom class that is in our Academic Fitness classification. For our student athletes at Overland, we offer Athletic Fitness which is a class for the serious athlete wanting to increase their overall athletic strength and fitness levels. We look forward to your participation in the Overland Physical Education Department.

6th Grade		8th Grade	9th Grade	10th Grade	11th Grade	12th Grade		
Physical Education/Wellness 6	Physical Education/Wellness 7	Physical Education/Wellness 8	Individual Sports					
Health 6	Health 7	Health 8	Team Sports					
			Gymnastics (Dance)					
			Swimming					
			Weight Training 1					
			Prairie Access PE Electives:		Body Works			
			Basketball	Ropes Challenge Course		Athletic Weight Training (Boys & Girls)		
			Fitness Through Academics			Health		
			Survival			Weight Training 2		
					Unified/Adaptive PE Mentorship			
					Psychology & Sociology of Sports			

Prairie Physical Education Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
Physical Education/Wellness	6-8	N/A	1 semester	No Signature Required	None	Students are exposed to a rotation of team and individual sports that may include: flag football, floor hockey, basketball, pickle-ball, badminton, volleyball, lacrosse, field hockey, softball, soccer, ringette and fitness. This course focuses on the Colorado State Standards for Physical Education. This focus is on physical and personal wellness, movement and skill development, prevention and risk management along with the knowledge needed for games and activities. Daily activities improve flexibility, muscular strength, muscular endurance, cardiovascular endurance and body composition, which develop students for optimal growth and development. The fee includes the uniform shirt (\$7.00), shorts (\$13.00) and PF lock (\$5.00).
Health	6-8	N/A	1 semester	No Signature Required	None	Students are exposed to many health related topics that may include: self-esteem, goal setting, stress management, communication, refusal skills, conflict resolution, human growth and development, and substance abuse. Resiliency, accessing and utilizing resources, decision-making, problem-solving, refusal skills and emotional and social wellness are all key skills within the health curriculum.

Overland Physical Education Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
Individual Sports	9-12	1/2 unit	1 semester	No Signature Required	None	This course offers students an introduction or review, through participation, of recreational lifetime sports. The course covers sports and activities such as tennis, lawn games, table tennis, bowling (fee involved), and pickle ball. During each unit students are introduced to the skills, strategies, and rules of play. Students may also receive limited exposure to a variety of other recreational game and activities designed to promote participation and enhance the overall importance of game play towards lifetime physical health. This course also has a fitness component that is used to prepare students to engage more safely into activity and game play. This course meets the district physical education skill proficiency requirement for graduation.
Team Sports	9-12	1/2 unit	1 semester	No Signature Required	None	This course offers students a variety of competitive and recreational activities involving team play. Sports covered are: flag football, soccer, softball, basketball, volleyball, kickball, team handball, ultimate frisbee, and floor hockey. Each unit will include instruction focused on developing basic skills and knowledge regarding the sport. Although primary emphasis is on team sports, students may also receive some exposure to a limited number of other recreational games and activities designed to promote participation and enhance the overall importance of game play towards physical health. This course also has a fitness component that is used to prepare students to engage more safely into activity and game play. This course meets the district physical education skill proficiency requirement for graduation.
Gymnastics (Dance)	9-12	1/2 unit	1 semester	No Signature Required	None	This is an introductory course with the first nine weeks focusing on the basic techniques and safety of gymnastics on every apparatus. Facility limitations relegate apparatus instruction to the Balance Beam, Uneven Parallel Bars, and very basic work on Floor Exercise (tumbling, dance, etc.). Through guided instruction, each student will develop at his or her own individual pace and skill level. The second nine weeks will be devoted to an introduction and development of a variety of basic dance techniques. This course also has a fitness component that is used to prepare students to engage more safely into activity and game play. This course meets the district physical education skill proficiency requirement for graduation.
Swimming	9-12	1/2 unit	1 semester	No Signature Required	Must be able to swim	This is an individualized class that allows swimmers an opportunity to improve water skills and personal fitness. Students will learn how to apply their skills toward setting and achieving individual fitness goals through supervised lap swim. Students must be able to swim a length of the pool. This class meets the district physical education proficiency for fitness of skill for graduation. (Students need to feel comfortable in deep water).
Weight Training 1	9-12	1/2 unit	1 semester	No Signature Required	None	This class serves as an introduction to the basic principles of weight lifting. The focus is to increase strength by lifting weights up to three times per week through many different forms of weight and strength training. The five components of fitness are taught with an emphasis on muscular strength, cardiovascular endurance and flexibility.

Overland Physical Education Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
Body Works	9-12	1/2 unit	1 semester	No Signature Required	None	This course provides experiences in a variety of exercise methods and weight training routines. Emphasis on developing muscle tone and strength as well as other fitness components including flexibility and cardiovascular training. Yoga, Pilates, and CrossFit Training will be incorporated in this class. Nutritional information regarding healthy eating habits will also be taught in conjunction with proper exercise to enhance fitness and reduce body fat. This class meets the district physical education fitness proficiency requirement for graduation.
Athletic Weight Training (Boys & Girls)	10-12	1/2 unit	1 semester	Coach's Signature Required	Approval of Teacher/Head Coach	This course is designed for the OHS student athlete and will develop his five components of fitness (flexibility, muscular strength, muscular endurance, agility, and cardiovascular endurance) through specific sport training. The cognitive aspects of training, including: body composition, nutrition, psychology, anatomy, physiology and injury prevention, will enhance the overall wellness of the individual. The outcome of this class is peak performance at a highly competitive level, as well as, promoting fitness for life. This class meets the district physical education fitness proficiency requirement for graduation.
Health	10-12	1/2 unit	1 semester	No Signature Required	None	This class focuses on issues and concepts of personal health as they apply to mental, emotional, physical, and social well being. The purpose of Health is to assist students in acquiring knowledge on various health-related issues so they make informed decisions and understand the control the individual has over his or her health. Topics include stress and conflict management, nutrition, addiction, eating disorders, disease, relationships, environmental and hereditary influences on health, and more. This course meets the district health education proficiency requirement for graduation.
Weight Training 2	10-12	1/2 unit	1 semester	No Signature Required	Weight Training 1 with a grade of "B" or higher	This class offers students who have completed Weight Training 1 an opportunity to expand their weight training experiences. Emphasis is on applying exercise principles to design personalized strength, endurance and toning programs. This class meets the district physical education fitness proficiency requirement for graduation.
Psychology & Sociology of Sports	11-12	1/2 unit	1 semester	No Signature Required	None	This course examines the dominating influence that sport has on our society. During the semester students explore the relationship of sport to religion, education, values, economics, politics, media, and entertainment. Topics covering specific issues and controversies in sport include racism, drugs, ethics, competition, women, children, violence and future trends. In addition, the class explores individual behavior in sport. Discussions will include the personality characteristics of the athlete, coach, and even the sports fan. Students examine individual motivation, aggression, anxiety, and different mental states in relation to athletic performance.
Unified/Adaptive PE Mentorship	11-12	1/2 unit	1 semester	Teacher signature or approval required	Coach, Teacher or Counselor recommendation	This course provides students the opportunity to earn Physical Education credit by assisting and mentoring special needs students in our Adaptive/Unified PE class. Students will not be required to dress out for class, but will be responsible for actively mentoring and assisting SAS students in a variety of activities. This class is for the student who has a desire to help other students and must be willing to be actively involved with game play and a variety of other sport activities.
Personal Fitness 1 (Online)	9-12	1/2 unit	1 semester	Counselor Signature Required	None	Students in Personal Fitness 1 learn about the components of fitness and wellness in order to establish a personal fitness plan that will be implemented throughout the semester. Although this is an online class, the course standards do require students to participate in weekly cardiovascular, flexibility, strength and endurance exercise. Students are issued heart rate monitors to measure progress and must exercise 150 minutes per week in their target heart rate zone (143-173 beats per minute) in addition to written work and other exercise. Students are required to attend four fitness-testing sessions throughout the semester (dates will be announced before the semester begins).
Personal Fitness 2 (Online)	9-12	1/2 unit	1 semester	Counselor Signature Required	Personal Fitness I	Students in Personal Fitness 2 continue to work their fitness goals and plans developed in Personal Fitness I. Students will be required to participate in weekly cardiovascular, flexibility, strength and endurance exercise. Students are issued a heart rate monitor to measure their progress and must exercise 180 minutes per week in their target heart rate zone (143-173 beats per minute) in addition to written work and other exercise. Students are required to attend four fitness-testing sessions throughout the semester (dates will be announced before the semester begins).
Health (Online)	10-12	1/2 unit (fulfills District Health Requirement)	1 semester	Counselor Signature Required	None	Health focuses on issues and components of personal health as they apply to the mental, physical, social and emotional well-being. Topics include nutrition, fitness, stress management, mental health behaviors, sexuality, substance abuse, disease disorders and safety. This course meets the district health education proficiency requirement for graduation.

Key: (W) = weighted grade, AP = Advanced Placement, CE = Concurrent Enrollment, IST = STEM

Special Programs and Support Classes

Opportunities for leadership and college preparation are offered through special courses offered to students at Prairie and Overland. These courses allow students to explore positions of leadership, community and school-based projects, and skills required for success at the secondary and collegiate level.

Prairie Special Programs and Support Classes

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
AVID 6, 7 & 8 (Advancement via Individual Determination)	6-8	N/A	1 year	Teacher Signature Required	Interview & Teacher Approval	This three-year course is designed to support students in the middle that seek college preparatory experiences. AVID provides academic instruction and support to students, prepares them for high school and eligibility to four-year colleges and universities, increases their coping skills, and further motivates program participants to seek out areas of interest, appropriate colleges, and resulting careers.

Overland Special Programs and Support Classes

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
Intensive Reading (must be taken with an English class)	9-10	1/2 unit	1 semester	Counselor Signature Required	Demonstrates below-basic proficiency in reading	This Intensive Reading course will provide students who read at least two years below grade level with an intensive exposure to a variety of reading strategies to become proficient readers. These reading techniques may include detecting sequences, making inferences, drawing appropriate conclusions, and developing critical thinking skills. This is a general elective credit.
OTIP (Overland's Targeted Interventions Program)	10-12	1/2 unit	1 semester	Counselor Signature Required	Dean or Teacher Recommendation	OTIP is a one-semester class for sophomores and juniors designed to provide student support in three areas: Academic Tutorials (students provided with time and assistance to complete homework assignments and study for tests), Study Skills (students learn important skills to improve academic success such as organizational tips, note-taking, and test-taking strategies), and Engagement (students work with OTIP teachers to achieve success both in and out of the classroom). Students do not sign up for OTIP during registration.
SOAR	10-12	Elective 1 unit	1 year	Teacher Signature Required	Application, Interview, Parent Approval, 2-Day Beyond Diversity Training	Students will work to develop positive racial identities while analyzing how race has shaped their educational experience by having Courageous Conversations About Race, and internalizing protocol. Students will work to create events for other students to develop positive racial identities. Students will help to design staff professional development around racial consciousness for staff. Students will work to create a platform where student voice is part of systemic changes happening in the school and the district.
AVID 9, 10 & 11 (Advancement via Individual Determination)	9-11	1 unit	1 year	Teacher Approval	Application & Instructor Approval	This four-year course is designed to support students with GPA's ranging from 2.5 to 3.5, who have not had previous success in CP accelerated, or AP classes, but seek the college preparatory experience these challenging courses offer. AVID provides academic instruction and support to students, prepares them for eligibility to four-year colleges and universities, gives students college-level skills, increases their coping skills, and further motivates program participants to seek out areas of interest, appropriate colleges, and resulting careers. Participants in the AVID program will visit a variety of universities in Colorado, and will learn about various careers through guest speakers and job shadowing. This program is for college-bound students, and requires participation throughout high school. If you are interested in becoming a part of the AVID program, please see Mrs. Billings in 230C.
Advisory	9-12	1/2 unit	1 year	No Signature Required	None	Advisory is an opportunity to create space and time within the school environment to allow students and staff to build caring, stable, trusting relationships that support the social-emotional and academic growth of students.

Overland Special Programs and Support Classes

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
Student Assistant	9-12	1/2 unit	1 semester	Teacher Signature Required	Written Instructor Approval	This course is designed for students expressing a desire in assisting a particular teacher or office with clerical and other tasks as needed. This course is to be selected only in addition to the six required classes. This course is considered an "extra" class for students.
OCAP (Overland Computer Academy Program)	9-12	Determined by classroom performance	1 semester	Teacher Signature Required	Counselor or Dean Recommendation	Students enrolled in OCAP have the opportunity to recover credits towards graduation that they have previously failed in the general education setting. This self-paced program uses the extra <i>learning</i> software produced by Remediation and Training Institute (RTI). Credits are available in core classes and do not replace previously earned grades. This is a pass/fail program; however, students must meet minimum performance requirements per semester to remain in the program. The maximum number of credits any student may earn through OCAP is 2.
Student Leadership	10-12	1 unit	1 year	Teacher Signature Required	Teacher Recommendation	This course is designed to develop and enhance the leadership potential in OHS students targeting leaders from different groups (i.e. Athletics, Student Council, Gifted and Talented, Performing Arts, etc.). Students learn the concepts and characteristics of leadership, as well as, analyze their own leadership styles. Additionally, students work in groups on community/school-based projects to enhance the overall atmosphere of our school and the surrounding community. For student council members this would provide a chance for officers and sponsors to work together during the school day on leadership skills and the organization of activities. Finally, the concepts of safety, trust, attitude, assets, respect and sportsmanship will be addressed.
Executive Internship Program (Fall Semester)	11-12	3 units (to include 1/2 English & 1/2 Soc. Studies credits)	1 semester	Teacher Signature Required	Application & Personal Interview	Students who are interested in an in-depth exposure to a career or profession should consider application. Students spend a full semester with an executive in business, government, or the professions. Internships are available to match most career plans. The intern spends a minimum of 28 hours per week in the organization completing work assignments, attending meetings, and developing special projects for the sponsor. In addition, interns participate in weekly seminars to share and generalize their experiences. Interns may be able to participate in a first hour class or an extra-curricular activity at Overland, but the internship is demanding and most commitments should be planned for other semesters. Interns keep daily journals, achieve and maintain high performance, and develop a semester project.
Executive Internship Program (Spring Semester)	11-12	3 units (to include 1/2 English & 1/2 Soc. Studies credits)	1 semester	Teacher Signature Required	Application & Personal Interview	Students who are interested in an in-depth exposure to a career or profession should consider application. Students spend a full semester with an executive in business, government, or the professions. Internships are available to match most career plans. The intern spends a minimum of 28 hours per week in the organization completing work assignments, attending meetings, and developing special projects for the sponsor. In addition, interns participate in weekly seminars to share and generalize their experiences. Interns may be able to participate in a first hour class or an extra-curricular activity at Overland, but the internship is demanding and most commitments should be planned for other semesters. Interns keep daily journals, achieve and maintain high performance, and develop a semester project.
AVID 12	12	1 unit	1 year	Teacher Approval	Enrollment in AVID 11 & Instructor Approval	AVID 12 focuses on the college admission process, applications, and preparing essays, etc. Must be in AVID 11 prior to AVID 12. There is no application process. This course is a Concurrent Enrollment course through the Community College of Aurora.
Peer Ambassadors	10-12	1/2 unit	1 semester	Teacher Approval	None	Peer Ambassadors are available to help 9th grade students in Math and English. Tutors will be current 10th, 11th and 12th graders who have been trained to tutor. This will occur during the second half of the Blazer 101 class period, while other 9th graders are in study hall.
Peer Tutoring	10-12	1/2 unit	1 semester	Teacher Approval	None	Peer Tutoring will be available for 9th grade students that need assistance with their school work. Each 9th grade student will be paired with a junior or senior and they will meet in the ASC South room from 3:00pm-4:00pm.
Blazer 201	9-12	1/2 unit	1 semester	Teacher Approval	None	Designed for students who are new to Overland and the Cherry Creek School District. The class is for students who have a skill deficiency in literacy and mathematics and need to catch up with the ACT College Readiness Standards. Students will receive individualized instruction tailored to their specific academic needs.
Blazer 301	9-12	1/2 unit	1 semester	Teacher Approval	None	This intervention is designed for students who are identified by their math teacher as lacking skills in the Cherry Creek School District, Priority Standards in Algebra 1, Geometry or Algebra 2. Students will receive support during their free hours by a licensed math teacher to master their understanding of the standards and demonstrate their knowledge of the skills.
Blazer 401	9-12	1/2 unit	1 semester	Teacher Approval	None	This provides students with resources and support with specific focus on college preparedness and post-secondary planning including information about college scholarships, FASFA, college applications, entering the workforce and future planning. +G21:G27

Key: (W) = weighted grade, AP = Advanced Placement, CE = Concurrent Enrollment, IST = STEM

Student Achievement Services

Student Achievement Services offers a continuum of services for students who have an Individualized Education Plan (IEP). Course offerings allow students to have support in regular education classes as well as direct instruction in core content areas. Our continuum of services is designed to meet the individual needs of each student with an IEP. Since an IEP is required for placement in these classes, students should consult with their counselor and case manager to enroll in these classes.

Along with providing intensive supported instruction, SAS provides support through teamed taught instruction in core academic areas. These classes include Math 6-8, Algebra 1, Algebra 2, Geometry, Language Arts 6-8, English 9-12, Government, and U.S. History.

6th Grade	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade	Integrated Learning Community
Supplemental Intensive Reading			English 9/Teamed	English 10/Teamed	English 11/Teamed	English 12/ Teamed	ILC Practical English (ILC Reading, Life Skills English) ILC Social Studies 1, 2 ILC Math 1, 2 ILC Consumer Math ILC Science ILC World of Work & Community ILC Domestic Science Pre-vocational ILC General Skills 18-21 Step-Up! Transition Program
			Elements of English 9	Elements of English 10			
Supplemental Math							
ILC - Integrated Learning Community			Algebra 1/Teamed	Geometry/ Teamed	Algebra 2/Teamed (E.D.)		
SED: Affective Education							
In-class Support			Elements of Algebra	Elements of Geometry	Elements of Math		
Supplemental Reading Comprehension							
			World History/ Teamed	Government/Teamed	U.S. History/Teamed		
			Work Experience/Career Exploration				
			Affective Education				

Prairie Student Achievement Services Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
Supplemental Intensive Reading	6-8	N/A	1 year	No Signature Required	Must have current IEP	Designed to use a variety of programs, curriculums and strategies to help students become better readers. Intended for students who struggle with decoding of multi-syllable words and are reading significantly below grade level. Research-based, direct instruction will be employed in the areas of phonemic awareness, morphology, sound-spelling correspondences, grammar, oral and written responses to higher level questions based on Blooms Taxonomy, and paragraph and essay development.
Supplemental Math	6-8	N/A	1 year	No Signature Required	Must have current IEP	The goal of Supplemental Math is to work on developing and strengthening conceptual understanding in math while increasing fluency in basic math facts. The curriculum is designed to address misconceptions, support vocabulary development and build communication skills in math. Students who are in this class are in a regular education grade level math class and also receive supplemental math support in a small group setting. Students work through various modules that are designed to address certain sub areas of math. Supplemental math also supports and incorporates strategies used in the general education curriculum.
Supplemental Reading Comprehension	6 - 8	N/A	1 year	No Signature Required	Must have current IEP	Students in reading comprehension support classes will engage in fictional and non-fictional texts to build on literary knowledge and understanding. Classroom instruction will integrate vocabulary development, and students will improve reading and writing skills by completing assorted creative and expository writings, responding to prompts, and examining a variety of texts with guided practice and modeling of reading strategies.
ILC: Intergrated Learning Community	6-8	N/A	1 year	No Signature Required	Must have current IEP	These courses are designed for students in the ILC (Integrated Learning Center) Program. Students work on foundational skills in Reading, Writing, Math, and other Life Skills.
SED: Affective Education	6-8	N/A	1 year	No Signature Required	Must have current IEP	Students in this class have an IEP with goals in social/emotional areas. Students work on understanding situations and how this impacts their day to day activities.

Overland Student Achievement Services Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
Elements of English 9	9	1 unit	1 Year	No Signature Required	Must have current IEP	This course is recommended for 9 th grade students who are in need of significant review of basic English concepts. Students taking this course will receive instruction in basic reading and writing skills utilizing a modified version of English 9. The topics will include oral presentations, listening skills, reading and interpreting more complex literary and informational texts, writing narrative, informational, and persuasive texts, working to revise grammar, usage, and mechanics to achieve greater clarity in his/her own writing, and analyzing informational materials, including electronic sources, for their relevance and accuracy.
Elements of English 10	10	1 unit	1 Year	No Signature Required	Must have current IEP	This course is recommended for 10 th grade students who are in need of significant review of basic English concepts. Students taking this course will receive instruction in basic reading and writing skills utilizing a modified version of English 10. The topics will include oral presentations, listening skills, reading and interpreting literary, informational, and persuasive manuscripts in order to develop ideas and to understand traditional and contemporary texts, writing narrative, informational, and persuasive texts, working to revise grammar, usage, and mechanics to achieve greater clarity in his/her own writing, and evaluate the validity of multiple sources while collecting information in order to answer a question, propose solutions, or share findings.
Elements of Algebra	9	2 units	1 year	No Signature Required	Must have current IEP	Students taking this course will receive instruction in basic arithmetic skills utilizing a modified version of Algebra 1 for freshmen students. The topics covered include sets, the real number system and its properties, operations with polynomials, linear equations, inequalities, systems of equations, factoring polynomials, graphing, radicals, and quadratic equations. This class utilizes an interactive, hands-on approach for students to master these basic algebra concepts. This course provides the required background necessary for the successful completion of Elements of Geometry and Elements of Math. Problem solving is emphasized and students use current technology including calculators and computers.

Overland Student Achievement Services Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
Elements of Geometry	10	1 unit	1 year	No Signature Required	Must have current IEP	This course is the second year of the sequence of Elements of Algebra, Elements of Geometry, and Elements of Math. Students taking this course will receive instruction in basic arithmetic skills utilizing a modified version of Geometry for sophomore students. The topics include reasoning and proof, perpendicular and parallel lines, triangles, quadrilaterals, similarity, right triangle trigonometry, circles, area, and volume. It offers students many opportunities to explore geometric situations, develop concepts, and use theorems and postulates to solve applications. Students will learn to communicate reasoning through proofs and other forms of writing. The course provides continued use of algebra skills integrated into geometry concepts.
Elements of Math	11-12	2 units	1 year	No Signature Required	Must have current IEP	This course is the 3rd and 4th year of the SAS math sequence for juniors and seniors. Students taking this course will receive instruction in basic arithmetic skills utilizing a modified version of Algebra 2, Discreet Math and Probability and Statistics. Additionally, the course uses math components from Business and Personal Finance. The topics covered are solving systems of equations and inequalities, social choice and graphical theory, interpretation of statistical data, computation of probabilities given events, frequency distributions, and application of random sampling to probability, decision making, earning a living, managing finances and budgeting, saving and investing, buying goods and services, banking, using credit, and protecting against risk. This class is taught with a two-year rotation of curriculum so that students are not receiving the same instruction. This class provides continued use of Algebra and Geometry skills that re necessary for juniors and seniors taking high stakes tests for post high school choices.
Work Experience/Career Exploration	10-12	1/2 unit	1 semester	Signature Required	Must have current IEP	This class is only for seniors. In this class students have opportunities to learn how to advocate for their learning styles that support them in career exploration, and post-secondary education and / or training. Students engage in employment training, budgeting for a lifestyle, and social skills training. This course meets Post-Secondary Outcomes per the students' IEP. Students learn to make informed decisions through reading, writing, thinking, and asking questions in real world applications.
Affective Education	9-12	1 unit	1 year	Signature Required	Must have current IEP	The Affective Education class is for students with severe emotional learning needs. Students in this will receive affective needs instruction and English instruction every day in conjunction with taking other core and elective classes throughout the building.
ILC Practical English (ILC Reading, Life Skills English)	9-12	1 unit	1 year	No Signature Required	Must have current IEP	This course is designed for students in the ILC Program. This class is designed for ILC students to develop functional English skills. Major emphasis is placed on reading for job or community survival, functional writing, vocabulary, grammar and speech.
ILC Social Studies 1 & 2	9-12	1/2 unit	1 semester	No Signature Required	Must have current IEP	This course is designed for students to introduce and review functional community/social skills. Students explore functional words/signs, geography, maps (including bus schedules and routes), laws, job skills, and different racial and ethnic cultures.
ILC Math 1 & 2	9-12	1 unit	1 year	No Signature Required	Must have current IEP	This course is designed to develop functional math skills. Major emphasis is placed on all functional skill areas, such as money/budgeting, time, measurement/cooking and word problem solving. Students also develop basic mathematic skills.
ILC Consumer Math	9-12	1 unit	1 year	No Signature Required	Must have current IEP	This course is designed for students to support and develop functional math skills through systematic and explicit instruction. This class follows the guiding principles of access for all, repetition and practice, systematic and explicit instruction, and will follow a research based and regimented pacing guide, spending adequate time on each lesson to insure student success and understanding. Included in the scope and sequence of this course are patterns, graphing, probability, matching, calendar skills, measurement, money, and time skills.
ILC Science	9-12	1/2 unit	1 semester	No Signature Required	Must have current IEP	This course is designed for students to investigate topics in the fields of health, biology, Earth science, ecology, and chemistry. Throughout the course, science concepts are explained using familiar everyday examples.
ILC World of Work & Pre-Vocational	9-12	1 unit	1 year	No Signature Required	Must have current IEP	This course is designed for students to transfer all learning that has taken place in the classroom into the community in a functional, applied manner. Some of the trained skills may include doing personal grocery shopping, making snack and meal purchases, enjoying recreational activities in the community, community safety, and becoming trained in accessing RTD transportation.
ILC Domestic Science	9-12	1 unit	1 year	No Signature Required	Must have current IEP	This course is designed for students to develop functional life skills. Major emphasis is placed on cooking, hygiene, social skills, communication and functional curriculum.
ILC General Skills	9-12	1 unit	1 year	No Signature Required	Must have current IEP	This course is designed for students to develop functional life skills. Course includes using TEACCH methodology and structured tasks to increase independence and ability to function in the community. Students work on hygiene, social skills, communication, leisure skills, vocational training, sensory-motor skills, and functional curriculum.

Key: (W) = weighted grade, AP = Advanced Placement, CE = Concurrent Enrollment, IST = STEM

Overland Student Achievement Services Program

Course Name	Grade Level	Credit	Course Length	Registration	Prerequisite	Course Description
18-21 Step-Up! Transition Program						This is an optional program for students who have completed their high school credit requirements. Eligible students continue to have needs in preparing for the transition to adult life and may participate in the 18-21 Step-Up! Transition Program. This is a community-based program. Eligible students participate in work experience, recreation and leisure activities, small group instruction, and other activities. Students will be required to bring a daily sack lunch. Nominal fees will be requested for transportation and recreational activities.