Current RAHS Course Catalog: https://rahs.highlineschools.org/academics/course-catalog

Course descriptions not included in the current course catalog:

AP Computer Science Principles: AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of of computation. The course will introduce students to creative aspects of programming, using abstractions and algorithms, working with large data sets, understanding of the Internet and issues of cybersecurity, and impacts of computing that affect different populations. AP Computer Science Principles will give students the opportunity to use current technologies to solve problems and create meaningful computational artifacts. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science.

AP Environmental Science: Are you interested in human-made and natural environmental problems? Do you like to learn more about the natural world? AP environmental science is designed to be the equivalent of an introductory college course in environmental science. Topics, including earth systems and resources, the living world, population, land and water use, energy resources and consumption, pollution and global change are explored through a variety of unifying themes. Students will participate in hands-on, laboratory and field investigations to develop skills and abilities needed to work with complex systems and to design models of these systems. Students will also think critically about environmental issues and potential solutions.

AP Physics C: AP Physics C is a calculus-based, college-level physics course, especially appropriate for students planning to specialize or major in one of the physical sciences or engineering. Students cultivate their understanding of physics through classroom study and activities as well as hands-on laboratory work as they explore concepts like change, force interactions, fields, and conservation.

Aviation Law: This challenging course will introduce the student to the wide-ranging rules and regulations governing our modern aviation world. Beginning with a history of their origin, students will see how national and international regulations were developed for a mode of transportation that frequently challenges national security. Other topics introduced include pilot licensing, aeromedical aspects of aviation, aircraft accident investigation, and the new and rapidly changing world of unmanned vehicles.

Aviation Theater: Students will learn the fundamentals of theatre, voice, movement and production design. Students will learn to read scripts for meaning, understanding, and evaluation. Students will rehearse to create several structured theatre events while working in cooperation with other members of the class to create an ensemble effort on stage. Assessments will include written tests and performances. Texts will include classic, contemporary, and aviation and aerospace-themed monologues, skits and plays.

Computer Programming/Intro to Computer Science: Students will learn how to design, document and implement computer programs following an engineering approach. Students will develop a problem statement; identify the assumptions that define the scope of the

problem; create algorithms and flowcharts to document their solution; create test cases using expected outputs; and implement their solutions using several different programming languages.

Current Event Debate: Do you want to learn more about current events? Maybe how you can be more convincing? This course provides students the opportunity to learn more about the world around them by research, discussing, debating current controversial issues. Participants will practice Common Core argumentative writing and reading skill while research, discussing, and debating. This course counts as a CWP graduation credit, or take it as an elective.

Leadership: The main objective of this class is to encourage students to become strong leaders both in and out of school, giving them the tools both literally and figuratively to do so, and to provide students with opportunities to demonstrate how they have grown as a leader. There is a strong focus on servant leadership, which challenges students and strengthen their character. The members of this class also support ASB activities helping plan, organize, and implement activities for their peers and their school serving a specific community and clientele while revenues and costs for long-term sustainability.

UWHS ENG 111: English 111 at Raisbeck Aviation High School is guided by the University of Washington's 111 English Composition Course and uses the same materials, books, and requirements used on campus at UW for 100 level English courses. Students who take this course are working to earn 5 quarter UW credits and establish an official transferable UW transcript. Students may register as UW students during the first weeks of class. To receive credit, a student must enroll and pass the course with a minimum 2.0 grade. Enrolled students will receive a HS grade and UW grade. Students who are not enrolled in ENGL 111 will complete the coursework for Creative Writing and receive only a HS grade for their work. Please review this syllabus thoroughly. Students taking these classes may earn college credit for English 111 and 131 as offered through the University of Washington College in the High School program. College credit requires UW registration and tuition fees, but these fees are significantly discounted, and tuition assistance and scholarships are available through the PTSA. See http://www.uwhs.washington.edu/ for program details.

UWHS ENG 131: English 131 at Raisbeck Aviation High School is guided by the University of Washington's 131 English Composition Course and uses the same materials, books, and requirements used on campus at UW for 100 level English courses. Students who take this course are working to earn 5 quarter UW credits and establish an official transferable UW transcript. Students may register as UW students during the first weeks of class. To receive credit, a student must enroll and pass the course with a minimum 2.0 grade. Enrolled students will receive a HS grade and UW grade. Students who are not enrolled in ENGL 131 will complete the coursework for Creative Writing and receive only a HS grade for their work. Students taking these classes may earn college credit for English 111 and 131 as offered through the University of Washington College in the High School program. College credit requires UW registration and tuition fees, but these fees are significantly discounted, and tuition assistance and scholarships are available through the PTSA. See http://www.uwhs.washington.edu/ for program details.