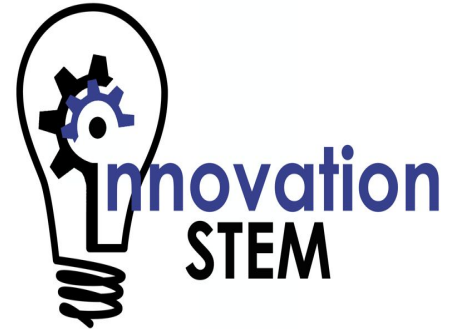


Innovation STEM **A California Partnership Academy**



Core Classes:

- English
- Integrated Science/Biotechnology
- World History/Global Studies

A California Partnership Academy

California Partnership Academies (CPAs) receive funding from the California Department of Education each year for 10th-12th grade students. The funds are designed to support student engagement through enrichment and motivational activities, provide extra academic support when needed, and offer valuable work-based learning opportunities. Like all cores at WHS, the CPA model gives students a sense of community while at school and teaches valuable skills that will help them in any work or educational environment.

Core Description:

The Innovation STEM Academy is an integrated 9/10 program in which students interested in the fields of science, technology, engineering, and math are given the opportunity to focus their academic efforts and develop key skills in math, science, problem solving, creativity, and design.

Student Profile:

Windsor High School's Innovation STEM Core applies the STEM fields (Science, Technology, Engineering, and Math) to investigate and question the interrelated facets of the modern world and the intersections of technology and culture. This high achievement environment is designed to inspire a student's ability to imagine a world shaped by his or her own innovation and design.

Curriculum:

One year of Integrated Science offers a modified curriculum that integrates engineering problem solving, the design process, and a greater emphasis on physics to build math and science skills. A second year focuses on biotechnology and cancer biology with an emphasis on modern technology and bioethics.

English and History courses offer thematic approaches to the standard curriculum that use STEM as a lens to investigate and question the interrelated facets of the modern world and the intersections of science, technology, and culture.

Through an interdisciplinary approach, Innovation STEM offers students an opportunity to explore "out of the box" thinking and encourages students to identify creative ways to solve real world problems.

College and Vocational Preparation:

Innovation STEM uses project based learning, student exhibitions, guest speakers, field trips, and community partnerships to provide opportunities for practical, real-world experience and leadership. The Innovation STEM 9/10 Core is a college prep program which scaffolds students' academic preparation to enter the Axis STEM 11/12 Honors and Academic Program.

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