

Peninsula High School Project SMERT



Science-Math-Engineering-Robotics-Technology

This is where academic classes meet the real world. Our project is designed to inspire students to pursue careers in engineering, science, technology, and design. The program provides students with real-world learning and hands-on experiences. Students are exposed to a variety of engineering fields, scientific principles, mathematic concepts and communication skills. In addition, students will learn how to interact with one another through individual and team projects using state of the art computer labs and software. Students will learn how to demonstrate algebra, geometry, chemistry, physics, language arts and engineering design through classroom interaction, laboratory experiments, and competitions at the state and national levels.

SMERT	COURSES & PROGRAMS	BOOSTING
S CIENCE	Science Olympiad Science Research “All Categories” Science Bowl Ocean Science Bowl Chemistry Olympiad	Teamwork Design Process Problem-Solving
M ATH	8 Pathways for Success Math Club Competitions	Decision-Making
E NGINEERING	* Introduction to Engineering Design (IED) * Principles of Engineering (POE) * Aerospace Engineering (AE) * Digital Electronic (DE) * Civil Engineering & Architecture (CEA) * Engineering Design & Development (EDD) Solar Boat “Building & Racing” Team JETS Team (Junior Engineering Technical Society)	Subject Integration Project Management Hands-on Experiences Research
R OBOTICS	* Basic Robotics * Advanced Robotics First Robotics Competition Team Robotics Academy	Self-Directed Learning Marketing & Production Environmental Awareness
T ECHNOLOGY	Web Design & Production Computer Science AP “Java” Advanced Computer Science “Java” Cyber Patriot Competition (Windows/Linux) Digital Animation Video Production Digital Photography (Adobe CS4, Final Cut, I-Movie, Flash, HTML, Java, Basic)	Leadership & Public Speaking Learning Outside the Classroom UC A-G Credit

* [PLTW](#) (Project Lead The Way) Engineering Classes receive high school and college credit.
 No Pre-requisites required. Students and parents are welcome to visit the classroom.

Please contact Hassan Twiet at (310) 377-4888 X 650

-Partnership with PVP Education Foundation, Honda Foundation, El Camino College, Raytheon and Boeing-