



Project Lead the Way

Forging New Generations of Engineers

Project Lead The Way (PLTW) is a not-for-profit organization that offers pre-engineering and science curricula for middle and high schools and community colleges. PLTW forms partnerships with public schools, higher education institutions, and the private sector to increase the quantity and quality of engineers and engineering technologists graduating from our educational system. The PLTW curriculum was first introduced in 12 New York State high schools in the 1997-98 school year. Today, the programs are offered in over 3,000 schools in 50 states.

PLTW has developed five modules for middle schools and a four-year sequence of high school courses which, when combined with college preparatory mathematics and science courses in high school, introduces students to the scope, rigor and discipline of engineering and engineering technology prior to entering college. Students participating in PLTW courses are better prepared for college engineering programs and more likely to be successful, thus reducing the attrition rate in these college programs, which currently exceeds 50 percent nationally.

PLTW Middle School Modules – Gateway to Technology

Design and Modeling
The Magic of Electrons
The Science of Technology
Automation and Robotics
Flight and Space

PLTW High School Courses – Pathway to Engineering

Foundation Courses: Introduction to Engineering Design, Principles of Engineering, and Digital Electronics
Specialization Courses: Computer Integrated Manufacturing, Civil Engineering and Architecture, Biotechnical Engineering, and Aerospace Engineering
Capstone Course: Engineering Design and Development

Plans at Cal Poly Pomona

Summer Training Institute at Cal Poly Pomona began June 2009. More than 70 teachers attended training in four different engineering and technology subjects. Cal Poly Pomona will continue to recruit school districts to participate in PLTW.

PLTW Counselor/Informational Conferences:

Friday, October 9, 2009
Friday, January 8, 2010
Friday, April 16, 2010

PLTW Summer Training Institute 2010:

Dates to be determined

Cal Poly Pomona College of Engineering, Office of the Dean, Phone 909-869-2600 or -2472
<http://www.csupomona.edu/engineering>

