

Org-Type	Higher-Education-based		
Lead	San Diego State University	PoC	Dr. Bruce Westermo
PoC-Phone	619-594-7007	PoC-Email	westermo@engineering.sdsu.edu
Address	5500 Campanile Drive San Diego, CA 92182		
URL			
Service-Region	Southern California		
Type	Student Program		
Subjects	Engineering		
Level	Middle School (5-8th grade) High School (9-12th grade)		
Other-Objectives			
Served-per-Year	Demographics		
Content	<p>Project Lead The Way (PLTW) is a not-for-profit organization partnering with public schools, organizations in the private sectors, and higher education institutions to increase the number and quality of engineers graduating from our educational system. PLTW provides a four year flexible, pre-engineering, sequence of course work for high school students and a challenging, 40 week long, "activity oriented" program for middle school students. Students are introduced to the scope, rigor and discipline of engineering and engineering technology to really get a feeling of the rewards and benefits of being a part of such a powerful career. PLTW courses utilize project- and problem-based learning that teaches students how to apply what they are learning to real-life situations. These courses provide opportunities for students to understand the scientific process, engineering problem-solving and the application of technology; understand how technological systems work with other systems; use mathematics knowledge and skills in solving problems; communicate effectively through reading, writing, listening and speaking; and work effectively with others.</p>		
Outcomes	<p>PLTW aims to: Increase the number of young people, without regard to gender or ethnic origin, who pursue science, engineering and technology related careers requiring a two or four year degree. Increase females and underrepresented groups entering science, engineering and technology related careers. Provide relevant programs that help prep students and prepared them for a highly skilled working environment. Develop assessment tools to evaluate the success of San Diego PLTW. Support the development of all teachers, and counselors. Increase the value of San Diego PLTW by enhancing the image and visibility by our effectiveness and results.</p>		
Started	Funded-Through		
Length	Cost		
Primary-Funding	Primary-\$		
Materials			
Other-Funding			
How-Assessed			
Best-Practice-Why			
Promising-Practice			
Sponsor	Sponsor-Org		
Sponsor-Phone	Sponsor-Email		
Other-Orgs	<p>High Schools That Work (HSTW) QUALCOMM Girard Foundation The McCarthy Family Foundation The San Diego Foundation Eric & Margaret Johnson Sony Biogen Idec Pete Garcia Michael Chapin AnnualSales: : Ongoing-Effort</p>		