




POWAY HIGH SCHOOL ENGINEERING
ACADEMY
and Pathway

Poway High School Engineering Academy and Pathway is recognized as a Project Lead the Way (PLTW): **2020-2021 Nationally Recognized PLTW Distinguished School**



A National Distinguished High School for 3 years

<p>Proud to be a PLTW Distinguished School</p> 	<p>Proud to be a PLTW Distinguished School</p> 	<p>Proud to be a PLTW Distinguished School</p> 
ACCESS * ENGAGEMENT * ACHIEVEMENT	ACCESS * ENGAGEMENT * ACHIEVEMENT	ACCESS * ENGAGEMENT * ACHIEVEMENT

PLTW Distinguished School: High School: We received notice that we are a Nationally Recognized 2020-2021 PLTW Distinguished School in the High School Division. We have earned this honor since 2018-2019 for 3 years consecutively. This is a huge honor determined by 2019-20 PLTW students end of the year assessment scores and program requirements. There must be at least three PLTW engineering courses offered at the school and at least 33% of students must complete two or more PLTW engineering courses in the program. Students take a nationally recognized engineering end of the year assessment. Prior to COVID, over 70% of PLTW students at a high school must achieve a stanine score of 4 (proficient) or higher on the end of the year assessment, which continues to be maintained. Assessments are national engineering tests (like an AP test) administered through a secure online portal for Introduction to Engineering and Design (IED), Principles of Engineering (POE), Civil Engineering and Architecture (CEA), and Computer Integrated Manufacturing (CIM). Students that earn a stanine score of a 6 or higher will receive university credit from Rochester Institute of Technology (RIT).

In 2015, the inaugural year of the Engineering Academy & Pathway, we received the honor of being a PLTW Certified Engineering Program; one of 13 in the state of California. Since 2017-18, PLTW started recognizing school districts, high schools, middle schools, and elementary programs as distinguished schools. The PHS Engineering Academy has received this honor three years in a row during the 2018-19, 2019-20, and now 2020-21 school years. We are the only school High School in Poway Unified School District (PUSD) to receive this honor.

Engineering Academy: The Poway High School Engineering Academy is composed of fourteen choices:

Intro to (Engineering) Design (ID)/(IED)

Learn the basic Engineering design processes used in the workforce.

Architectural Design (AD)

Learn the basic Architecture design processes used in the workforce.

Honors Principles of Engineering (HPOE)

Learn the basic physics, mathematics, and science skills as an Engineer.

Civil Engineering and Architecture (CEA)

Using the basic skills you learn from AD and architecture and develop new skills in Civil Engineering.

Computer Integrated Manufacturing (CIM)

Further skills in Engineering Design and learn new matching skills in Engineering.

AP Computer Science Principles (CSP)

Learn the fundamental principles of computer science.

Engineering Design Development (EDD)

Use the skills achieved in lower level classes to create a yearlong project and develop entrepreneurship skills.

Pre-Engineering and Design (PED)

Use your Engineering/Architecture design skills to create a project.

Robotics 1A/B

Apply the skills you learn from all the other classes in a fun and rewarding way.



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PHS NCWIT

Help empower more females to pursue STEM in High School through computing to inspire younger girls.

PHS SWENext

Help empower more females to pursue STEM in High School and take part in community events to inspire younger girls.

Science Olympiad

Compete with your knowledge of science, previously known or learned in this class.

American Institute of Architecture Students

Further your understanding of architecture design and work with teams to create architectural project.

Poway Computer Science Club

Further your understanding of Computer Science and work with teams to create applications and projects.

We would also like to thank our sponsors: GitLab / Evolution Controls Inc. / ViaSat / BAE Systems / Qualcomm / DoDSTEM / Northrop Grumman / Palomar Technologies / Leidos / SES Secure E-Waste Solutions / Lockheed Martin / FIRST - Equity and Access / City of Poway / INCOSE / PTC / Raytheon / Brain Corp / General Atomics Aeronautical Systems Inc. / General Atomics Sciences Education Foundation / TechFlow / Lytx / REV Robotics & Poway High School for their generous donations and support.

We are grateful to the Poway Unified School District, Poway High School, the PUSD Board of Education, PUSD administrators, and Career Technical Education for their support!

For more information regarding the Poway High School Engineering Academy and Pathway, visit our website at <http://www.phsengineeringacademy.com> or contact Rodger Dohm at rdohm@powayusd.com.