

Engineering and Architecture Pathways and Programs

School	Pathway/Program	Description
CART	Engineering, Manufacturing, and Robotics Lab	<p>Creativity, knowledge, and skill are used to develop solutions to real world mechanical engineering problems. Working as individuals and in small teams, students design, test and evaluate working prototypes of their solutions. Students will learn how to bring engineering designs into the physical world using a variety of engineering tools, skills, and practices including cutting edge CAD and CAM solutions. CNC Machines, 3D Printers, and Laser Cutters are just a few of the technologies that will be used to manufacture student-engineered design solutions. Students will be introduced to basic electronics, microcontrollers and computer programming while learning to design, build, and program robotic and automation devices.</p>
Edison High School	Engineering, Design, and Development; Green Energy Academy	<p>Engineering, Design, and Development: A Linked Learning pathway emphasizing project-based learning through hands-on courses in CADD (Computer Aided Drafting and Design), Electronics, Robotics, and Manufacturing.</p> <p>Green Energy Academy: A California Partnership Academy providing skills and knowledge in the growing Energy and Utilities industry with unparalleled access to industry mentors and internships with the support of industry partner PG&E.</p>