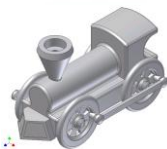


STEM ACADEMY

The STEM Academy is a four year program for students who enjoy solving problems, working with their hands and enjoy drawing and design. Students learn how science, technology, art and math concepts are applied in engineering and architecture fields.

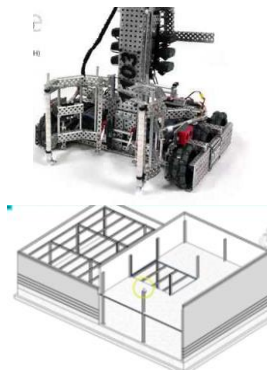
Industry standard software and equipment is utilized in real world tasks preparing students for the future.

LEVEL 1	
INTRO TO DESIGN, ENGINEERING AND ARCHITECTURE (IDEA)	
<ul style="list-style-type: none"> This is a Project Lead the Way (PLTW) course equal to PLTW IED Mechanical modeling Technical writing and Computer Aided Drafting Problem solving process 	
LEVEL 2 OPTIONS (students can take both)	
CIVIL ENGINEERING AND ARCHITECTURE (CEA) <ul style="list-style-type: none"> This is a PLTW course Building models Construction site models Site surveying 	ROBOTICS 1 <ul style="list-style-type: none"> Intelitek REC and VEX EDR curriculum Mechanisms Robot programming Classroom based competitive challenges
LEVEL 3 OPTIONS (students can take both)	
ENGINEERING, ARCHITECTURE AND DESIGN <ul style="list-style-type: none"> Professional roles Preparation for the Capstone 	ROBOTICS 2 <ul style="list-style-type: none"> After school block schedule Regional and state level competitions Team based competitive learning
SUMMER STEM JOB SHADOW <ul style="list-style-type: none"> Located at a local business Professional networking and observation opportunity During the first few weeks of summer break 20-40 hours 	
LEVEL 4	
CAPSTONE <ul style="list-style-type: none"> This is a PLTW EDD course SAME Student Mentoring Project Solve a societally important problem Students may also mentor Robotics 2 teams 	
CERTIFICATION IN PLCS STEM ACADEMY Completion of all four years of the academy. SAME SMP Project. Host STEM Day Elementary.	



FREQUENTLY ASKED QUESTION ANSWERS

- 4-year program
- Open to any grade level (incoming 8th till graduation)
- Certificates awarded to individuals who complete Level 1-4 plus job shadow
- Excellent college preparation
- Application process gives you priority
- Students may opt out at any level



PL SOUTH HS
 JAMIE GLOVER
jamielover@paplv.org
 RANDY STRIBLEY
rstribley@paplv.org

ACADEMY VIDEO
youtu.be/KV8YlnsF7ow
 APPLY ONLINE AT
 PLCSCHOOLS.ORG
 PROGRAMS > ACADEMIES
 Must be during application dates 11/7-11/15

PL HIGH SCHOOL
 DANA JANSSEN
djanssen@paplv.org
 SCOTT KNEIFL
skneifl@paplv.org

