Olympic Heights Engineering Program

The academy program is affiliated with PLTW (Project Lead the Way). PLTW is the leading provider of rigorous STEM education curricular programs used in elementary, middle and high school. (pltw.org)

Program of Study:

9th Grade – Introduction to Engineering Design (IED)
10th grade – Principles of Engineering (POE)
11th Grade – Civil Engineering & Architecture (CEA)
12th Grade – AP Computer Science Principles (AP CSP)

Additional Electives (Optional)

- Aerospace Engineering (NEW)
- Cybersecurity Essentials
- AICE Information Technology

- Each of the courses has an End of Course (EOC) exam associated with it and students can earn PLTW + AP recognition (pltw.org/our programs/ap-pltw).
- Activity, Project and Problem-based Learning (APB Approach) – students learn engineering theory and apply it to hands-on projects. Entire curriculum is available to all students online.

Industry Certifications

- Autodesk Inventor (9th grade) - IED
- Autodesk Revit (11th grade) - CEA
- Python (12th grade) - AP CSP
- Security Fundamentals – Cybersecurity Essentials
- Photoshop/Adobe Premiere – AICE Information Technology

- Affiliation with Project Lead the Way is advantageous to students at the time of college applications and for study at the college level. It is similar to AP courses in content. Some universities accept these courses as college credit. Refer to PLTW.org for list of universities.
- Clubs – SECME, Coding Club, Dirty Mechanics (community club)
- Competitions – Student Astronaut Challenge, Congressional App Challenge, AWWA Water Tower Competition, Zero Robotics Competition
- Academy Advisory Board – offers guidance with scholarships, guest speakers and field trips (FPL, Citrix, LexisNexis, Habitat for Humanity)

Engineering Instructors

Erica Cheva – Erica.cheva@palmbeachschools.org – POE & Aerospace Engineering
Laura Del Calvo – laura.delcalvo@palmbeachschools.org – IED & CEA
Angela Mitchell – angela.mitchell@palmbeachschools.org – AP CSP