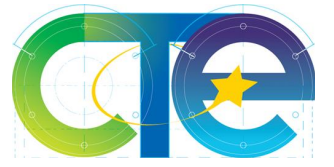




BREVARD PUBLIC SCHOOLS CAREER & TECHNICAL EDUCATION



Applied Robotics

CERTIFICATES

Autodesk Certified User-Inventor

PROGRAM HIGHLIGHTS

Here are just some of the skills students will possess after successfully completing the program:

- Program located at Palm Bay High School
- Students gain knowledge and skill in areas of mechanical, engineering, electrical, and programming.
- Students learn how to build a robot including plan design, part cutting, and programming.
- Mentors are a huge part of the robotics program. They provide hands-on training on machines and computers as it pertains to building the robot, giving real world experience to students.
- The FIRST robotics program is international which provides exposure to many cultures and customs from around the world. This includes a scholarship program that provides college pathways for students who are a member of a robotics team.
- The team setting allows students to choose the area of greatest interest to learn in areas such as assembly, driver, programmer, and business.
- Business Team is in charge of the finances of the robot including tracking spending, the sponsors, the cost of the robot and help decide on final products for the robot, and are ambassadors of the team.
- Mechanical/Engineering part of the team learn how to use industrial saws, CNC machines, in charge of building parts and labor of the robots including hand-making brackets, designing, and cutting out specialized parts.
- The programming part of the team learn CREOL, design the robot blueprints, and programming robot movements.


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