

Discover PLTW – GATEWAY TO TECHNOLOGY

Program Overview

Project Lead The Way Gateway to Technology engages students in activities that builds knowledge and empowers students to develop essential skills such as problem solving, critical and creative thinking, communication, collaboration, and perseverance. All Butler Tech courses are semester long and immerse students in hands-on experiences that give them an opportunity to explore different careers using technology and other professional skills. Students work in teams and spend a majority of their class time problem solving and collaborating on solutions that allow them to try out their ideas.

bt Butler
Tech
in Middletown City
Schools

Coursework

- App Creators
- Automation and Robotics
- Flight and Space
- Design and Modeling



“Project-based instruction allows students to learn through hands-on activities. As the students grow, it is exciting to see students take ownership and control of their learning through student selected projects.”

Instructor,

PLTW – Gateway to Technology

Butler Tech PTLW – Gateway to Technology Course offerings at Middletown

App Creators

App Creators will expose students to computer science as a means of computationally analyzing and developing solutions to authentic problems through mobile app development, and will convey the positive impact of the application of computer science to other disciplines and to society.

Automation and Robotics

Automation and Robotics students trace the history, development, and influence of automation and robotics. They learn about mechanical systems, energy transfer, machine automation and computer control systems. Students use VEX (a robust robotics platform) to design, build, and program a solution to solve an existing problem. to design, build, and program a solution to solve an existing problem.

Design and Modeling

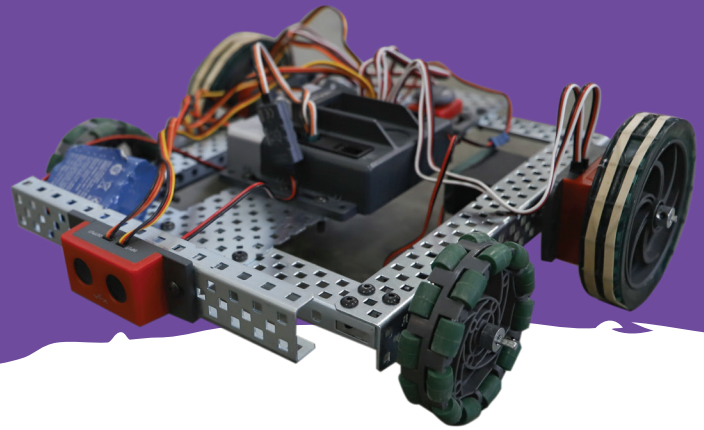
Design and Modeling allows students to apply the design process to solve problems and understand the influence of creativity and innovation in their lives. They work in teams to design a playground and furniture, capturing research and ideas in their engineering notebooks. Using Inventor® design software, students create a virtual image of their designs and produce a portfolio to showcase their innovative solutions.

Flight and Space

The exciting world of aerospace comes alive through Flight and Space. During this unit, students delve into the history of flight and space, discover the science behind aeronautics, and explore traveling and living in space. Students are then challenged to use their knowledge to design, build, and test an airfoil.

"I've learned so much in this class and have a great idea of what I want to pursue in my future."

Student,
PLTW – Gateway to Technology



Discover

PLTW – Gateway to Technology through Butler Tech and pursue a career that's right for you.

Butler Tech connects high school students to career technical education in more ways than ever. Complete your traditional academic courses in your school and enhance your educational experience with career-focused labs and on-the-job training. Each moment in a Butler Tech career technical course is a step toward building your future.



See your guidance counselor for registration information.

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