Discover
BUTLER TECH AT MIDDLETOWN MIDDLE SCHOOL

MIDDIES

Program Overview

Middle school is a time of exploration, a time when students are figuring out what they're passionate about and how that relates to who they'll become tomorrow. Butler Tech, in collaboration with Middletown Middle School, connects students to those passions in seventh and eighth grade with the introduction of career technical education.

Each Butler Tech class engages students in activities that not only build knowledge but also empower 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 gives 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.

Butler Tech Courses offered within Middletown City Schools:

- **App Creators**
- **Automation and Robotics**
- **Design and Modeling**
- **Flight and Space**
- **Hospitality Fundamentals**

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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.

Hospitality Fundamentals

This first course in the career field will introduce students to culinary arts, foodservice operations, lodging, travel and tourism. Students will obtain knowledge of customer service principles and examine the impact of cultural, historical, social and technological developments on key segments of the industry. They will also apply safety and sanitation techniques to prevent and control injuries, illnesses and diseases in the workplace. Business law, employability skills, leadership and communications will be addressed.

Students can continue to explore Butler Tech courses at Middletown High School and consider attending one of Butler Tech's main campuses beginning their sophomore year in high school.

"**I've learned so many new and interesting things in this class. It makes me excited about what I will get to learn when I'm in High School.**"
Student, *Design and Modeling*

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See your guidance counselor for registration information.

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