

## Welcome to Burrillville High School

We are pleased to offer the following  
Career and Technical Pathways:

- Automotive Technologies
- Biomedical Science (PLTW)
- Biotechnology
- Business & Finance
- Childcare
- Computer Science
- Construction
- Criminal Justice
- Engineering (PLTW)
- Environmental Science
- Graphic Communications

These programs are designed to offer students a multi-course sequence in which they receive in-depth instruction in a chosen career cluster. All programs begin during their sophomore year of high-school.

For more information  
please contact:

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## CAREER AND TECHNICAL PATHWAYS

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### **Automotive Technologies**

Coursework provides students with the pathway for a career in the automotive industry as a technician. Hands on diagnostics are a large component within this pathway.

**Biomedical Science** This pathway is part of Project Lead The Way (PLTW) [www.pltw.org](http://www.pltw.org)

PLTW empowers students to develop and apply in-demand, transportable skills by exploring real-world challenges. Coursework prepares students for potential careers as a biologist, chemistry or within a medical/health care related field.

**Biotechnology** These are hands-on skill courses with university level labs from Bio-Rad and Amgen Biotechnology Experience. These help the student prepare for technician level jobs at biotechnology companies.

**Business & Finance** Classes include Intro to Business, Personal Finance, Marketing and Communications. These assist the student in career pathways for accounting, entrepreneurship, sales, advertising, and many other business opportunities.

**Child Care** This pathway assists the student in pursuing a career in a child related field. Included is a 12 week, part time, on site Preschool Playschool that students can assist with lessons and interaction with preschoolers. Students are required to participate in an internship at a local elementary or preschool. Successful completion will allow the student to prepare for the Para Pro Assessment to be certified as a Teaching Assistant in RI.

**Computer Science** Students will work together to design solutions, as they learn computational thinking, which enhances their communication and thinking skills. Some possible pathways are app development, programming and cyber security, as well as various careers in data and computer science.

**Construction** Fundamental tools and machine skills necessary to design and construct quality projects from wood and other construction materials are taught within this pathway. CAD software is used, and students have an opportunity to test for OSHA certification.

**Criminal Justice** This pathway focuses on Law and Public safety including an examination of the organization and jurisdiction of federal, state, and local courts and law enforcement agencies. Pathways can lead to various careers with enforcement.

**Engineering** This pathway is part of Project Lead The Way (PLTW) [www.pltw.org](http://www.pltw.org) Students utilize the activity project-problem-based (APB) teaching and learning pedagogy, Students progress from completing structured activities to solving open-ended projects and problems that require them to develop planning, documentation, communication and other professional skills. This prepares students for a variety of engineering pathways.

**Environmental Science** This pathway is for students who are interested in ecology and how technology can assist in developing alternative energy sources. This program is approved by the RI Department of Education.

**Graphic Communications** Students who are interested in careers in Arts and Communication will be part of this career pathway. Students are introduced to Adobe Illustrator with Photoshop Creative Cloud, which will help prepare them for a career in the graphic design field.