Construction & Architecture Track

Home and Auto Maintenance

- > 1/2 Year Class (0.5 Credits)
- How to change a tire, jump starting, oil change
- How to frame a wall, plumbing, electrical, drywall

Materials Processing

- Year Class (1 Credit)
- Learn how to turn your ideas into reality
- Use a Laser Engraver

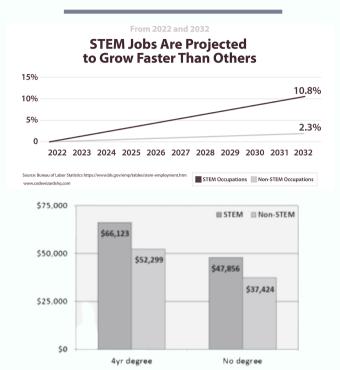
Civil Engineering and Architecture

- Year Class (1 Credit)
- Use Architectural Software
- Design your own Building

40% CURRENT CONSTRUCTION WORKERS

set to retire by 2031

Technology Education Stats



Contact Us

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Technology Education Course Descriptions



2024 - 2025

Rocky Hill High School

Technology Education Department



Technology Education Slides



Computer Science Track

Computer Technology

- > 1/2 Year Class (0.5 Credits)
- How To Build a Computer
- Intro to Coding & Interface

 \longrightarrow OR \longleftarrow

Intro to Robotics

- > 1/2 Year Class (0.5 Credits)
 - > VEX Robotics
- Introduction to Programming

Advanced Robotics

- > 1/2 Year Class (0.5 Credits)
- > SEAPERCH Robotics
 - Arduino circuit boards

AP Computer Science

- Full Year Class (1.0 Credits)
- > Programming with JavaScript
- College Credit

Engineering Track

1.0 Credit - Full Year Courses (Eligible for College Credit)

Introduction to Engineering Design

- Teamwork & Collaboration
- Computer Aided Design
- Activity Based Problem Solving
- Civil Engineering and Architecture
- Use Architectural Software
- Design your own BuildingConduct a Site Survey
- Principles of Engineering
- Explore Engineering Careers
- Engineering/ Physics exposure
 - > Activity Based Problem Solving
- Engineering Design and Development
 - Develop your own Product
 - Create a Business
 - Self Guided Learning

The median annual wage for engineering is

\$83,700

Manufacturing Track 1.0 Credit - Full Year Courses

Materials Processing

- Turn your ideas into reality
- Complete Building
 Challenges
- Use a Laser Engraver
- Advanced Materials
 Processing
- Learn how to monetize products
- Project Based Learning
- Use a CNC Router Machine
- Engineering Design and Development
- Develop your own Product
- Create a Business
 - Self Guided Learning



25%

of all U.S. aircraft engine parts manufacturing is located in Connecticut

60% of all new jobs in STEM are in computing