

BLUE RIDGE SCHOOL



The Blue Ridge School Technology Program gives our students the tools to excel.

Blue Ridge's Technology Center/Maker Space is an innovative space that combines high tech tools such as a laser cutter, a 3D printer, computers with 3D design software as well as other digital and audio/video tools with actual hand tools such as hammers and screwdrivers – technology suited to young men.

In addition to the Technology Center/Maker Space, the program includes a robotics lab as well as a computer lab set aside for digital art and design classes.

The Technology Department offers five courses as electives over three trimesters.



3 LABS



STATE OF THE ART EQUIPMENT



5 TECHNOLOGY ELECTIVES

TECHNOLOGY COURSES:

Robotics (year-long course) – prepares students to build and program robots using Lego and Tetrix components and RobotC programming environment.

Introduction to Building Digital Hardware, Programming and Coding – project-based class which introduces students to coding and web design using HTML, CSS and JavaScript during the first trimester and computer hardware so that students may build their own computers during the second trimester.

Digital Communications and Design (one section each trimester) – students identify communication needs within the community and create an appropriate technology solution to meet those needs ranging from pamphlets to podcasts. Available equipment includes professional audio and video equipment, drones and green screen.

Design Thinking and Problem Solving with Technology (one section each trimester) – hands-on course during which students identify problems and resolve them by using digital and traditional tools.

Digital Citizenship (one section each trimester) – overview of digital privacy, appropriate use of digital resources, and the use of technology as tools for learning.

Robotics (afternoon sport during winter trimester) – students participate in an FTC or similar robotics competition.

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