CUYAHOGA VALLEY CHRISTIAN ACADEMY

New Middle School Technology Offerings

2023-2024 School Year

There are exciting updates to the 2023-24 middle school Technology offerings. Two course options cover different topics and projects that prepare students for CVCA's many and various high school technology offerings. One or the other is certain to appeal to your student's interests while fulfilling their middle school tech requirement.

CVCA middle school students **are required to take one technology elective in either 7th or 8th grade**. As noted above, two course options fulfill this requirement while covering different topics and projects:

Middle School Computer Science

Leads to High School Intro. to Programming, Programming 2, AP Computer Science Principles

This year-long course introduces students to the main concepts of the field of computer science. Units of instruction include coding instruction using Python, basic programming and drones, an introduction to web design and HTML, cybersecurity, and artificial intelligence. Students explore these areas through exploration, problem-based learning, and some hands-on projects such as:

- Wearables/create your own computer-based jewelry
- Build your own game
- Build your own gaming computer
- Introduction to Artificial Intelligence and other current technologies

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Middle School Media and Design

Leads to HS Graphic Design, Web Design, and Yearbook.

Students in this year-long course explore videography, photography, and design. They work with cell phones, Chromebooks, and cameras – learning to maximize the tools they already have – as well as professional design/editing programs. Students learn how to format for digital social media platforms, short videos, and print work. They also enter work into a film festival. There is an emphasis on compositional principles and how to use them across all digital mediums.

- Introduce different forms of digital art
- Explore technology in art
- Travel poster design project
- Lightsaber edit project