Computer Science

2-hour course

Upon completion of this course, students will be able to:
- Define the term "algorithm", and explain how they are used in computer programming
- Differentiate between hardware and software
- List various common pieces of hardware associated with a personal computer
- Give examples of software that might be installed on a personal computer or smartphone
- Define the term "binary"
- Define the term "bit"
- Explain why computers use a binary system instead of the decimal system
- Describe the roll a programming language plays in creating software
- List the three basic programming structures used by all programming languages
- Determine if coding is a good career choice

Chapters:
1. Algorithms
2. Hardware and Software
3. Binary
4. Programming Languages
5. Sequences, Selections and Loops
6. Should I Learn to Code?

This curriculum is based on GCF Global's Computer Science course.
Videos and course materials can be viewed, at no charge, at
https://edu.gcfglobal.org/en/computer-science/.

To purchase a customized instructor-led group or one-on-one training, delivered via Zoom, MS Teams or at your office, please contact TechMentors.