

## COMPUTER SCIENCE PRINCIPLES

*Computer Science introduces students to the breadth of the field of computer science. In this course, students will learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They will use data to discover new knowledge. Students will also explain how computing innovations and computing systems, including the Internet, work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical.*

- **Creative Development:** Collaboration is crucial when developing computing innovations, because having multiple perspectives offers additional opportunities to find solutions.
- **Computing and Data:** Processing data is the main benefit of computer use.
- **Algorithms and Programming:** Algorithms and programming languages are essential for solving problems and completing tasks.
- **The Internet:** The Internet is built on systems that use protocols to transfer data.
- **Impact of Computing:** The impact of computing extends to societal, economical, and cultural issues.

