COMPUTER SCIENCE

0200305   ❖**Computer Science Discoveries**   **10th - 12th Grades**   **1.0 Credit**

Computer Science Discoveries introduces students to computer science as a vehicle for problem solving, communication, and personal expression. The course focuses on the visible aspects of computing and computer science and encourages students to see where computer science exists around them and how they can engage with it as a tool for exploration and expression. Computer science prepares all students to be active and informed contributors to our increasingly technological society whether they pursue careers in technology or not. Computer science can be life-changing, not just skill training.

0200335   ★❖**AP Computer Science Principles**   **10th - 12th Grades**   **1.0 Credit**

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles also gives students the opportunity to use current technologies to create computational artifacts for both self-expression and problem solving. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science.

★Level 3 Course for College Credit – Weighted to the 6.0 Scale | ☆Level 3 Course – Weighted to the 5.0 Scale
▼Performing & Practical Fine Arts Credit | ❖Math or Science Credit | ⬤Physical Education Credit