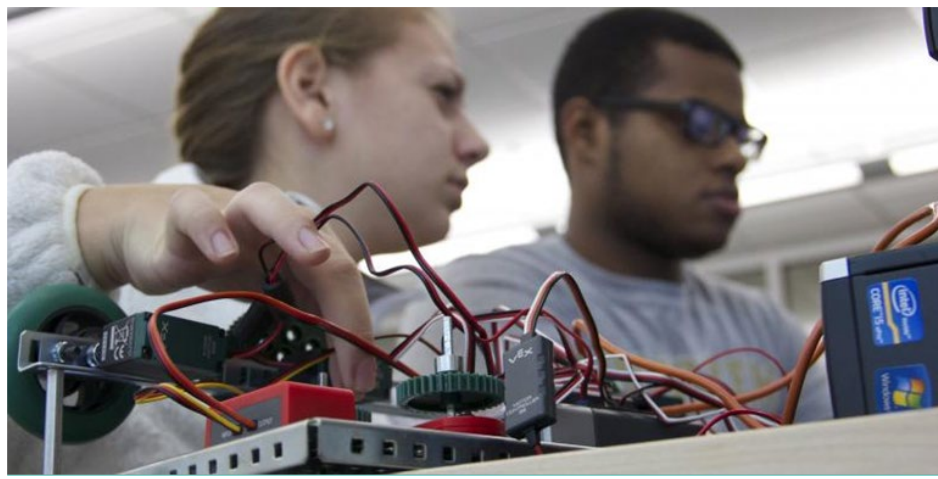


Computer Science Principles



- Meets UC Area "g" requirement
- Learn industry technology and software
- Discover your ability to problem-solve and work collaboratively to apply engineering disciplines

The number of job openings projected in 2018 for STEM fields will reach 2.8 million, and approximately half of these will be for computer specialists.

This course can open doors in any career with computer science! In CSE, students create apps for mobile devices, automate tasks in a variety of languages, and find patterns in data. Students collaborate to create and present solutions that can improve people's lives, and weigh the ethical and societal issues of how computing and connectivity are changing the world.

“Using Python® as a primary tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. Computer Science Principles helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cybersecurity, and simulation. PLTW is recognized by the College Board as an endorsed provider of curriculum and professional development for AP® Computer Science Principles (AP CSP). This endorsement affirms that all components of PLTW CSP's offerings are aligned to the AP Curriculum Framework standards and the AP CSP assessment.” (PLTW, 2018)

To enroll or learn more about this program, talk to your counselor or visit your Career Center or contact Ms. Banther at cbanther@nhusd.k12.ca.us

More information is also available at <https://www.mvrop.org/instructor/cbanther.html> or www.mvrop.org