



Do you enjoy being creative?

Curious about how the internet and other technologies work?

Want to learn how to create your own Android Apps?

Interested in learning about programming in a fun new context?

Computer Science Principles is a new one-year course designed to introduce students to the central ideas of computing and computer science, to instill ideas and practices of computational thinking, and to have students engage in hands-on activities that show how computing changes the world.

The Big Ideas of this course are:

- I. Computing is a **creative activity** – explore new ways to express your creativity!
- II. **Abstraction** reduces information and detail to allow you to focus on relevant concepts – a critical problem solving skill.
- III. **Data** and information facilitate the creation of new knowledge.
- IV. **Algorithms** are used to develop and express solutions to computational problems.
- V. **Programming** enables problem solving, human expression and creation of knowledge.
- VI. The **Internet** pervades modern computing – how does it work?
- VII. Computing has **global and social impacts** – opportunities exist to help others and change the world with new technology!

Explore all of these concepts in a hands-on context that covers a broad range of computer science topics!

For more information about this new course.....

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