





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 handson activities that show how computing changes the world.

The Big Ideas of this course are:

- 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.....

Contact your counselor or <NAME HERE>, <EMAIL HERE>, <PHONE HERE>

Be Part of a Future College Board AP Course!

The new *CS Principles* course is being taught at schools across the United States in collaboration with the College Board and the National Science Foundation. It will become an official AP course in 2016-2017. At **YOUR SCHOOL HERE**, we are collaborating with other Alabama schools in the "Computer Science Principles Across Alabama" (CS4Alabama) project to introduce this new course. **In Alabama, this course also counts as a math elective toward graduation!**

If you like ... connecting new ideas, creativity, communicating,

ABSTRACT THINKING, analyzing problems,

hands-on activities, designing new things...

then this course is for you!

