

Computer Science 1:

Are you curious about the world of computers? Did you ever want to design and build your own game? How about making your own computer or designing your own website? Here's your opportunity to explore different fields of computers from computer hardware, web design, programming, robotics, networking, problem solving, etc. You will learn how to build your own computer by disassembling all the hardware components in the computer's CPU and reassembling it. You will learn how to create your own website using HTML, CSS and JavaScript. You will learn the fundamentals of programming that will help you design and program a game. Your knowledge of programming will be applied to build LEGO MindStorm Robots to do whatever you want them to do: vacuum your house, water your plants, etc.

Computer Science 2:

What's your favorite App on your mobile device? Have you ever thought about making your own App? This course will teach you the fundamentals of programming necessary to build your own App on a mobile platform. Whatever you cause maybe, social awareness or monetizing from an App, you'll learn the process of designing an App from start to finish. You will be able to share the Apps you will create such as auto-texting a person while driving to creating your own game that you can share and play with your friends. BYOA (Build-Your-Own-App)!

Robotics:

Have you ever seen two sumo robots duke it out in a ring? How about a robot that can find its way out of a maze? Got other great ideas of creating your own robots? You can create a robot to do just about anything you want! From vacuuming your floor to watering your plants. You can also create robots to play hockey or create an assembly line. Learn principles of engineering and programming through exploring robotics. This is a hands-on course that will allow you to explore your creativity of building a robot to perform specific tasks.