

Why should I learn to code?

Programming (also known as coding) is how sites like Facebook and apps like Instagram are made. Knowing how to program is like having a computing super power.

Steve Jobs, Mark Zuckerberg and Bill Gates have all said that students should learn how to code. It's a skill that not only teaches you how to work with computers, but also teaches you how to think about solving problems with systems.

Learn about Python at the Makerspace in the IC, an easy to learn scripting language used for many different purposes such as web applications and scientific research. Companies like Google, Facebook and Reddit all use Python in their infrastructure and web services.

President Obama supports STEM and Coding/Programming

During the 2014 Computer Science Education Week, President Obama welcomed approximately 30 middle-school-aged students from Newark, NJ, and Brooklyn, NY, to roll up their sleeves, get online together, and participate in an "Hour of Code" at the White House. These students joined millions of people around the world who were participating in similar Hour of Code events during the Computer Science Education week to get familiar with the basics of computer programming through innovative online tutorials for learners of all ages. Many of the students were using Raspberry Pi, Python, and Scratch for their hour of coding...**now available in the Aviano Information Center.**

Aviano MHS Makerspace - What is it?

The Aviano MHS Makerspace is a physical location in the Information Center where students gather to share resources and knowledge, work on projects, network, and build. Makerspaces provide tools and space in a community environment. Expert advisors may be available some of the time, but often students will help each other. The focus of the Makerspace at Aviano MHS is Science, Technology, Engineering, and Math (STEM).

Why STEM?

"Many business and political leaders express growing concern that not enough Americans, especially women and minorities, are headed into these fields." Redorbit.com

How will you learn?

Inquiry-Based Learning

Open-ended Question



Research and Investigate



Present and Discuss



Reflect