

# Sign up for the 2019-2020 School Year!



Creative Thinkers Wanted

## Introducing AP<sup>®</sup> Computer Science Principles

### The Power of Computer Science

#### The Innovation Engine

Wherever you look in today's world, computer science is there. From 3-D animation to medicine, fashion, engineering, visual design, finance, music production, statistical analysis, and much more, computer science powers the technology, productivity, and innovation that drives the world.

#### Ideas Come to Life

AP<sup>®</sup> Computer Science Principles (AP CSP) helps you understand how computing and technology influence the world around you. As part of this course, you'll create digital projects, such as videos and mobile apps, to address real-world issues in the same way that writers, programmers, engineers, and designers would. Students will conceive and implement digital projects, utilizing some of the same processes that writers, programmers, engineers, designers, and other creators use to bring their ideas to life.

#### AP CSP students have created projects like:

- A travel app to plan what clothes to pack based on the destination's weather
- A program that identifies threats to cybersecurity and ways to use the internet to address them
- An educational app that helps children learn their ABCs

### Beyond Computing

AP CSP can prepare you for success not only in computer science majors and careers but also in other fields and interests. For example, computer science skills can help you:

- Create apps to track health data and provide real-time suggestions for ways to live healthier
- Program models and experiments that aid in answering biology, physics, and sociology questions
- Design and create robots to assist in fields like manufacturing, surgery, research, and transportation
- Create tools that allow people to collect money for important causes they care about

For more information, see Guidance  
or Dr Cathcart (Room 400)