Course Syllabus

AP COMPUTER SCIENCE PRINCIPLES

Code:	565030	**NCAA Approval:**	No
Level:	High School	**QM Certified:**	No
Duration/Credit:	1.0 Credit/Year	**Textbook:**	None
Prerequisites:	None	**Materials:**	None
Standards:	AP Computer Science Course & Exam Description	**Technology:**	VA Technology Requirements
Pacing Guide	565030 AP Computer Science … 565030 AP Computer Science …	**Alignment Matrix:**	Alignment Matrix

Course Introduction

Watch the course introduction video or read the video transcript for a brief introduction to the course.

Course Description

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real-world problems and build relevant solutions. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science.

Course Level Objectives

The objectives for this course include the following:

- Understand the basics of computer systems.
- Understand the digital representations of real-world things.
- Evaluate and analyze the tremendous impact of computing on the world.
- Analyze and draw new conclusions from large data sets.
- Apply foundational programming constructs to solve problems.
- Create programs that serve useful functions.
- Design future technology applications.

Course Participation Information

There are other pieces of important information about your participation in a Virtual Arkansas course. This information can be found in your course in the Virtual Arkansas Program Syllabus.