



## AP COMPUTER SCIENCE PRINCIPLES

### Technical Requirements

#### ABOUT SCRATCH

This course uses Scratch 2, which can be used on a web browser by going to <https://scratch.mit.edu>. See the compatible browsers below. Scratch has an application (Scratch 1.4) that you can download and install at your option. The installed app is **not** required to complete the course.

#### ABOUT PROCESSING

This course uses Processing version 3.1.1. Processing is a "portable app," which means that you can download and run it without going through the install process. Even if you have no admin rights, you can run it. You could even run it from a flash drive if need-be. Go to <https://processing.org> to download the app.

#### SYSTEM REQUIREMENTS

<b>Screen Size</b>	The course is best viewed at a minimum of 1024x768, which is the average size of a notebook computer.
<b>Operating System</b>	Windows XP SP3 and newer Mac OSX 10.6 and newer Linux – chromeOS  The interface was optimized for desktop displays, so using small form factors such as phones may not be a pleasant user experience.
<b>Computer Speed and Processor</b>	1GB of RAM 2GHz processor
<b>Supported Browsers</b>	We highly recommend updating to the newest version of whatever browser/ Supported browsers include:  Internet Explorer 11 and Edge Chrome 45 and 46 Safari 8 and 9 Firefox 40 and 41 (Extended Releases are not supported) Flash 17 and 18 (used for recording or viewing audio/video and uploading files) Respondus Lockdown Browser (supporting the latest system requirements)
<b>Internet Speed</b>	Minimum of 512kbps

<b>Screen Readers</b>	Macintosh: VoiceOver (latest version for Safari) PC: JAWS (latest version for Internet Explorer 10 &11) PC: NVDA (latest version for Firefox) There is no screen reader support for this course in Chrome
<b>Other</b>	Adobe Flash Player version 10.2 or later