



PLTW Algebra 1 Advantage Computer Specifications 2024-2025

April 2024 v1

The PLTW curriculum utilizes powerful, industry-based software. To prepare for a successful school year, please work closely with your IT department to ensure your computer hardware meets or exceeds the specifications below.

Please note, we do not support the following software solutions for use with the PLTW curriculum:

- Open Office
- Virtual Desktop Environments
- Internet Explorer

PLTW Algebra 1 Advantage Specifications

Algebra 1 Advantage	PC/Windows	Mac	Chromebook	Android Tablet	iPad
Algebra 1 Advantage	✓	✓	✓	✓	✓

*Each student and teacher must have one of the devices above.

- For core training, teachers should bring the Mac, PC or Chromebook they intend to use in the classroom.

PLTW Biomedical Science Computer Specifications		
Specification	Minimum	Recommended for new purchase
Processor	Intel® or AMD processor 2.0 Ghz +	Intel® or AMD processor 2.3 Ghz +
RAM	4 GB +	8 GB +
Hard Drive	250 GB +	250 MB +
Video	Graphics 128 MB +	Graphics 256 MB +
Operating System	Windows 7, Windows 8.1, or Windows 10, Windows 11 64 bit operating system. Apple device with macOS 13+.	Windows 7, Windows 8.1, or Windows 10, Windows 11 64 bit operating system or Apple device with macOS 15+.
Bluetooth	Student and teacher devices must be Bluetooth enabled	Student and teacher devices must be Bluetooth enabled
Network	Must have wireless network connectivity	Must have wireless network connectivity
Other Basic Software (complete software lists here)	<ul style="list-style-type: none"> • We recommend the most current version of Firefox or Chrome for optimal utilization of myPLTW. 	<ul style="list-style-type: none"> • We recommend the most current version of Firefox or Chrome for optimal utilization of myPLTW.





PLTW Algebra 1 Advantage Chromebook Specifications	
Screen Size	11 inch +
Processor	1.0 Ghz+
RAM	4 GB +
On Board Storage	16 GB +
Graphics	Integrated
USB Connectivity	Must have a USB port and drivers
Operating System	Chrome OS Current version (updated continuously)
Network	WiFi enabled (cellular/LTE not required); Must have wireless network connectivity*
Bluetooth	Suggested to be enabled, but not required.

PLTW Algebra 1 Advantage Android Tablet Specifications	
Screen Size	7 inch +
On Board Storage	16 GB +
Operating System	Android v8.0+ (v7.0+ for VEXcode VR in 5th Grade Distance Learning)
Network	WiFi® enabled (cellular/LTE not required); Must have wireless network connectivity*

PLTW Algebra 1 Advantage iPad Specifications	
(Click here for Apple Education Site)	
Supported Models	Models that can update to iPadOS 15 or higher. See list of models.
Screen Size	7.9 inch +
On Board Storage	16 GB +
Operating System	iOS 15 +
Network	WiFi enabled (cellular/LTE not required); Must have wireless network connectivity*

Network Allow list: Please see our Allow list for ports and websites [here](#). Following the Allow list ensures that teachers and students can access and use the software, websites, and applications required to offer PLTW coursework.



Other Hardware

Projector: Each classroom needs a digital projector with screen (or equivalent classroom display hardware) with appropriate cables, adapters, or software to connect to the teacher device.

Printer: Each classroom will need access to a single medium duty printer for coursework:

Print speed: Up to 35ppm

Resolution: 600 x 600 dpi minimum, Color recommended

Memory: 128 MB min

Paper size: Letter and Legal

Network ready

