

Technical Requirements for Algebra 1 Advantage

This document describes the hardware and network requirements needed for PLTW Algebra 1 Advantage (A1A). It is divided into the following sections:

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Hardware Requirements

A computing platform is required for teachers and students Algebra 1

Advantage curriculum and supporting resources. Teachers need to attend training with the following laptops or Chromebooks. Students will be able to use tablets in the classroom. Full classroom specifications are [here](#).

Computer Specifications	Minimum	Recommended
Processor	Intel® or AMD processor 2.0 GHz +	Intel® or AMD processor 2.3 GHz +
RAM	4 GB +	8 GB +
Hard Drives	250 GB +	250 GB +
Video	Graphics 128 MB +	Graphics 256 MB +
Operating System	Windows 7, Windows 8.1, Windows 10, Windows 11 64-bit, or OSX 10.11+	
Misc.	External mouse Headphones or earbuds	

Chromebook Specifications	Minimum
Processor	1.0 GHz +
RAM	4 GB +
Screen Size	11 inch +
On Board Storage	16 GB +
Operating System	Chrome OS current version (updated continuously)
Network	Wireless enabled (cellular/LTE not required)
Misc.	Graphics Integrated Bluetooth® USB port and drivers

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

Note: Other equipment and supplies required for your classroom can be purchased from the PLTW Store. Please refer to the [PLTW Investment Tool](#) for more information.



Allow Lists

All teacher and student computers must have access to the internet. To comply with the Children's Internet Protection Act (CIPA), unrestricted internet is prohibited at school sites. IT departments and/or school districts configure *allow lists* which contain approved domains, URLs, and IP addresses that school computers can access.

Collaborate with the appropriate group to confirm the allow list has been configured for all teacher and student computers.

[General PLTW and A1A Program Allow List.](#)



Software Requirements

There is no additional software installation that is needed for Algebra 1 Advantage. All software used in Algebra 1 Advantage is browser based. To ensure that you will have access to everything that you need, double check the [myPLTW Allow List](#) and discuss any system changes that may be needed with your local IT team.



Additional PLTW Core Training Requirements

In addition to the hardware, network, requirements identified above, PLTW Core Training has a few recommendations to make your learning experience the best possible.

Hardware for Core Training

A desktop or laptop is required for core training. See “Hardware Requirements” section.

(For online Core Training only) A system with a full-size monitor is recommended and a system with two monitors, one of which can be a laptop screen, is ideal.

Allow List for Core Training

If you are using your own computer and have open access to the internet, you will not need to configure the allow list for core training. If you are using a desktop or laptop provided by your school, you will most likely need to have the allow list configured on your device. Refer to the “Allow Lists” section for details.

Participant Supply List (Online Core Training Only)

You will receive a PLTW Core Training Welcome and Equipment Kit for your course. Your kit will be delivered to the address you provided at registration. It will include a welcome kit, an A1A card deck, and a PLTW Math Notebook.

Questions?

Our friendly PLTW Solution Center team members are here to answer any of your questions. Call us at 877.335.7589 for live, one-on-one support Monday through Friday 7:00 a.m.–9:00 p.m. ET. You can also email us at solutioncenter@pltw.org.

