

2023-2024 Biomedical Science Computer Specifications

May 2023 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.

Distance Learning: All BMS courses are compatible with Chromebooks for Distance Learning. See the [PLTW Software page](#) for additional details.

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

- Open Office
- Virtual Desktop Environments
- Internet Explorer

PLTW Biomedical Science Specifications

Biomedical Science Course	PC/Windows	Mac	Chromebook*	Android Tablet*	iPad*
Biomedical Innovation	✓	✓	✓	✓	✓
Human Body Systems	✓	✓	✓	✓	✓
Medical Interventions	✓	✓	✓	✓	✓
Principles of Biomedical Science	✓	✓	✓	✓	✓

**In order to use Chromebooks, Androids, or iPads, you must purchase and use the GoDirect Vernier sensors and use Graphical Analysis 4 software. Legacy wired sensors and LoggerPro software are not supported on these devices.*

- 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.
- We do not support Kindle Fire tablets for use in any PLTW Biomedical Science curriculum.
- We do not suggest desktop computers for use as they have limited mobility in a lab environment.





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 GB +
Video	Graphics 128 MB +	Graphics 256 GB +
Operating System	Windows 7, Windows 8.1, or Windows 10 64 bit operating system. Apple device with OSX 10.11+.	Windows 7, Windows 8.1, or Windows 10, 64 bit operating system or Apple device with macOS 10.15+.
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 Biomedical Science 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	Student and teacher devices must be Bluetooth enabled





PLTW Biomedical Science Android Tablet Specifications	
Screen Size	7 inch +
On Board Storage	16 GB +
Operating System	Android v9 +
Bluetooth	Student and teacher devices must be Bluetooth enabled
Network	WIFI enabled (cellular/LTE not required); Must have wireless network connectivity*

PLTW Biomedical Science iPad Specifications	
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	iPadOS 15 +
Bluetooth	Student and teacher devices must be Bluetooth enabled
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 PLTW Biomedical Science 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

