

Minimum Specification Requirements



Windows Laptops

Please refer to the following minimum and recommended specifications when purchasing a Windows laptop device for use within the CSBB BYOD Program.

The minimum specifications identify devices capable of supporting current educational requirements, while the recommended specifications identify devices expected to provide a longer practical lifespan when purchased today.

Devices should meet or exceed the requirements outlined in this document.

	Minimum CSBB can only guarantee support for a maximum of 3 years	Recommended
Screen Size	13" - 14"	
Processor	Intel Core i5 (10th Generation or newer) or AMD Ryzen 5 (4000 Series or newer)	Intel Core Ultra 5 or AMD Ryzen 5 8000 Series (or newer)
	<u>Windows devices with ARM-based processors</u> (e.g. Qualcomm Snapdragon) are not recommended as they may be incompatible with school required applications	
Memory	8 GB RAM	16 GB RAM
Storage	256 GB SSD	512 GB SSD
Wireless	WiFi 6 (802.11ax 2x2)	WiFi 6E (802.11ax 2x2, 6 GHz)
Operating System	Windows 11	
Other	Battery - 6 hr battery life TPM 2.0 (Required for Windows 11)	
		Biometric Technology used for facial recognition (Windows Hello).
Warranty	Warranty coverage where available	5 year warranty with accidental damage protection

Windows Laptops - Additional Information



Screen Size

13" - 14"

Screens of this size offer an ideal balance between portability and usability. Students can comfortably view content and carry their laptops to and from school without added strain.



Processor

Minimum:

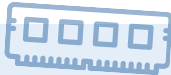
Intel Core i5 10th Gen or AMD Ryzen 5 4000 Series

Modern Intel Core i5 and AMD Ryzen 5 processors provide sufficient performance for current curriculum requirements, including web browsing, collaboration tools, document creation, multimedia activities and other common learning tasks.

Recommended:

Intel Core Ultra 5 or AMD Ryzen 5 8000 Series (or newer)

Recommended processors such as Intel Core Ultra 5 and AMD Ryzen 5 8000 Series offer improved performance, energy efficiency and multitasking capabilities, providing a longer practical lifespan for students purchasing a new device today.



Memory

Minimum:
8 GB RAM

8 GB of RAM ensures smooth and efficient multitasking during the learning process. As students engage with various educational applications, web browsers, and productivity tools simultaneously, sufficient memory prevents the device from slowing down or experiencing performance issues.

Recommended:
16 GB RAM

16 GB of RAM provides greater capacity for future operating system and application requirements, supporting a longer practical lifespan for students purchasing a new device.



Storage

Minimum:
256 GB SSD

Having at least a 256 GB Solid State Drive (SSD) of storage in a BYO device is often sufficient for most students' educational needs. It allows for storing class materials, assignments, and software applications without any storage constraints.

Recommended:
512 GB SSD

512 GB SSD of storage offers significant advantages for students with extensive digital needs. As educational materials become more media-rich and software applications grow in size, the extra storage capacity becomes increasingly valuable.

Wireless



Minimum:
WiFi 6 (802.11ax)

WiFi 6 offers fast data transfer speeds, reduced latency, and improved network performance, enabling students to access online resources, collaborate in real-time, and stream educational content without interruptions.

Recommended:
WiFi 6E (802.11ax)

Whilst WiFi 6 operates in the 2.4 GHz and 5 GHz bands, WiFi 6E adds support for the 6 GHz band, providing more available channels and less interference for faster and more reliable connections.

Operating System



Windows 11

Having an up-to-date Operating System (OS) ensures compatibility with the latest educational software, applications, and security updates. Newer OS versions often provide enhanced features, improved performance, and better user experience, which are essential for students to maximize their learning potential



Battery

Minimum:
6hr battery life

A long battery life ensures that students can use their devices throughout the school day without the need for frequent charging, eliminating disruptions and distractions. It is important for student devices to be fully charged at home overnight.

Warranty



Minimum:
Warranty coverage
where available

Recommended:
5 year warranty with
ADP

Warranty coverage can assist with repairs and support if hardware faults occur. Families are encouraged to maintain warranty coverage where available.

5 year warranty with accidental damage protection (ADP) offers comprehensive coverage against unforeseen accidents that may occur during a student's daily use. While a standard warranty may cover manufacturer defects, ADP goes a step further, ensuring protection against accidental spills, drops, and other mishaps that commonly occur in educational settings.

Other Considerations

Headset

Headsets provide clear audio quality, which is essential for multimedia resources and online learning. Headsets which include headphones and microphone, enhance the educational experience, providing a focused and immersive learning environment for students using their personal devices in the classroom or at home.

Digital Pen (For
compatible touch or
2in1 Windows laptop)

Using a digital pen enhances the student's ability to interact with digital content in a more natural and precise manner. A digital pen allows students to take handwritten notes, draw diagrams, and annotate documents just like they would on paper, promoting a more immersive and tactile learning experience.