Minimum Specification Requirements

BYOD 2024

Please make use of the following specifications and recommendations from CSBB Digital Enablement when purchasing a BYO device for your child, to ensure it can be used for 3 years of class work, as per industry standards.

Laptops / Tablets

	Minimum	Recommended
Screen Size	13" - 14"	13" - 14"
Processor	Intel Core i5 - 10th Gen (Or equivalent AMD)	Intel Core i5 - 13th Gen (Or equivalent AMD)
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 10 (excluding Windows 10s) Support for Windows 10 ends in October 2025	Windows 11
Other	• Battery - 6 hr advertised battery life • TPM 2.0 (Required for Windows 11)	• Battery - 6 hr advertised battery life • Biometric Technology (used for Windows Hello) • TPM 2.0 (Required for Windows 11)
Warranty	3-year warranty	3-year warranty with accidental damage protection

Apple

	Minimum	Recommended
MacBook Air* MacBook Pro*	MacOS - Monterey 12.5.1 or Higher *Specs - Equivalent to Minimum laptop or tablet requirements	MacOS - Ventura 13.5 or Higher *Specs - Equivalent to Recommended laptop or tablet requirements
iPad	8th Gen 128GB Minimum WiFi Version Only	9th Gen 256GB Minimum WiFi Version Only Apple Care+ Plan Protective cover

Laptops & Macbooks - Details

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 equivalent AMD)

Recommended:
Intel Core i5 – 13th Gen
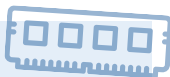(Or equivalent AMD)

Having an i5 processor strikes a balance between performance and affordability. The i5 processor offers sufficient power to handle various educational tasks, including web browsing, document editing, and multimedia consumption.

Compared to the 10th gen, the 13th gen i5 processor offers significant performance improvements, better energy efficiency, and enhanced multitasking capabilities.

Memory

Minimum:
8 GB RAM

Recommended:
16 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.

16 GB of RAM offers significant advantages over 8 GB for students with higher computing demands. With 16 GB, students can handle more resource-intensive tasks simultaneously, such as running complex simulations, using design software, or working on large media projects.

Storage

Minimum:
256 GB SSD

Recommended:
512 GB SSD

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

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

Recommended:
Wi-Fi 6E (802.11ax)

Wi-Fi 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.

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

Operating System

Windows 10 or
Windows 11

MacOS - Monterey
12.6.8 or higher

Having a recent Operating System 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 advertised
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.

Warranty

Minimum: 3-year warranty	Having a 3-year warranty is essential as it provides long-term protection and support for students' BYOD devices.
Recommended: 3-year warranty with ADP	3-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.

iPads - Details

iPads

Minimum: 8th Gen 128 GB WiFi version Only	The 8th gen iPad offers improved performance, better graphics capabilities, and longer battery life compared to older models. The benefit of WiFi only iPads is there are no additional complexities associated with managing cellular data connections. This simplicity makes it easier for CSBB implement security measures effectively.
Recommended: Apple Care+ plan	Having an AppleCare+ plan for an iPad is highly recommended because it provides an extra layer of protection and peace of mind for both students and parents. With AppleCare+, students can have their iPad covered for up to two incidents of accidental damage, subject to a service fee.
Recommended: Protective Cover	Protective covers for devices offer several important benefits. They provide an extra layer of defence against accidental drops, spills, bumps and scratches, ensuring the device remains in good condition and extends its lifespan. This is especially crucial for students who may transport their devices frequently between home and school.

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.
External iPad Keyboard	As more features are added to the Apple iPad and iPad Pro, they're becoming a more useful and flexible tool. Typing on a touch screen can be challenging, so there are keyboards specifically designed for iPads that you can use to enhance the student typing experience. Many of the best keyboards come in folio cases, so you'll have to make sure it fits your specific device, while others are stand-alone keyboards, so you can use them as long as they have Bluetooth support.
Stylus (For Laptop)	Using a stylus enhances the student's ability to interact with digital content in a more natural and precise manner. A stylus 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
Apple Pencil (for MacBooks and iPads)	An Apple Pencil is a powerful tool for seamless and intuitive digital creativity and learning. The Apple Pencil's precision and pressure sensitivity make it ideal for taking detailed notes, sketching, annotating documents, and engaging in creative projects. Its natural writing and drawing experience mimic traditional pen and paper, allowing students to express their ideas more effectively.
Non-Apple Stylus Brands	Non-Apple stylus brands offer versatile and cost-effective options for BYOD devices. With compatibility across various platforms, ergonomic designs, and unique features, these styluses provide students with a seamless and affordable way to enhance their digital creativity and learning experience.