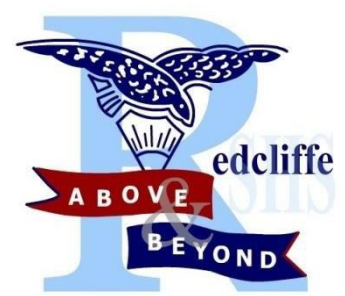


# Redcliffe State High School

## BYOd Specifications - 2024



Redcliffe SHS recommends that all laptops used by students meet the minimum specifications below to enable suitability for curriculum-based activities. The minimum specifications provided reflect the requirements for running classroom software and connecting to our BYOd Solution, Microsoft Intune.

### Device Selection

There is a huge selection when shopping for computers. Consideration should be given to the following list. We encourage you to read below for further information on each. The school provides a purchase option through The School Locker at North Lakes. Suitable devices which adhere to the school's specifications are given on the Redcliffe State High School Portal, however other options are available for devices.

- **Screen size:** As this is a tool used in the classroom, it is impractical to have a screen that is too small. Be aware that touchscreen devices all offer an on screen keyboard but this can potentially stifle the learning process by not offering enough screen space to show document contents. Minimum screen size of 12 inches is required.
- **Keyboard:** Some students prefer the improved posture and typing experience that an attached or external keyboard can offer. With the more recent trend of touchscreen devices, manufacturers are offering the user more choice than just on-screen keyboards. Keyboards can now connect via Bluetooth or can even optionally attach or detach from the device. For this reason a keyboard is recommended.
- **Portability:** The physical dimensions of the device is an important consideration as your son/daughter will need to carry the device from home to school and then from class to class during the day.
- **Battery Life/CPU:** Quite a few factors influence battery life. Batteries usually have a limited lifespan of 3-5 years. Higher speed processors tends to use the battery faster. Optimize battery life through not using it outside of class, minimizing the screen brightness and setting the laptop to battery saver mode.
- **Connectivity:** Students will connect to the RSHS network via Wi-Fi. Access to the internet outside this is achieved via your home Wi-Fi network.
- **Storage:** In the past, laptop/pc storage relied on spinning disk hard drives (HDDs). Newer technology solid state drives (SSD) allow for faster boot up times, and are more power efficient. Ensure you get a laptop with enough storage for the student's files and programs, and with a drive that supports quick startup times. eMMC and SD storage options can be much slower and impact usage in the classroom.

### Other Considerations

- **Padded Carry Case:** The school recommends a separate case to the standard school bag. These protect the device from drops, and keep out dust and moisture which reduce the lifespan of the device.
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- **Backup Solution:** Having backups of your files is important to avoid losing work. Education Queensland provides Microsoft OneDrive for free to students, which both saves files in the cloud and also tracks file history for if work is accidentally deleted.
- **Virus Protection:** Windows 10 and 11 have Windows Defender built in, which will protect students using their laptop for school and study. It's worth considering additional antivirus for students more active online. Please note VPN-based antivirus interferes with network access at Redcliffe SHS, and is not supported.
- **Price:** Price is not just how much something costs, but also how long it will last. A student who takes good care of their belongings may get many more years usage out of an expensive device.
- **Extended Warranty:** Many manufacturers offer an extended warranty for up to three years after the date of purchase to protect against hardware failures/defects. Check with the seller if this warranty covers Accidental Damage & hardware replacement.
- **Laptop Insurance:** Used to protect against theft, accidental damage (dropped, liquid spills, falling off the roof of moving vehicles, etc.) The school highly recommends that you review your Home and Contents Insurance policy.

Year 7 -12 BYOd Specifications	
Operating System	Windows 10/11 Version 22H2 or newer macOS 13 Ventura or newer
Memory	Minimum 8GB of RAM, recommend 16GB for 10/11/12
Storage Capacity (SSD)	Minimum 256GB, recommend 480GB years 10/11/12
Screen Size	Minimum screen size of 12 inches
CPU	Minimum Intel i3 OR AMD Ryzen 3 OR Apple M1, Recommend Intel i5 or AMD Ryzen 5 for 10/11/12
Wireless Connectivity	Support 5GHz WiFi (802.11g or newer)
Battery Life	Minimum 6 hours battery life
Ports	At least 1 USB Type-C port, display output (HDMI/VGA)
Camera	In-built camera required
Antivirus	Up to date antivirus software <ul style="list-style-type: none"> <li>▪ Windows Defender - Updated</li> <li>▪ Third-party Antivirus (not VPN-based)</li> </ul>
Administrator rights	Students must be given administration rights to install Wifi Certificates & Printers
Extras	<ul style="list-style-type: none"> <li>▪ Headphones (must be named)</li> </ul>
Recommended	<ul style="list-style-type: none"> <li>▪ Keyboard recommended</li> <li>▪ Mouse attachment at student's discretion</li> <li>▪ 3 year warranty &amp; ADP recommended</li> <li>▪ Protective casing with a portable bag recommended</li> <li>▪ Maximum weight - 2 kg</li> <li>▪ Laptops must be named within the settings with the student's first name and last name prior to bringing it to RSHS</li> </ul>
Unsupported Devices – cannot be onboarded at Redcliffe SHS	<ul style="list-style-type: none"> <li>▪ iPads are unable to run all required apps</li> <li>▪ Google Chromebooks &amp; Android-based devices are not compatible with the network</li> </ul>