

# TURRAMURRA

## HIGH SCHOOL

### Student Device Specifications and Minimum System Requirements



Under the Student Device Program, students in Years 7-12 are expected to bring their own computing device to school every day. This personal computing device needs to meet **Device Specifications** that are recommended by the school and listed below.

The device specifications identify the minimum system requirements/hardware specifications for student devices and offer guidance on some suggested makes and models so that parents are fully informed about requirements

While all devices meet the minimum system requirements/hardware specifications, the school strongly recommends that students **choose a laptop device** to ensure their device maximizes their learning experiences.

Device Type	Windows Laptops and 2-in-1	Mac Laptop	Windows Surface	Chromebook
Operating System	Windows 10	OS X 10.11 or higher	Windows 10	Chrome OS
Wireless (See note below)	5GHz 802.11a/b/g/n	5GHz 802.11a/b/g/n	5GHz 802.11a/b/g/n	5GHz 802.11a/b/g/n
Min Screen Size	11"	11"	10"	10"
Storage Capacity	120 GB Hard Drive (SSD Recommended)	120 GB Hard Drive (SSD Recommended)	120 GB Hard Drive (SSD Recommended)	64 GB Hard Drive (SSD Recommended)
Minimum RAM	8 GB	8 GB	8 GB	8 GB
Minimum Battery Life	6 hours	6 hours	6 hours	6 hours
Suggested Accessories	Protective case/cover Headphones	Protective case/cover Headphones	Keyboard (mandatory) Protective case/cover Headphones	Protective case/cover Headphones
Device Example	HP ProBook 430 G7 Dell Inspiron 5000 2-in-1 Lenovo Yoga C640	MacBook Air 13-inch	Microsoft Surface Pro 7	HP Chromebook x360 Dell Chromebook 3100 Yoga Chromebook C630

The NSW Department of Education wireless network installed in high schools only operates on the 802.11n 5GHz standard.

**Devices with 2.4GHz (802.11a/b/g or 802.11n) will not be able to connect.**

**Ask this question before you buy a device:**

*"The NSW Department of Education has a 5GHz (n) wireless network that uses a full range of channels. Will this device connect on ALL channels in the 5GHz range?"*

**DO NOT purchase a device unless the answer is "Yes".**

## THS Student Device – Minimum Requirements

The device must meet all the following requirements:

<b>Form Factor</b>	Laptop or convertible device <i>A convertible device must have a physical keyboard attachment with separate keys for A – Z and 0 – 9 and which physically move when depressed. It must run one of the specified operating systems.</i>
<b>Physical Dimensions</b>	Minimum Screen Size: 11" Maximum Screen Size: 15"
<b>Operating System</b>	<ul style="list-style-type: none"> <li>• Microsoft Windows 10</li> <li>• Apple MacOS X 10.11 or newer</li> </ul> <b>Note:</b> IOS and Android-based tablets are <b>intentionally omitted</b> from the Hardware Specification.
<b>Wireless Compatibility</b>	Device must have <b>5GHz 802.11a/b/g/n</b> support <i>This may be advertised as "Dual Band Wireless", "802.11abgn", "802.11agn", "802.11ac" or "Gigabit Wireless".</i> <b>Note:</b> Devices marketed as "802.11bgn" probably do <b>not</b> support the required standard.
<b>Battery Life</b>	Advertised battery life of at least six hours
<b>Additional Recommendations</b>	<ul style="list-style-type: none"> <li>• Maximum weight: 2kg</li> <li>• Minimum RAM (laptops): 8GB</li> <li>• Disk configuration (laptops): Solid State disk</li> <li>• Accidental loss and breakage insurance</li> </ul>

**Please take special note of the Wireless Compatibility requirements.** This is the most difficult requirement to verify yourself for Windows laptops. If you are unsure, consider purchasing a recommended device.

### Functional Specification

Additionally, the device must meet all of the following functional requirements pertaining to software:

<b>Operating System</b>	As per the Hardware Specification, above <i>Windows 10, Microsoft Office and Adobe products are provided to all NSW Department of Education students, <b>free of charge</b>. These are most compatible with Microsoft Windows and can be downloaded through the Student Portal. See separate guide for instructions.</i>
<b>Education Software</b>	<ul style="list-style-type: none"> <li>• <b>Web browser:</b> Edge, Google Chrome, Safari.</li> <li>• <b>Word Processor, Spreadsheet &amp; Presentation Package:</b> Examples include Microsoft Office, Apple iWorks, OpenOffice, Google Apps, Microsoft 365.</li> <li>• <b>Mathematical plotting:</b> Using the Wolfram Alpha website.</li> <li>• <b>PDF Reader:</b> Adobe Acrobat Reader or compatible</li> <li>• <b>Flash and Java:</b> Latest versions</li> <li>• Additional subject-specific software may be required.</li> </ul>
<b>Backup</b>	It is recommended that students use their DeO provided Google Drive to backup/store all their files. "Cloud" students must ensure that their files are regularly backed up. Not all "cloud" based solutions will work through the NSW Department of Education network.
<b>Security Software</b>	Windows 10 laptops should run <b>Microsoft Security Essentials</b>

The following suppliers have indicated that they provide devices which meet the minimum specifications. Some may offer educational discounts. Turrumurra High School makes no recommendation toward any supplier.

- Apple
- Dell
- HP
- Lenovo