



Bring Your Own Device (BYOD) Device Specifications and Minimum System Requirements

Device Specifications that are recommended by the school and listed below for BYOD.

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 that the BYOD Program maximises their learning experiences.

Device Type	Windows Laptop	Mac Laptop
OperatingSystem	Windows 10 or higher	OS X 10.14 or higher
Wireless (See note below)	5GHz 802.11n or 802.11abgn or 802.11ac	5GHz 802.11n or 802.11abgn or 802.11ac
Minimum Screen Size	11"	11"
Minimum StorageCapacity	128 GB SSD or HDD	128 GB SSD or HDD
RAM	4 o 8 GB	4 o 8 GB
Minimum Battery Life	6 hours	6 hours
Device Example	HP Probook 11 EE Used by NSW Department of Education Lenovo X131e	11-inch MacBook Air

Please Note:

The DET wireless network installed in high schools only operates on the 5GHz band. Devices with 802.11bgn or 802.11n 2.4GHz only may not be able to connect. See minimum requirements page.

Ask this question before you buy a device for BYOD: *“The NSW Department of Education has a 5GHz only wireless network. Will this device connect to the 5GHz band?”*

Do not purchase a device for BYOD unless the answer is “yes”.

Hardware Specifications

The device must meet all of the following requirements:

Form Factor	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>
PhysicalDimensions	Minimum Screen Size: 11” (laptops) Maximum Screen Size: 15”
Wireless Compatibility	Device must have 5GHz support <i>This may be advertised as “Dual Band Wireless”, “802.11abgn”, “802.11agn”, “802.11ac”</i> Note: Devices marketed as “802.11bgn” do not support the required standard.
BatteryLife	Advertised battery life of at least six hours
Additional Recommendations	<ul style="list-style-type: none"> • Maximum weight: 2kg • Minimum RAM (laptops): 4GB • Accidental loss and breakage insurance • Extended warranty (3years)

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

Software Specifications

The device must meet all of the following requirements:

Operating System	<ul style="list-style-type: none"> • Microsoft Windows 10 or higher - try to keep this updated • Apple MacOS X 10.14 or newer (again, please try to keep this updated) • Microsoft Windows RT <p>Note: <i>The existing Microsoft Office and Adobe products provided on DET laptops may be provided to all DET students free of charge.</i></p>
EducationSoftware	<ul style="list-style-type: none"> • Web browser Google Chrome, Mozilla Firefox, Safari 6 or newer • Microsoft Office - Students can access this licence at no cost via DoE sign in/ account, School can assist.
Backup	<ul style="list-style-type: none"> • Cloud or USB based backup solution <i>Students must ensure that their files are regularly backed up. Note that not all “cloud” based solutions will work through the DET network.</i>
Security Software	<ul style="list-style-type: none"> • Windows 10 or newer laptops should run Microsoft Security Essentials or equivalent • MacOS X laptops should run ClamXav 2 Sentry or equivalent <p><i>Antivirus and antimalware programs must be kept up to date in order to be effective.</i></p> <ul style="list-style-type: none"> • Antivirus such as Norton and mcafee may cause difficulty when attempting to connect To the schools WIFI (please try to avoid these antivirus software)