BYOD System Requirements 2021

The tables of information listed below are designed to assist with any purchasing or selection decisions and will help to ensure that students have the capability to run all school required software.

Minimum Specifications

These are the minimum requirements for the different types of devices. The ultimate purchase decision will also be guided by factors such as budget, weight and the type of tasks that the device will mainly be used for.

Any device chosen must:
- Run the latest version of the Google Chrome web browser
- Sustain a battery charge to last the school day
- Have wi-fi capability of minimum 'g' standard
- Have a built-in camera

Laptops

	Apple	Windows
Processor	Multicore Intel processor or M1	i3, i5, or i7 processor AMD Bulldozer® 64 bit processor
Operating system	Mac OS X v10.13+	Windows 8.1, or Windows 10, 11
Memory	4GB of RAM	4GB of RAM
Storage	128GB with 50% free space	
Display	1280×800 Display 512MB of VRAM	1280×800 Display 512MB of VRAM

Tablets

Screen size	Minimum 200mm - please note that mobile phones are not suitable
Operating system	IPADOS 14 +
Free space	13Gb for texts, media and data

Chromebooks

The current offerings from HP, Dell, Acer and Toshiba are all suitable devices.

Device Comparison Chart

	iPAD AIR / iPAD MINI - $369 to $1200
	
	Strengths • Many students are familiar with iOS
	                • Large number of apps available at low price
	
	Weaknesses • Will not run Flash-based websites
	                • No USB support
	                • A separate keyboard is recommended, especially for students in the senior school
	
	The iPad is a fantastic device that gives the students access to a large selection of software at a very cheap price. They are light and are convenient for browsing the internet. It can be a challenge creating complex documents on this device. There is currently no good solution for accessing websites that require Flash.

	MACBOOK AIR - $1250 to $2500
	
	Strengths • Powerful computer in a lightweight and portable shape
	                • Compatible with most file types
	
	Weaknesses • Have less hard disk storage than a standard laptop. Can be limiting on
	                 very large video projects
	
	A Macbook Air is a light and portable computer that offers the benefits of the Mac OS. They generally provide great battery life and have processors that provide similar performance to the Macbook Pro.
	This is a great option for a student who likes working on a Mac.

	CHROMEBOOK - $299 to $700
	
	Strengths • Economical option
	                • Can do most of the key tasks that students need, especially using Google Apps
	                • Light weight with full keyboard
	
	Weaknesses • Limited on the more multimedia-oriented creative tasks, such as video editing
	                • Works when offline though is largely limited to having an internet connection
	
	This 11-inch laptop is the ultimate in portability with a full size keyboard. It runs on the Chrome OS, and has access to a large number of apps through the Chrome Store. It enables students the efficiency of working in the cloud using Google Apps for Education. In a lot of ways this device has the advantages of a laptop at the price of a tablet.

	WINDOWS LAPTOP - $400 to $2500 Strengths • Great compatibility. Will run more software compared to other operating systems Weaknesses • While light versions are available, the cheaper versions can be heavy Windows laptops are some of the most popular devices available. Try to avoid buying very inexpensive machines, as they can be heavier and have poorer battery life. All new devices now run Windows 10 and generally have touch screens that make better use of newer features.