

**Matthew Flinders Girls Secondary
College
Bring Your Own Device Program
2017
Years 7-12**



Introduction

What is BYOD?

The term BYOD stands for Bring Your Own Device. This essentially means that students are able to bring a personal device to school. This differs from a traditional school laptop program, as students are able to make a choice as to what type of device suits them best for their studies. A student taking up media editing/creation as a pathway will have different device requirements to a student taking up Science or Humanities.

Device Choices:

We realise that choosing a student device can be difficult, there are literally thousands of options available and many possible pitfalls. The easiest pitfall to explain is **if it looks too good to be true, it probably is**. Cheap laptops (\$500 or less) quite often come with sub-par battery life, bad displays and slow processors. They are generally constructed using cheap materials and are very easy to break. It does pay to invest a little more up front and purchase a device that is designed well.

Apple Products:

MFGSC has historically worked exclusively with Apple products. We truly believe they are an excellent choice for school use, generally have all day battery life and work with all the school purchased applications students require at MFGSC. **We highly recommend the purchase of an Apple MacBook or Apple iPad for use at MFGSC**

You can still opt to purchase a non Apple branded device, **or opt to continue using your existing Device**. There is no requirement to replace the device you have if you are content using it.

Non Apple devices will be given "Best Effort" support only. This means that if we cannot get the device working on our network, or it is not powerful/new enough to handle the students work, ICT cannot help any further. It is also an operational health and safety issue to allow students to bring chargers to school. As such you will need to ensure the device can run on battery for an entire school day.

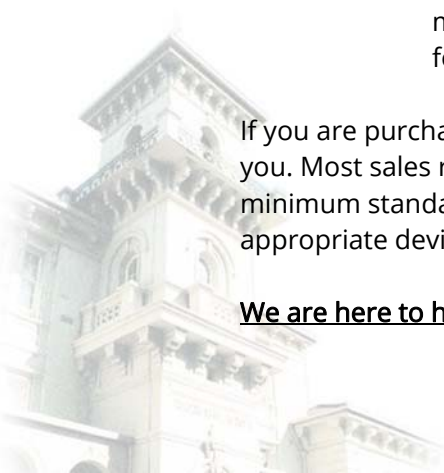
How do we determine a suitable device?

There are 4 factors that determine a good device for school use (In order of importance):

- **It has to last all day on a single charge**
 - Big battery or low powered processor, Battery life is much more important on a student device than powerful features.
- **It has to start up and shut down quick enough to get work done.**
 - All our proposed devices use SSD storage or similar. Put simply, SSD based storage dramatically increases a laptop or tablets overall speed.
- **It cannot be too heavy**
 - All our proposed devices are under 14" and under 2.5KG. It needs to be carried around all day everyday; so 3+ kilo devices are not really suitable.
- **It needs to be able to store enough school work**
 - This really depends on your students overall requirements and pathway. In our testing tablets require less space, but 32GB is really the bare minimum. Laptops will need at least 120GB of space to be appropriate for school use.

If you are purchasing a new laptop, we highly recommend you bring this document with you. Most sales representatives will be able to follow these guidelines, as well as the minimum standards table on the next page, and can assist you with finding an appropriate device.

We are here to help:





The MFGSC ICT team has seen countless different laptops and tablets over the years, and we know what works in our environment. If you have any questions about what device would be suitable, feel free to contact the school, they will put you in touch with a member of the IT department

Minimum Requirements for Laptops or Tablets

If you choose to purchase a device, or bring one from home, the following table will assist you. It details the MFGSC minimum requirements for laptops or tablets. Devices that don't meet these requirements may not be enrolled onto our network, as they are most likely unsuitable, or incompatible with software or apps that students will need.



Laptops

Windows Laptop	Mac Laptop
	
Hardware Requirements	Hardware Requirements
<ul style="list-style-type: none"> • Must be no older than 2014 • RAM: At least 4GB recommended • CPU: Dual core 1.3ghz or higher • WI-FI (Broadcom or Intel recommended!) • A laptop with Solid state or SSD storage is highly recommended. • 6+ Hours battery Life 	<ul style="list-style-type: none"> • Must be no older than 2013 • RAM: At least 4GB recommended • CPU: Dual core 1.3ghz or higher • WI-FI • A laptop with Solid state or SSD storage is highly recommended. • 6+ Hours battery life
Software Requirements	Software Requirements
OS: Windows Windows 8.1 or above (Windows XP/Vista not supported)	OS: Mac OS X 10.10 or above.
Costs:	Costs:
\$40 yearly Intrastructure and support fee	\$40 yearly Intrastructure and support fee

Laptops with Atheros Wireless Cards

Some of the cheaper laptops for purchase today come with a wireless chip by Atheros. We have noted several examples of laptops with this chip causing issues with the MFGSC wireless network. We highly recommend you check with the purchaser if this card is installed on the device you intend to purchase. While we can enrol these devices, we cannot guarantee that wireless access will be reliable.

Tablets:

Windows Tablets	iPads
	

Hardware Requirements	Hardware Requirements
<ul style="list-style-type: none"> 64GB or above (some devices can be expanded via an SD card etc...) 	<ul style="list-style-type: none"> iPad Air or above (or ipad mini 2) 32GB or above
Software Requirements	Software Requirements
<ul style="list-style-type: none"> Windows 8.1/10 (Windows 8 RT Is NOT supported) 	<ul style="list-style-type: none"> Latest IOS version
Costs:	Costs:
\$40 yearly Infrastructure and support fee	\$40 yearly Infrastructure and support fee for subsequent years.

Android, Chrome OS, or Windows RT based tablets are not supported. Please ensure you purchase either an Apple iPad or Windows tablet.

Requirements for all MFGSC BYOD Devices

Anti Virus Tools and Infected Devices.

- It is the student's responsibility to ensure the device we are enrolling is **free of viruses and malware** before the device is enrolled. If MFGSC ICT discovers a virus or malware on the machine, it will be immediately returned to the student. We cannot enrol an infected machine onto our network.
- MFGSC will deploy appropriate antivirus software to your machine, in line with DEECD policies. This antivirus will be System Center Endpoint Protection or Windows Defender, depending on OS version. As part of the enrolment process we may have to remove anti-virus software that you have installed or was shipped with the machine, as they can cause significant issues getting student devices online. **We recommend at purchase time you do not purchase any antivirus software.**

Required Software

- Students will require a copy of Microsoft Office if they are using a windows or Mac. **This can be provided by MFGSC at no cost**, as long as the student is enrolled at MFGSC. This means that when a student completes their studies with us, Microsoft Office must be removed. The software is property of DEECD and MFGSC at all times.
- Apple tablets will require a copy of the iWork and iLife suites, as well as other education software. This will be provided by MFGSC as part of the iPad enrolment fee. You do **NOT** need to purchase any ipad software before school starts.

Backups

- It is the student's responsibility to ensure they take backups of their school work. The ICT team cannot be held responsible for loss of data if something goes wrong with a personal device.
- We recommend the purchase of an external hard disk drive, or large USB storage device to back up data at least weekly. For iPads, ensure you back the device up with iTunes on a PC or mac as often as possible. Alternately you can activate icloud, which will back up documents and settings over the air.
- Feel free to contact ICT if you need help with backing up a personal or BYO device.

Support

- If you have chosen to bring a device not on the MFGSC recommended list, support will be “Best Effort”. We cannot test and ensure every device on the planet will work appropriately in a school environment. If the device cannot be enrolled, or causes problems for MFGSC ICT, we may need to remove wireless access and return the device to you.
- Any hardware issues with a device, will need to be brought up with the supplier of said device. For example if you bought a mac from Geelong Technology Group, and it has a hardware failure, they will service the device for you. MFGSC can assist with diagnosis of a fault only
- MFGSC can and will assist with software issues. If the device requires a factory reset students must ensure the device is backed up.

Inappropriate Content on Personal Devices

- If ICT discover any inappropriate content (background images/illegal software etc.) on the student’s device, appropriate action will be taken with the school principal. It is the student’s responsibility to ensure all content on their personal device is safe and appropriate for a school environment.

