



Subject Specific DEVICE RECOMMENDATIONS

TECHNOLOGY BYOD

"Each of you should use whatever gift you have received to serve others,
as faithful stewards of God's grace in its various forms" - 1 Peter 4:10

Subject Specific Device Recommendations

SUITABLE DEVICE FOR STUDENTS IN YEARS TEN TO TWELVE

GENERAL DEVICE RECOMMENDATIONS

This document is intended to serve as a guide to aid in the selection of a suitable device for students in Years Ten to Twelve.

In general, device requirements vary depending upon the student's individual classes. For the majority of subjects, a device that supports the latest operating system, an internet browser and word processing applications is all that is needed. However, some subjects may require students to be able to access more specific programs in order to complete classwork. Whilst these devices and programs are usually provided by the school for students to work on during class time, it can be beneficial and sometimes essential, for students to have access to these resources outside of school hours so as to ensure students can adequately complete tasks that are time-consuming.

As such, below is an explanation of the required programs and system specifications for subjects with essential device recommendations.

Minimal General Recommendations

	Apple or Windows Device
Programs	Word Processing Internet Browser
Storage	32GB
OS	Support recent MacOS or Windows

The following subjects have additional recommendations:

- Film & TV
- Music
- Visual Art, Arts in Practice & Drama
- Physical Education
- Design
- Industrial Graphics
- Digital Solutions

FILM & TV

Film & TV requires students to capture and edit significant amounts of high-quality footage. The school provides iMac's with Final Cut Pro installed which students have access to during class time and occasionally at other organised times. However, as editing is such a time-intensive process, the ability to be able to edit at other times is very beneficial.

The program that students will be using most in class is Final Cut Pro which runs exclusively on the Apple MacOS operating systems. It will not run on Windows machines. If your student is committed to editing on Windows, Adobe Premiere is the most direct alternative to Final Cut Pro. Both programs require a recent spec Apple or Windows laptop.

Tablets are not powerful enough, however, they are very useful in class work. As students are often capturing footage, Apple products (including iPhones) are compatible with our school's hardware, so they are recommended. The school has some cameras available which can be used for filming, however, students are expected to supply their own SD cards.

**If you have any further questions, please contact:
Subject Teacher**

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HOD

Simon Ratcliffe s.ratcliffe@mueller.qld.edu.au

Minimum BYOD Recommendations

	Apple Laptop	Windows Laptop
Programs & Costs	Final Cut Pro - one off cost	Adobe Premiere Pro - one off cost
RAM	16GB	16GB
Storage	512GB SSD	512GB SSD
Processor	i7	i7 (8th Gen Intel preferred)
OS	Latest MacOS	Windows 64-bit
GPU		Dedicated 2GB+VRAM GPU recommended
Additional Requirements	SD Card (min16GB, Class 10 Speed)	SD Card (min16GB, Class 10 Speed)

MUSIC

The program Sibelius Ultimate is provided by the school and can be accessed on school devices. However, it is beneficial for students to have this on their private devices to allow them to perform composition works outside of school hours on their own devices. A tablet is not sufficient so an Apple or Windows laptop is necessary.

If you have any further questions, please contact:

Subject Teacher

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HOD

Simon Radcliffe s.ratcliffe@mueller.qld.edu.au

Minimum BYOD Recommendations

	Apple or Windows Laptop
Program & Costs	Sibelius Ultimate - School purchases licence
RAM	8GB
Storage	256GB SSD
Processor	i5
OS	Latest MacOS or Windows 64-bit

VISUAL ART, ARTS IN PRACTICE & DRAMA

These subjects require students to document the development of works and provide quality images. Therefore, it is useful for students to own a device with the ability to record audio and visual content. Cameras and other devices are available in class, but a personal device with these capabilities can improve time management and organisation.

If you have any further questions, please contact:

HOD

Simon Ratcliffe s.ratcliffe@mueller.qld.edu.au

Minimum BYOD Recommendations

	Apple or Windows Laptop
RAM	8GB
Storage	256GB SSD
Processor	i5
OS	Latest MacOS or Windows 64-bit
Additional Requirements	Ability to capture quality photos and film

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PHYSICAL EDUCATION

At times, PE requires students to capture and edit footage. Tablets are handy for capturing footage, however, for editing footage, laptops are recommended over tablets. Students are able to do the required trimming of footage in the default programs that come with Apple and Windows products such as Keynote or PowerPoint. However, an Apple laptop running iMovie or a Windows laptop running an equivalent editing program such as Microsoft Photos can make the process smoother. The school has some cameras available which can be useful when filming class work, though many students prefer to use their tablet.

If you have any further questions, please contact:

Subject Teacher & HOD

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Minimum BYOD Recommendations

	Apples or Windows Laptop
Programs & Costs	iMovie or Microsoft Photos - Free Keynote or PowerPoint - Free
RAM	8GB
Storage	256GB SSD
Processor	i5
OS	Latest Windows 64-bit

DESIGN

The school provides access to devices that the students can work on at school. Students may want a device to work on outside of class but this is not a mandatory requirement as, in our experience, students have enough time to complete the majority of coursework in class with the school's provided devices. Some of the additional programs that are beneficial but not essential for students to have are AutoDesk Inventor, AutoDesk Revit, Adobe Photoshop, Adobe Acrobat DC Pro and Flashprint. The Apple MacOS operating system is not compatible with some of the programs used in Design, and therefore not recommended. A decent PC laptop with an i7 chip (the i7 is highly recommended over the i5), at least 8GB of RAM and if possible, a separate graphics card should suffice.

If you have any further questions, please contact:

Subject Teacher & HOD

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HOD

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Minimum BYOD Recommendations

	Windows Laptop
Programs & Costs	AutoDesk Inventor -Free AutoDesk Revit - Free Flashprint - Free Adobe Photoshop & Acrobat Pro
RAM	8GB
Storage	512GB SSD
Processor	i7 (8 th Gen Intel preferred)
OS	Latest Windows 64-bit
GPU	Dedicated 2GB+ VRAM GPU recommended

INDUSTRIAL GRAPHICS

The school provides access to devices that the students can work on at school. Students may want a device to work on outside of class but this is not a mandatory requirement as, in our experience, students have enough time to complete all coursework in class with the school's provided devices. Two programs recommended for students to have on their own device are AutoDesk Inventor and AutoDesk Revit. It is also beneficial for students to have Flashprint for 3D design and printing. The Apple Mac OS operating system is not compatible with some of the programs used in Industrial Graphics, and therefore not recommended. A decent Windows laptop with an i7chip (the i7 is highly recommended over the i5), at least 8GB of RAM and if possible, a separate graphics card should suffice.

If you have any further questions, please contact:

Subject Teacher & HOD

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Minimum BYOD Recommendations

	Windows Laptop
Programs & Costs	AutoDesk Inventor - Free AutoDesk Revit - Free Flashprint - Free
RAM	8GB
Storage	512GB SSD
Processor	i7 (8 th Gen Intel preferred)
OS	Latest Windows 64-bit
GPU	Dedicated 2GB+ VRAM GPU recommended

DIGITAL SOLUTIONS

In Digital Solutions, it is handy to have both a tablet with scribe capability (iPad + Pencil / Surface + Surface Pen) and a laptop. A laptop is an essential requirement as a tablet by itself will not meet course requirements. If students already have either an iPad or Surface, it's recommended to stick within the same family and get an Apple or Windows laptop respectively so that they talk to each other. If students do not currently have a personal device, an Apple laptop is recommended. Apple products are used a lot at school and using technologies such as Airplay and Airdrop is very handy for file distribution and presentation.

Some of the programs that are essential for Digital Solutions are Unity3d + Visual Studio, MAMP & Atom. Having Adobe CC is also beneficial. All of the programs listed are free, with the exception of Adobe CC which is an optional program that some students use to create graphics. Of the above-mentioned programs, Unity 3d requires the most computing power. The general system requirements to run it are as follows.

If you have any further questions, please contact:

Subject Teacher

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Minimum BYOD Recommendations

	Apple or Windows Laptop
Programs & Costs	Unity 3d+ Visual Studio - Free MAMP - Free Atom - Free Adobe CC - Monthly Subscription
RAM	16GB
Storage	512GB SSD
Processor	i7 (8 th Gen Intel preferred)
OS	Latest MacOS or Windows 64-bit
GPU	Dedicated 2GB+ VRAM GPU recommended

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