

BYOx Device Guide 2023



MANGO HILL
STATE SECONDARY COLLEGE



BYOx Device Guide 2023

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We've simplified the process for parents and caregivers when choosing a BYOx device for your child.

Please review our minimum device specifications to ensure that the iPad or laptop you choose will be adequate for your student to use for several years to come. **The cheapest devices to buy may not be the most economical over the life of the laptop** (usually minimum 3 years depending on individual use). Consider included components, technical support, warranty and accidental damage arrangements. Upgraded laptop specifications will generally provide better performance over a longer period of time, depending on individual usage.

In order to use a BYOx device at the College there are also **a number of apps and settings that must be maintained by the parent/carers and/or student.**

A list of apps and key software programs are included in below. Most will be free; however there may be some that will have a small cost. The college will advise parents/carers if any new apps or books are required during the year.



Junior Secondary BYOx – Year 7 to 9 – iPads

Technical Specifications

iPad 9th Gen (WIFI Only)	iPad Air (WIFI Only)
Minimum 32gb (Ideally 128gb)	Minimum 64gb (Ideally 256gb)
COMPULSORY ACCESSORIES:	COMPULSORY ACCESSORIES:
<ul style="list-style-type: none"> • Protective case • Screen protector • Wired headphones (i.e non-bluetooth headphones) 	<ul style="list-style-type: none"> • Protective case • Screen protector • Wired USB C headphones (i.e non-bluetooth headphones)
HIGHLY RECOMMENDED EXTRAS:	HIGHLY RECOMMENDED EXTRAS:
<ul style="list-style-type: none"> • Apple Pencil or other iPad compatible stylus (w/ 'palm rejection') • Keyboard • Warranty and/or additional insurance to cover damage 	<ul style="list-style-type: none"> • Apple Pencil or other iPad compatible stylus (w/ 'palm rejection') • Keyboard • Warranty and/or additional insurance to cover damage

- Previously purchased models including 7th or 8th generation iPads for continuing students may still adequate devices for 2023. Devices require at minimum iOS version 14.0 to onboard. Note that software and apps must be maintained as per charter expectations, and adequate storage space for learning apps and classwork is required.
- The screen size of the iPad Mini limits learning tasks as they increase in depth and complexity. It does not support teaching and learning needs of students at the College and is not compatible with NAPLAN Online.

We do not recommend the purchase of a cellular enabled device.

A Wi-Fi only model will reduce the cost of the device significantly without compromising the student's ability to complete college tasks.

Students are required to access the internet and resources through the College's Wi-Fi network only while at the College. **Use of cellular data while at college is in breach of the College's Student Code of Conduct**












Accessories

An Apple Pencil or similar stylus allows students to annotate on screen, take notes, sketch ideas, mark up documents and show working out and thinking during the learning process. There are various models and price points that will allow students to engage with 'hands on' annotations across their junior subject areas. 'Palm Rejection' capacity is a highly recommended feature and model compatibility should be referenced when purchasing.

Apple Pencil	Logitech Crayon	Capacitive Stylus (or similar)
		
RRP. \$150	RRP. \$130	RRP. \$40-\$50













Required iPad Apps

iPad Application		Cost	iTunes Link	Details
	Company Portal	Free	https://apps.apple.com/au/app/intune-company-portal/id719171358	NOTE: Download but DO NOT open. Required for College onboarding, pushing/pulling of subject specific apps and management of student devices on school network
	Notability	\$17.99 (annually)	https://itunes.apple.com/au/app/id360593530	NOTE: Changes to Notability costs now means the app has an ongoing annual subscription cost. Goodnotes has equal functionality with a one-off cost to purchase. Students require AT LEAST ONE of these paid note taking apps.
	OR Goodnotes 5	\$12.99	https://apps.apple.com/au/app/goodnotes-5/id1444383602	
	Showbie	Free	https://itunes.apple.com/au/app/id548898085	Used by over 2 million teachers and students worldwide, Showbie is the fastest, easiest, and most effective app for assignments and feedback in your iPad classroom.
	Compass School Manager	Free	https://apps.apple.com/au/app/compass-school-manager/id778415974	Compass School Manager provides access to school news, events, upcoming assignments and more.
	Book Creator	\$7.99	https://itunes.apple.com/au/app/id442378070	Book Creator is the simple way to make your own beautiful eBooks, right on your iPad.
	PhET Simulations	\$1.49	https://apps.apple.com/au/app/phet-simulations/id1134126831	Engage in learning science and math with the award-winning PhET simulations! Whether understanding atoms, exploring energy, or mastering multiplication, there is a sim for every learner.
	Jacaranda Plus eBook Bookshelf	Free	https://itunes.apple.com/au/app/id757590073	The JacarandaPLUS Bookshelf Application is a free companion Application to your jacPLUS 7-10 online Digital Bundle.
	Socrative Student	Free	https://itunes.apple.com/au/app/id477618130	Students share their understanding by answering formative assessment questions in a variety of formats: quizzes, quick question polls, exit tickets and space races.
	Clickview	Free	https://itunes.apple.com/au/app/id455625815	ClickView is an advanced video solution for education. It provides thousands of educational videos designed for the Curriculum and accessible through the BYOD-friendly video platform.
	Kahoot	Free	https://apps.apple.com/au/app/kahoot-play-create-quizzes/id1131203560	Create your own quizzes in seconds, play anywhere, anytime, on your own or with friends, have fun and LEARN! Kahoot! unleashes the magic of learning for students, teachers, office superheroes, trivia fans and lifelong learners.
	The Calculator	Free	https://apps.apple.com/au/app/the-calculator/id398129933	For work, school and home. Basic calculator and a scientific mode for more extensive math
	NAP Locked down browser	Free	https://apps.apple.com/au/app/nap-locked-down-browser/id1086807255	The NAP Locked down browser allows students to securely participate in NAPLAN and NAP Sample tests on the Online National Assessment Platform.
	Playground Physics	Free	https://apps.apple.com/us/app/playground-physics/id947124790	Discover and explore the physics in your own movements. Record a video of you or your friends, tap points along the way to trace a path of motion, and discover the motion, forces, and energy involved.

Compulsory Cross-curricular Apps

These apps will be used consistently across curriculum areas.
NOTE: Paid apps are required in paid form to allow for full functionality



iPad Application		Cost	iTunes Link	Details	
Compulsory Apple Apps These are free with Apple iPad devices. Please ensure they are loaded and available.		Apple Pages	Free	https://itunes.apple.com/au/app/id361309726	Pages is a word processor on a mobile device. The processor helps you create reports, resumes, and documents in minutes.
		Apple Numbers	Free	https://itunes.apple.com/au/app/id361304891	Numbers is an innovative spreadsheet application created exclusively for iPad, iPhone, and iPod touch
		Apple Keynote	Free	https://itunes.apple.com/au/app/id361285480	Keynote is a presentation application designed for a mobile device. Built from the ground up for iPad, iPhone, and iPod touch, it helps to create world-class presentations.
		Garage band	Free	http://itunes.apple.com/au/app/id408709785	GarageBand turns your iPad, iPhone, and iPod touch into a collection of Touch Instruments and a full-featured recording studio — so you can make music anywhere you go
		iMovie Movie	Free	https://apps.apple.com/au/app/id377298193#?platform=ipad	With a streamlined design and intuitive Multi-Touch gestures, iMovie lets you create Hollywood-style trailers and beautiful movies like never before.
		Apple Clips	Free	https://apps.apple.com/au/app/clips/id1212699939	Clips is a free app for making fun videos. With a few taps you can create and send a video message or tell a quick story with artistic filters, animated text, music, emoji and fun stickers.
		Measure	Free	https://apps.apple.com/au/app/measure/id1383426740	Turn your iPhone or iPad into a tape measure with Measure. Measure enables you to quickly gauge the size of real objects, a person's height and it can automatically provide the dimensions of rectangular objects
Compulsory Microsoft Suite Free annual subscription for Department of Education Students NOTE: Some applications such as Teams, Sharepoint and OneDrive can be accessed through the Office 365 Suite provided to all students.		Microsoft Word	Free	https://apps.apple.com/au/app/id586447913	The trusted Word app lets you create, edit, view and share your files with others quickly and easily. Send, view and edit Office docs attached to emails from your phone with this powerful word processing app from Microsoft.
		Microsoft Excel	Free	https://apps.apple.com/au/app/id586683407	Microsoft Excel, the spreadsheet app, lets you create, view, edit and share your files quickly and easily. Manage spreadsheets, tables and workbooks attached to email messages from your phone with this powerful productivity app from Microsoft.
		Microsoft PowerPoint	Free	https://apps.apple.com/au/app/id586449534	The PowerPoint app gives you access to the familiar slideshow maker tool you already know. Create, edit, view, present or share presentations quickly and easily from anywhere.
		Microsoft OneNote	Free	https://apps.apple.com/au/app/id410395246	Capture your thoughts, discoveries, and ideas and simplify overwhelming planning moments in your life with your very own digital notepad.
		Microsoft OneDrive	Free	https://apps.apple.com/au/app/id477537958	Get to and share your documents, photos, and other files from your iOS device, computer, and any other devices you use. Use the Office mobile apps to stay productive and work together, no matter where you are.
		Microsoft Outlook	Free	https://apps.apple.com/au/app/id951937596	Outlook lets you bring all of your email accounts and calendars in one convenient spot.
		Microsoft SharePoint	Free	https://apps.apple.com/au/app/microsoft-sharepoint/id1091505266	Find files, news, sites and people - personalized for you and your organization.



Senior Secondary BYOx – Year 10 to 12 – Laptops

The College recommends that a device be chosen that meets the minimum specifications below and enables suitability for curriculum based activities. Some subjects (e.g. Technology and Design; Film and Television; Visual Arts; Music; Digital Technologies) use specialized software (e.g. for computer aided design or CAD; image and video editing software; animation; virtual reality; music composition) which requires upgraded hardware components to run efficiently on the laptop. More information about specific software used in subjects can be obtained from the Senior Schooling Course Guide or the respective Head of Department.

Please note ChromeBook, Surface RT or Windows S mode are not supported by the College BYOx.

Technical Specifications

Windows Devices			
	Minimum <i>*Minimum requirements to connect to the school network</i>	Medium <i>*Suitable for efficient use of the device</i>	High <i>*Suitable for seamless use of the device</i>
Operating System	Windows 10 64-bit OR Windows 11 64-bit		
Battery Life	Minimum 7 Hours on Balanced Power Mode		
Screen Size	Minimum 11" Screen		
Ports	At least one USB port, audio in/out to connect wired headphones		
Memory	8GB	8GB or more	16GB RAM
SSD	128GB or more	256GB or more	256GB or more
Graphics	Onboard	Onboard or more	Onboard or more
Processor	Intel i3 or AMD Ryzen 3	Intel i5 or AMD Ryzen 5	Intel i5/i7 or AMD Ryzen5/7
CPU Speed	2GHz or more	2.1GHz or more	3GHz or more
Wireless Connectivity	802.11ac	802.11ax or 802.11be	
Approx. cost	\$700 - 1000	\$1000 - 1300	\$1300 +
Mac Devices			
	Minimum <i>*Minimum requirements to connect to the school network</i>	Recommended	
Apple Model	MacBook Air or Pro (2020)	MacBook Air or Pro (2022)	
Battery Life	Up to 8 hours	Up to 18 hours	
Screen Size	13" Screen		
Operating System	MacOS Big Sir 11.6 <i>*Minimum version supported to onboard. Subject to change by Microsoft in the future</i>	MacOS 12 Monterey	
Processor	M1	M1/M2	
Memory	8 GB or more	8GB or more	
SSD	256GB or more	256GB or more	
Graphics	Integrated		
Wireless Connectivity	WiFi 5 or WiFi 6	WiFi 6	
Approx. cost	\$1499 +	\$1899 - \$1999	



Accessories

The College highly recommends the following accessories to support REAL Learning for Tomorrow in Senior Secondary.

COMPULSORY ACCESSORIES

- **Headphones** with microphone to suit laptop
- **8-16GB USB flash drive**
- **Hard protective water-resistant laptop case** to suit laptop model.
NOTE: Rubber sleeves DO NOT provide adequate protection for laptops. Warranty and/or accidental damage insurance could be voided if a suitable case is not used, or if laptops are placed directly into student bags without a case. The case should be strong enough to protect the laptop inside the student's school bag
- New Apple laptops only – USB adaptor to suit laptop model

COMPULSORY SOFTWARE

- **BYOx Link (Microsoft InTune)** - used to on-board devices to the College wireless network. Information is emailed to parents/carers and students at the start of each academic year
- **Office 365 ProPlus\Office 2016** or later version (free for state school students) (Access and download off campus <https://learningplace.education.qld.gov.au/microsoft-office-software>)
- **Internet browser** *NOTE: Microsoft Edge is the default Windows 10 browser; Safari is the default MacOS browser. Students should also install Google Chrome and Mozilla Firefox as alternative browsers as different sites work better with different browsers*
- **Security software suite** with anti-virus and anti-malware e.g. Nortons by Symantec, McAfee, Avira

HIGHLY RECOMMENDED ACCESSORIES

- **Mouse** (USB or wireless)
- Minimum **3 year warranty with next day on-site support**. *NOTE: Parents/carers should investigate Australian Consumer Law prior to purchasing additional warranty and seek clarification from vendors what repairs and/or replacements would be covered under this law*
<https://www.accc.gov.au/consumers/consumer-rights-guarantees/warranties>
- Minimum **3 year Accidental Damage insurance**
- **Backup up storage device** e.g. USB or external drive (size depends on amount and size of files)

Required software programs

A comprehensive list of required software will be released by the end of the 2021 academic school year. Most subject specific software will be provided by the College through the Student Resource Scheme (SRS) and/or subject specific levies.

NOTES:

- Security software may impact on the ability to connect student BYOx laptops to the state-wide Department of Education wireless network. Students need to be able to turn off security software if required (local administrator permissions), else parents\carers (with username and passwords) will need to come with the student to iServices to connect the laptop (8 am recommended).
- Microsoft Family and Qustodio (MacOS) do not allow students to connect their BYOx laptops and should not be installed.



Purchasing Portals



unlock their potential.



officeworks

To assist in the purchase of devices, the College utilises purchasing portals.

School Locker, Officeworks and JB Hi-Fi have constructed online purchasing portals that supply devices and software with educational discounts. Compulsory and highly recommended accessories are also available through these purchase portals.

Please note that the below online purchasing portals must be utilised for additional discounts and support. In-store purchases can be made however; costings may differ.

Note: The College is not involved in the private transaction between parents and the vendors listed below

Apple also provides in store and online support for all Apple products, regardless of where they are purchased. You can find out more information about Apple Support and Apple Care Products at <https://support.apple.com/en-au>



JB HI-FI

www.jbeducation.com.au/byod

School Code : **MANGOBYOD2023**



officeworks

<https://www.officeworks.com.au/education/byod>

Search for Mango Hill State Secondary College and select your child's current school year.



the School Locker

unlock their potential.

<https://theschoollocker.com.au/schools/mango-hill-state-secondary-college/technology>

Then 'Create An Account' so access the portal.