Kelvin Grove State College
The Pursuit of Excellence With All Our Might

Bring Your Own Device (BYOx) Program 2022
Year 6 to 12

It is recommended that you print this flyer to take with you when investigating laptops to purchase

Please see the BYOx Program Information Handbook on the College website
https://kelvingrovesc.eq.edu.au/facilities/computers-and-technology)

What does my student need to bring to school each day?
- A Windows or Apple laptop that meets the minimum specifications as listed below
- Other required items listed below – **all must be named to allow the owner to be easily identified**

NOTE: Participation in the BYOx Program is a condition of participation in Academic Achievers and Music Excellence Programs. Students in these programs are not eligible for the College BYOx Equity Program.

Why Laptops?
- Standardised teaching and learning environment for staff and students
- Compatibility with College owned computers to minimise connectivity issues
- Students can create and use a wide range of digital content across all curriculum areas
- Most suitable and cost effective device to meet all curriculum requirements at this point in time
- Minimum specifications would usually provide a three year laptop lifespan subject to individual use

Minimum specifications for Laptops:
- Windows **OR** Apple laptop *NOTE: Apple laptop required for students choosing to enrol in Music Excellence*
- **Laptop Size:** minimum 11 inch size *NOTE: maximum 13" recommended to avoid breakage and minimise weight*
- **Operating system:** Windows 10 64 bit **OR** Apple OS Catalina 10.15
- **Battery:** 6-8 hour battery life
- **Processor:** Intel Core i5 9th Generation or Apple equivalent
- **Display:** FHD (1920x1080) – 1080p or higher
- **Graphics:** Intel UHD Graphics 620 or higher *NOTE: Newest Apple laptops do not come with VGA or HDMI ports – an adaptor must be purchased if students need to connect to data projectors or digital televisions e.g. for assessment presentations*
- **Memory:** 8GB or higher
- **Storage:** 256GB solid state hard drive (SSD) *NOTE: 512GB is recommended if using an optional dual boot setup on an Apple laptop. If storing a large number of audio/video etc. files, consider purchase of a minimum 500GB external hard drive.*
- **Ports:** 2 USB ports (additional or an external USB hub is recommended especially if a mouse is being used) *NOTE: Newest Apple laptops come with USB-C ports – a suitable adaptor will need to be purchased to enable a USB 2.0/3/0 device to be plugged in*
- **Network connectivity:** Dual Band AC compatible Wireless - 5GHz *NOTE: laptops which only have 2.4 Ghz wireless connectivity will not connect to the Department of Education wireless network*
- Integrated speakers and microphone and webcam (standard in laptops)

What if my student wants to run specialist software that requires higher specifications?
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 through each subject Head of Department by emailing BYOx@kelvingrovesc.eq.edu.au.

If your student wishes to install and use higher end software programs on their BYOx laptop, it is recommended that the following hardware components be upgraded **at the time of purchase**:
- **Processor:** Intel Core i7 10th Generation or Apple equivalent
- **Graphics:** Dedicated (built-in) Graphics Processing Unit (GPU)
- **Memory:** 16GB or higher
- **Storage:** 512GB solid state (SSD) hard drive; additional minimum 500GB external hard drive for backup and storage of large files recommended

Other required items:
- Headphones with microphone to suit laptop
- 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 e.g. if a heavy item lands on it*
- New Apple laptops only – USB-C adaptor to suit laptop model for USB 2.0/3/0 devices

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Required software: *See https://kelvingrovesc.eq.edu.au/facilities/computers-and-technology/software-for-students*

- BYOx Link (Microsoft InTune) for connectivity to the wireless network – information will be emailed to parents/carers and students just prior to the start of the new school year
- Security software suite with anti-virus and anti-malware e.g. Nortons by Symantec, McAfee, Avira
  NOTES:
  - *Cyber security experts recommend that free security software, including anti-virus software, not be used*
  - *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 the Student Tech Hub in the Middle Senior Library 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.*
- Office 365 ProPlus\Office 2016 or later version (free for state school students) - 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*
- Adobe Creative Cloud software – required by students in Visual Arts and some Digital Technologies subjects; recommended for all Year 7-12 students (e.g. for video and image editing). In previous years, all students received an allocated "named user licence" funded by the College, subject to annual budget approval process (not finalised at this point in time). Further information will be emailed to students at the start of the new school year.

Other recommended items:
- 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
- New Apple laptops only – VGA and HDMI adaptor to enable connection to data projectors, televisions etc.
- Backup up storage device e.g. USB or external drive (size depends on amount and size of files)
- Additional laptop charge cable with power pack

Other recommended software: *See* https://kelvingrovesc.eq.edu.au/facilities/computers-and-technology/software-for-students
Software used in each subject and year level is generally given to students by teachers at the start of each school year, semester and/or unit of work. If this information is required prior to purchasing a new laptop, contact the relevant faculty Head of Department by emailing BYOx@kelvingrovesc.eq.edu.au. Note that upgraded specifications may be required for some individual programs - see "**What if my student wants to run specialist software that requires higher specifications**?" above for more information.
See also https://kelvingrovesc.eq.edu.au/facilities/computers-and-technology/software-for-students

Other software to consider – Apple laptops only:
Consider purchasing a Windows 10 licence to enable the Apple laptop to also run Windows software. Apple vendors should be able to provide this service for a reasonable charge if assistance if needed. Contact licensing@data3.com.au to enquire about student licencing arrangements for Windows 10 or purchase through a Windows reseller.

Purchasing Considerations:
A wide range of computer vendors and laptop makes and models should be investigated, and "total cost of ownership" considered. **The cheapest laptop may not be the most economical over the life of the laptop** (usually minimum 3-4 years depending on individual usage, and the laptop build quality and hardware). Consider included components, technical support, warranty and accidental damage arrangements. Upgraded laptop specifications generally provide better performance over a longer period of time, depending on individual usage.

The following documents at https://kelvingrovesc.eq.edu.au/facilities/computers-and-technology/bring-your-own-device-byox-program assist with the decision-making process when comparing laptop makes and models: Laptop Purchase Decision Making Matrix; Laptop Pros, Cons and Questions.

The College takes no responsibility for private laptop purchases and/or finance arrangements. All issues with laptop purchases or technical issues need to be taken up with the vendor. Repairs are not able to arranged to be done by vendor technicians in the College. Deliveries must not be made to the College.

See https://kelvingrovesc.eq.edu.au/facilities/computers-and-technology/bring-your-own-device-byox-program for more detailed information, and links to vendor information and portals\online stores. The College takes no responsibility for any information or offerings provided on vendor portals.

What connectivity is available?

- Student laptops connect to the wireless network through a Department of Education approved technical solution (currently BYOx Link using Microsoft InTune) to ensure security requirements are met
- Once connected, students can access Department of Education online services for file access and management (OneDrive), filtered internet, and printing services on their BYOx laptop

Refer also to the College ICT Network Access and Usage and Mobile Phone policies on the College website. Personal (e.g. smart phone hotspot) and free Wi-Fi services may be a security risk and/or give access to inappropriate websites.

What if I can't provide a laptop due to financial hardship?

For families experiencing financial hardship, a limited number of College owned laptops are available for borrowing from the Student Laptop Hub in the Library each day on a first in basis.

Applications for participation in the College Equity Program are through the relevant sub-school Principal at the start of each year. Information and application forms are distributed at the start of Term 1 each year, and then made available on the College website.

NOTE: *Bringing a BYOx laptop each day is a* **condition of participation in the Academic Achievers and Music Excellence Programs**. *Students choosing to enrol in these programs are not eligible for the College Equity Program.*

What if I my child has an issue with their BYOx laptop on a particular day?

A limited number of laptops are available for daily borrowing each day on a first in basis through the Student Laptop Hub in the Library. Information is communicated to students and available on the College website at the start of Term 1.

Are there any BYOx Program Costs?

No. All BYOx costs (including Equity Program and daily borrowings) are included in the ICT charge in the annual College Student Resource Scheme which also contributes to connectivity infrastructure, technical support and licencing costs.

For further information contact the Head of Department, eLearning, Sue Isbell on 07 3552 7333 or email
BYOx@kelvingrovesc.eq.edu.au