BARRENJOEY HIGH SCHOOL

Dear Parents/Guardians,

Bring Your Own Device, or BYOD, is a technological necessity in both the education and corporate world. BYOD recognises that technology and choices about technology are very much personal. BYOD acknowledges technology in education means more than meeting specific curriculum requirements. BYOD is designed to give you, as students and families, freedom to make technology choices that suit you and all your circumstances.

Barrenjoey has successfully implemented a BYOD model over the last few years to support the teaching and learning needs of our students and our school. There are some specifications that will need to be met in order to make the devices useful in the classroom, eg. for a device to have access to the school's network there is a minimum standard for device connectivity. Overleaf are some suggested minimum standards for devices to be used adequately as a learning tool.

There is a significant range of devices on the market that will meet a range of budgets and purposes. Some of the current generation of devices however don't meet the crucial component of the BYOD experience - connectivity to the wireless at Barrenjoey.

Wireless Capability
Every public high school in NSW has been equipped with a robust and centrally managed wireless network to allow staff and students to connect. The DEC wireless network installed in **high schools** only operates on the 802.11n **5Ghz** standard.
- Devices with 802.11a/b/g or 802.11n 2.4Ghz only will **not** be able to connect.
- We recommend purchasing new devices or USB network cards with 802.11ac, dual-band wireless. This is only a desirable requirement.

For more information regarding BYOD, Free Software for NSW DE Students and IT Network support please go to our website http://www.barrenjoeyhighschool.com.au/about-us/information-technology/

Regards

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Principal

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BYOD Basic device recommendations and guidelines

Battery	• Look for devices that have a battery that will last for 7 or more hours before the device needs to be plugged into power.
Weight	• Devices should be light enough for students to carry to and from school in their school bag. A device weighing less than 2kg is recommended
Physical Dimensions	• Minimum Screen Size: 9.7" • Maximum Screen Size: 15"
Operating System	• Microsoft Windows 10 or newer, Windows 8.1 on a touch capable device • Apple Mac OS X 10.15 (Catalina) or newer • Apple iOS 10 or newer
Durability	• A protective cover or case is practical and can avoid damage to devices should they be dropped or knocked. A solid state drive is also generally more durable than a hard disk drive as it has no moving parts, however this can increase the cost of the device and is not essential.
Storage & Memory	• Personal tablet based devices with 32GB of storage should provide enough storage for most students. If shopping for an Ultrabook (notebook) type device, look for a minimum of 128GB SSD storage and 8GB RAM. Back up storage devices such as a portable hard drive or USB flash drive could be used to supplement the storage within the device, if needed. • For Adobe/CAD Applications we recommend a 256 SSD Hard Drive and 16gig memory.
Wi-Fi	• The department's wi-fi network installed in schools operates on the 802.11n 5Ghz a, b, g and n standard. Devices that do not support this standard will not be able to connect. **Make sure it supports both "a" and "n".** Look for devices that indicate 5GHz compatibility in the product specifications. Older Windows and Mac laptops may be upgraded to support 802.11n @ 5GHz with an add-on USB adaptor. 802.11ac, dual-band wireless cards are also recommended
Software	• All students can download for free on one personally owned device Adobe's Creative Suite including Photoshop, InDesign, Presenter and Captivate. Microsoft Office 365 is now available. Students are responsible for ensuring the operating system and all software on their device is legally and appropriately licensed.
Extras	• A camera and microphone. The device screen should be high resolution and a reasonable size for day to day learning activities. A keyboard or stylus accessible to enable continuous use throughout a school day.
Insurance	• Schools hold insurance for school-owned devices and equipment only. Student owned devices will not be covered by school insurance. Please consider purchasing "Accidental Loss and Breakage Insurance"