

Sir Joseph Banks High School Bring Your Own Device Specifications

<p>Wireless Compatibility **This is the most important specification as there will be no internet access if your device does not comply**</p>	<p>Device MUST have 5GHz 802.11n support This may be advertised as “Dual Band Wireless”, “802.11 a\b\g\n” or “802.11 ac\b\g\n” Note: Devices marketed as “802.11b\g\n” DO NOT support the schools 5GHz Wi-Fi network.</p>
<p>Form Factor</p>	<p>Chromebook It is recommended that the device of choice for SJBHS is a Chromebook. This is an affordable alternative to a laptop or tablet and provides considerably more security than other devices. A mobile phone is not an acceptable device.</p>
<p>Storage Space</p>	<p>Most new machines will meet the needs of students. We are encouraging students to utilise cloud-based storage for their work so that they can access it from all locations and devices. Therefore, storage is not too critical. Below is just a guide. Minimum 16Gb storage on a Chromebook. Note: We are encouraging students to store work on the Internet in cloud-based storage.</p>
<p>Operating System</p>	<p>Google Chrome OS Note: Chrome is the operating system on the Chromebooks. This OS does NOT run any of the Microsoft products. Instead, it provides a range of applications that work in an internet browser eg Google Apps. This software can open and edit Microsoft and Adobe documents.</p>
<p>Battery Life</p>	<p>Advertised battery life of at least six hours Note: There are no facilities to charge laptops in classrooms. Note: Over the life of a computer the battery life will most likely reduce which may impact on the effective use of the device over time. The purchasing of another battery may be needed if this happens. Note: <i>Students can manage this by ensuring the power save option is enabled on the computer and that the computer is fully charged overnight.</i></p>

Consideration/ Recommendation	Reason/Explanation
Maximum weight: 2kg	Students will be carrying the device to and from school.
Minimum RAM: 2GB	This ensures that the computer will run applications. Some applications require more RAM to run.
Protective cover/case	Students usually carry a laptop in their school bag. If the bag is dropped or handled harshly it is important that the computer is buffered from damage. A hard cover or a case containing memory foam for added protection is essential. Some parents have bought back packs that have dedicated protection pouches.
Accidental loss and breakage insurance Length and type of warranty	<p>Insurance: You can purchase devices with insurance to include loss and accidental damage. If you do this it will add an extra cost to the device.</p> <p>Warranty: Devices can be purchased with different warranties. The things to consider here are the length and type of warranty.</p> <p>Length of Warranty: We are expecting the student to have the device for at least three years. If the Warranty is for one or two years and it fails that will result in further cost to replace the device.</p> <p>Types of Warranty: There are two options for types of warranty. Back-to-base is the cheapest but would mostly require the device to be packaged and posted back to the supplier for repair. Onsite warranty is more expensive and would usually mean that a repairer would come to your home and fix the device.</p> <p>You will need to weigh up the cost of replacing the device against the cost of insurance or extending the warranty. This is a decision parents will need to make at the point of purchase.</p>

Software Specifications

Traditionally, application software is downloaded and installed on the local machine. While we will most likely continue to download and install software on computers there is a growing move towards applications being delivered through the internet in what has been termed *the cloud*. **Google Apps** have been available for a while and allow the user to log into Google and create documents, presentations, spreadsheets, drawings and forms or simple databases. It also allows users' access to unlimited storage space and the ability to share documents that can be worked on collaboratively.

Microsoft has also developed a similar solution called Microsoft Office 365 which offers similar options. Both Microsoft 365 and Google Apps are linked to students' DoE portal, so that when they log into the internet through the DoE student portal they will automatically have access to both Google Apps and Windows Office 365.

Cloud-based software

Google Apps provides the ability to create, store, share and work collaboratively on documents, presentations, spreadsheets, drawings and simple databases, (forms) for free. This works 'in the cloud' and work can be shared across a variety of devices and operating systems. Students will have access to the latest developed educational apps for free.

Microsoft Office 365 offers a similar service to Google Apps. It will also most likely offer the option of downloading a student version of office for free. If students need to access high end levels of software they will utilise the specialist technology spaces within the school.

Active antivirus software should be installed on devices

Access the internet to research create, communicate and collaborate	Any modern web browser. The Chromebook runs Google Chrome.
Create documents	Google documents (free in the cloud)
Create presentations	Google presentations (free in the cloud)
Create spread sheets	Google spread sheets (free in the cloud)
Take notes	Students can use their device to take notes either through word processors, or Apps like Notability or Evernote.