

Cardiff High School

Celebrating Excellence, Opportunities and Success.

BYOD Recommendations

(Bring Your Own Device)

What are the requirements?

Wireless - 802.11ac



CHS runs on the DoE's commercial grade wireless. For devices to connect to our wireless and internet they need to be 802.11ac compatible. When purchasing a new device, please ensure you double check that the device is compatible.

Screen Size - 12" to 14"



Screens smaller than 12" can be hard to read from and do not allow enough space for a decent sized keyboard. Devices larger than 14" can be large, heavy and cumbersome, most will not fit inside a school backpack.

Operating System



ChromeOS



Windows 10



Mac 10.14 or later

Devices running Android are not compatible and are not permitted.

Battery Life - > 6hrs



Greater than 6hrs is ideal. There are limited power points in classrooms for students to charge their laptops. If students need to recharge their laptop they can do so in the Library at Lunch time.

Memory



- 4GB minimum for devices running Windows & MAC. 8GB or more is better.
- 4GB minimum for devices running ChromeOS.

Storage

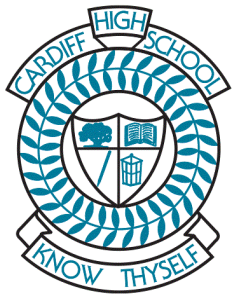


- 32GB min for ChromeBooks.
- 128GB min for Windows and Mac devices.

Insurance



This is a personal choice. We recommend that you take out insurance on devices. Check with your insurer as some policies already cover BYOD devices as part of the contents insurance. The school takes no responsibility for damaged or broken devices.



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Which devices should I get?

Year 7-12

Chromebooks

We highly recommend ChromeBook devices for all students. Chromebooks are great for students who mainly use their device to work on assessment tasks, research the internet and connect to Google Classroom. They are suited to students who do everything on the internet. Chromebooks require internet access at home and school to function properly, they have a limited ability to work offline for long periods of time.

Windows Laptops and 2-in-1 devices

Any device that fits within our recommendations on the previous page is suitable.

Tablets

Most Windows 10 based tablets and iPads running iPadOS 13 are compatible with our system. They are more expensive than a laptop, more expensive to repair and the majority have an 8"-10" screen. If you are considering purchasing a tablet for your child to use at school, we highly recommend that you purchase either a detachable keyboard or a Bluetooth keyboard that is part of the tablets cover/case. This helps compensate for the smaller screen size. Tablets running Android are NOT compatible with the DoE's wireless system and are not permitted.

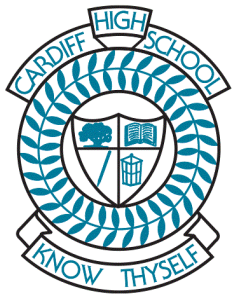
Year 11-12

Windows Laptops

Senior students undertaking Art, Engineering, Music and Textile courses may require a more advanced device. We recommend a Windows based device with minimum 8GB of Ram, minimum 256GB SSD and a dedicated Video Card or Video Memory for those undertaking an Art or Engineering course.

MacBook

Macbook devices are suitable for Senior students, but due to their higher cost, we do not encourage purchasing one. MacBooks require additional configuration to work within the DoE's wireless system. Students with a MacBook will need to see the school's Technical Support Personnel to have it configured properly.



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What software do I need?

Year 7-12

Google Suite or G Suite

Google Apps, Google Drive and Google Classroom are all free for students no matter what device they are using. All are part of the schools Google Classroom suite of apps. G Suite requires internet access to work. Students will need to sign in using their school email account and password. G Suite apps are built into Chromebooks. Other devices may require the apps to be downloaded and installed, including Chrome.

Microsoft Office 365

Students on a Windows or Mac based device can obtain a free copy of Microsoft Office 365 through the student portal. It will need to be downloaded on the device it needs to be installed on. Students with a Chromebook or iPad will need to download it through the relevant device store and activate using their student email address.

Adobe Creative Cloud

Adobe Creative Cloud suit of applications is free to all students through the student portal. It is only compatible with advanced Windows based devices and Macbooks. Students in Year 7-10 do not generally need access to this software at home to complete their school work. It will need to be downloaded on the device it needs to be installed on. Once installed students need to activate using their student email address.

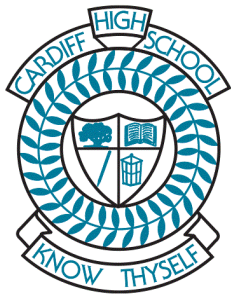
Trimble SketchUp

Trimble SketchUp Web is a 3D modelling software is available for free to all school students. Sketchup is used mainly in our Technological and Applied Studies (TAS) classes. It is compatible with Chromebooks, Windows based devices and Macbooks. Sketchup Web works best in the Chrome browser. Students will need to log into Sketchup Web using their student google account to access it for free. Trimble SketchUp is available at <https://edu.sketchup.com/>

Year 11-12

Adobe Creative Cloud

Students undertaking an Art or Textile course may require Adobe Photoshop, Lightroom, Illustrator, In Design or Premiere Pro. This software is part of the Adobe Creative Cloud suite and is free to all students



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through the student portal. An advanced model Windows laptop or a MacBook will be needed to run these software packages.

Sibelius and FL Studio

Students undertaking Music courses may require software such as Sibelius and FL Studio. Where possible, the school will short term loan a device with the software on it so a student can work on it at home. Should a student wish to purchase their own copy of the software, an advanced model Windows laptop or a MacBook will be needed to run these software packages.

AutoDesk Inventor

Students undertaking an Engineering or Industrial Technology course may require software such as AutoDesk Inventor. Autodesk Inventor software provides engineers and designers a professional grade solution for 3D mechanical design, simulation, visualization, and documentation. Inventor is free for students through the Autodesk Education website. Students will need to sign up using their school email address to receive it for free. <https://www.autodesk.com/education/free-software/inventor-professional>