APCS - BYOD Recommended device specifications

What your device needs to handle	What you need to ask for
Different school subjects In a typical day a student might type an English assignment, jot down history notes, figure out maths equations, video a science experiment and record a speech. They need a device that lets them work effectively in every subject area.	**10" (minimum) screen, touchscreen and keyboard** • A minimum of a 10" screen — larger for creative or technical work • A touchscreen for browsing and writing class notes • A keyboard for typing assignments RAM:-Minimum of 4GB - Aim for at least 8GB for most general-use laptops. 16GB or more for high-end models.
Creativity, innovation and composition Students need to be able to create, construct knowledge and collaborative on their devices. This means they should be able to install apps and or full software applications.	**Runs both apps and programs** • Able to run programs such as Microsoft Office, Adobe Photoshop or AutoCad • Able to install apps as needed during school time.
Working from different places Students need to connect to the school wireless network and home internet.	**Wi-Fi Access** Must have **5Ghz dual band AC** wireless to access the school network.
The school backpack Keep it light on their back.	**Lightweight** • Aim for under 1.5Kg.
Battery life +6 hour days No one wants to run out of battery half-way through the school day.	**6-hour battery life minimum** • Make sure it lasts a 6-hour school day • Look for a modern processor to help stretch battery life further.
File swapping You can email small files, but not video projects and large images. Plus student seed to be able to connect their device to printers, sensors, probes, thermometers and more for science.	**USB ports** Needed to connect digital peripherals, such as a microscope, a printer, graphics tablet, a musical keyboard, thermometer, light metre, etc.
Lots of different software Make sure the device can run demanding programs for music, design, science and technology classes.	**High performance** Look for, Intel Core™ i3, Core™ i5 and Core™ i7 in Windows machines and Apple products that are within the last two versions.
Note-taking and brainstorming Students may prefer to make notes, sketch, and write maths equations, science formulae and foreign languages with a pen.	**Pen** • High fidelity digitised pen with active screen assists with note-taking, sketching, writing maths and science equations - this is a great feature but considerably more expensive so is desirable but not necessarily recommended.
Rough and tumble Your child will probably drop the device and/or spill substances on the device.	**Durable for everyday school use** • Purchase a protective case.