



VILLANOVA COLLEGE

BYOD INFORMATION

BRING YOUR OWN DEVICE: 2018

In 2018, students entering Year 5 and 10 will be required to bring their own laptop to Villanova College. Students in all other year levels will continue to use their existing BYOD laptops.

Minimum Recommended Specifications

To ensure your son has suitable access to the learning experiences involving technology for his year, the College has devised Minimum Recommended Specifications for BYOD laptops. These differ slightly across the Junior, Middle and Senior School.

What is a Minimum Recommended Specification? A Minimum Recommended Specification is the lowest specification of a laptop suitable for a student at the College. It serves as buying advice for parents. Our Minimum Recommended Specifications are based on several factors, including:

- Planned use of technology in core and elective subjects;
- Battery consumption and longevity of laptop life;
- Effective pedagogical practices and integration of technology in teaching and learning;
- Industry advice and our previous experience of BYOD and school-managed laptops.

2016 - 2017: Our BYOD Insights and Experiences

2018 sees the final phase of the implementation of the BYOD program, whereby all students from Years 5 to 12 are bringing their own choice of device. During the past 2 years the College has phased in BYOD. Over this time, we have gained considerable experience and insights regarding the suitability and application of different types of devices across the three sub-schools. We share these insights with you to assist your purchasing decisions.

Firstly, it is strongly recommended students bring pen-enabled devices (also referred to as “digital ink”) to school. The key benefits of digital inking are the ability to draw, write and annotate directly on the screen of the device. There is extensive research which demonstrates the benefits of digital inking to support learning – this physical act of writing on a screen engages more of our consciousness than simply typing and/or reading. Evidence-based studies indicate that digital inking enables more authentic, timely feedback between teachers and students, increased levels of student engagement, more personalisation of learning environments, increased knowledge retention, increased ideation/graphing, and less technology ‘friction’ in the classroom (International Data Corporation, 2015; Oviatt, 2015). A broad range of Windows 10 laptops support digital inking directly on the screen while Apple MacBook Airls and Pros have no ability to directly touch, tap or annotate on the screen.

The image shows a OneNote page titled "TP-CASTT Poetry Analysis" for the poem "Hope" by Emily Dickinson. The page is divided into two main sections: the poem text on the left and the analysis template on the right. The analysis template includes sections for Title, Paraphrase, Connotation, Attitude/Tone, Shifts, and Theme. Students have used digital ink (purple and blue) to write annotations directly on the screen, including identifying metaphors, personification, and alliteration. Some students have also typed their notes. The page includes various interactive elements like checkboxes, text boxes, and a list of questions for analysis.

Above: example of OneNote use where multiple students are writing with a stylus on the laptop screen while typing on a keyboard in a collaborative/shared editing space. This OneNote page sample includes internet links, PDF print-outs, screenshot images, typing and annotation.

Secondly, Software such as OneNote 2016 supports students in the integration of digital ink with typing. Class Notebooks are used extensively across the Middle and Senior Schools for their ease of content distribution, collaborative spaces and constant syncing of student work with teacher feedback. Furthermore, OneNote 2016 integrates a broad range of content creation tools such as typing, handwriting, annotation/highlighting, audio and video, weblinks, images, tables, equations and file attachments. As such, a digital ink enabled device will support students in accessing the full range of content creation tools in this context. Windows 10 devices receive frequent, automated updates for all Office/OneNote 2016 features and enhancements. These updates are less frequent for the Office 2016 for the Mac suite of applications.

Thirdly, battery life is a critical element in choosing a BYOD laptop. For this reason, SSD (Solid State Drive) devices are highly recommended. SSDs consume significantly less battery power and are less susceptible of data corruption in the event the device is bumped or dropped. The size of the laptop screen is also a key factor in battery consumption. Therefore, consider smaller screen sizes to prolong laptop use throughout the day.

Fourthly, accidents happen. Over the last two years of running a BYOD program breakages due to negligence have decreased significantly but do remain an ongoing occurrence. In the event that your son's laptop is dropped or damaged repairs can be very costly. The College strongly recommends that purchase of a BYOD laptops includes both extended 3 year warranty AND Accidental Damage Protection (ADP). ADP does not cover loss or theft, it is recommended you explore this within your Home and Contents Insurance policy. ADP can be chosen when a BYOD laptop is purchased through specific retailers at the time of purchase with a range of Excess options. There have also been instances where students have damaged other students' devices. In these situations, it has been the responsibility of the third party to cover the repair costs. Once again, the importance of warranty and accidental damage insurance cannot be underestimated.

Finally, the stage of your son's schooling is an important factor in the selection of device. In the Junior and Middle School we would highly recommend a Windows 10 digital ink enabled device. Such a device may best support your son as he engages in a broad curriculum while learning to operate, maintain and care for what is possibly the first computer he has owned. In the Senior School, where students are more likely to have chosen possible career/study pathways, it is more likely that students know exactly what type of device is the best fit for their future directions. In this instance, students may decide that a MacBook is a better fit for their career pathway and

chosen subjects and have a decreasing need for digital inking and on-screen annotation.

In summary, BYOD provides families with the opportunity to bring either Windows 10 or Mac OS laptops to school. While the College IT infrastructure and digital pedagogical approaches of the College support both platforms it would be highly advantageous if Junior and Middle School students used Windows 10 digital ink enabled devices. This is still a strong recommendation for Senior School students, however there may be students whose chosen course of study or future pathways would be better supported with a Mac OS device.

Recommended additional reading

International Data Corporation. (June 2015) Digital Ink in the Classroom: Authentic, Efficient Student Engagement. Retrieved from info.microsoft.com/rs/157-GQE-382/images/IDC_Digital_Ink_in_the_Classroom.pdf

Oviatt, S. (2015). Pen? Keyboard? Voice? Touch? Retrieved from download.microsoft.com/documents/apac/en.../For-Schools_MS-Oviatt-Paper_V2.pdf

Additional OneNote resources: [www.onenote.com/ink](http://onenote.com/ink); <http://onenoteineducation.com/en-US/students/>

2018 Minimum Recommendation Specifications

Please refer to the table on the next page for 2018 Minimum Recommended Specifications. Specifications are the size/capacity and hardware options that are freely available when purchasing a laptop or computer

About Apple Macs

Macs are sold as a standard range of devices meaning there is no specific Education line of devices with a toughened, reinforced physical shell. Apple MacBooks are especially not recommended for students studying Technologies subjects due to compatibility issues with software and peripherals (refer to the Resources section on this page for more information).

A note about specialist subject areas in the Senior School

Students studying Visual Art, Graphics, Music and Media Arts in the Senior School are recommended to purchase laptops with larger touchscreen displays (13"-15"), 16 GB memory, 256-512 GB flash storage and i7 processors.

	Junior School (Years 5-6)	Middle School (Years 7-9)	Senior School (Years 10-12)
Windows 10	Memory: 4GB RAM or higher Processor: i5 or i7 processor Storage: 128GB SSD (Solid State Drive) or higher Wi-fi: 802.11ac Display: 11" or larger (touch screen with pen that can annotate on the screen is recommended).	Memory: 4GB RAM or higher Processor: i5 or i7 processor Storage: 128GB SSD (Solid State Drive) or higher Wi-fi: 802.11ac Display: 11" or larger (touch screen with pen that can annotate on the screen is recommended).	Memory: 8GB RAM or higher Processor: i5 or i7 processor Storage: 128GB SSD (Solid State Drive) or higher Wi-fi: 802.11ac Display: 11" or larger (touch screen with pen that can annotate on the screen is recommended).
MacBooks*	MacBook Air* 11.6", i5 processor, 8GB memory, 128GB flash storage.	MacBook Air* 11.6", i5 processor, 8GB memory, 128GB flash storage.	MacBook Pro* 13.3", i5 processor, 8GB memory, 256GB flash storage.
General Recommendations	Advertised battery life: 6 hours or higher TANC hard case Maximum weight: 2kg		

JB Education Parent Purchasing Portal

Villanova College is seeking to assist parents in device selection with an optional Parent Purchasing Portal. The portal aims to simplify purchasing make purchasing simpler by offering a range of devices that meet the Colleges minimum recommended specifications. for the College. All laptops in the portal meet the Minimum Recommended Specifications listed above. Parents may use this portal to select a device, accessories, warranty extensions and ADP (accidental damage protection) plans and payment options.

Visit the JB Education Parent Purchasing Portal at:
URL: <https://www.jbeducation.com.au/byod/>
School code: VILLA2018

Please refer to JB Education Frequently Asked Questions <https://www.jbeducation.com.au/byod/?content=faqs>
Please note that laptops purchased through the portal are not supported in JB Stores. Please refer to the BYOD laptop repairs, servicing and hot swap loans

Installation of Software for commencement of the school year

All students' BYOD laptops are required to have mandatory software packages (BYOD Essentials) installed and ready for immediate use for the commencement of the 2018 school year.

For these installations to occur, your son will require his College email address and password. Continuing students already have this information and may install software when ready. New students will receive an email containing these credentials very early in January 2018. It is imperative the College has the correct email

addresses for parents of new students to avoid delays with the receipt of this important message.

With a College email address and password you will be able to sign in to Villa Moodle (the College Learning Management System) to access the BYOD Essentials installation instructions. In short, the BYOD Essentials are:

1. Google Drive, signed in to your son's College email account.
2. Office 2016, i.e. Word, PowerPoint, Excel, OneNote and Outlook. This suite of applications must be installed via the Office 365 portal at <https://portal.office.com>. You will need to uninstall any Office application that comes "out of the box" with your laptop. Office 2016 must be signed in to your son's College email account.
3. Google Chrome, signed in to your son's College email account.
4. Antivirus software. If you are not using your own the College provides Sophos Endpoint Protection free to all students using BYOD laptops.

Please note you are not required to purchase or pay for any of the above applications – these are either free or provided by the College.