



Dear Parents and Caregivers

Learning with Devices at Pinehurst School

As we're reaching the time of year when we start planning for the following year, I thought I should write to you about the devices we are asking students to have with them when they come to school.

We launched our School Notebook Access Programme ("SNAP") to Years 7, 8 and 10 in 2017. In 2018, we extended this. All students in Years 7-11 will be expected to have a device with them in school.

"SNAP" run in partnership with Lexel, who support our IT services, is a solid, reliable one. Parents pay for a particular device, and the school, through our partners, supports and maintains the device. At the same time, though, we know that many students already have good devices, so we also offer to connect students' own machines to our network.

Why are we doing this? Put simply, it's because we want our students to be able to extend their learning inside and outside the classroom. We don't believe ICT is going to transform education – the relationship between a teacher and a student, and between the students themselves is the cornerstone of education now, just as it has been since Socrates taught Plato! – but it is a tool that will support a student's learning, and it is a means of working and collaborating in which all young people need to develop expertise.

That's not to say that devices will be used all the time in every lesson, but they will be a part of the learning environment, and will, within a year or two, simply be a natural extension of the equipment students bring to the classroom.

We are open-minded about the device itself. I like the security that SNAP gives us, and I like the machines we have chosen. There are obvious advantages to having the security of a device that is supported by the school's technicians, and which come with a comprehensive warranty. The school doesn't, by the way, receive any royalties or other benefits when parents choose SNAP devices: it's a service to support our students. The detailed benefits are listed later in this document.

Students are free to bring their own devices to school as well. We have listed some recommended specifications in this document, but these are recommendations rather than prescriptions. The device should have a Windows 10 operating system, and have a decent processor and memory, as well a good-sized hard-drive and a battery with a long life. Apple devices are perfectly okay as well: it is just that you can't print from them. You will of course, be able to connect to our network with Apple devices.

Please let me know if you have any concerns or observations about the programme.

Yours faithfully,

Alex Reed,
Executive Principal

School Notebook Access Programme

Hardware



The school now offers 3 different options as SNAP devices;

1. Toshiba Portege X20W-D Notebook 12.5" 1080P FHD Touch - Intel Core Ci5-7200U - 8GB DDR4 - 256GB SSD - Convertible - NO-DVD - 802.11ac BT - Win10Pro, 3 Years Warranty, CASE, ACCIDENTAL DAMAGE INSURANCE
\$2,330.00 incl. GST
2. Microsoft Surface Go Tablet 10", 8GB Ram ,128GB WiFi , Intel Pentium Gold Processor 4415Y , Win10 Pro, Keyboard Cover, Business 3 Year Warranty - Includes Next Business Day Replacement – Pen optional at extra cost of \$130.00
\$1,500.00 incl GST (please note there is No Accidental cover for Surface Go)
3. HP Education PROBOOK 430 G5 TOUCH I5-8250U 13.3IN HD AG LED SVA UMA IR WEBCAM 8GB DDR4 256GB SSD AC+BT 3C BATT FPR WINDOWS 10 ACADEMIC (MSNA) 3y onsite parts and labour, CASE, ACCIDENTAL DAMAGE INSURANCE
\$1,500.00 incl. GST

Please note prices are indicative only – to confirm prices please check out the purchase SNAP device page on our website.

More detailed specifications available at the end of this brochure.

Software



- General system and curriculum software are preloaded on the device and ready for use
- SNAP device and software user training included

Support



- 3 year accidental damage support (Toshiba X20W and HP Education Pro only)
- 3 year warranty cover on all parts
- Loan units available at school at no charge
- Order can be placed online through a dedicated portal: phsnap.lexel.co.nz
- Payment options include internet banking, credit card or finance

Assured Service Programme for Pinehurst

Introduction

Accidental Insurance cover is a 3-year comprehensive cover for accidental damage to the Toshiba X20Wt-c and the HP Education Pro-book purchased through the SNAP programme. The computer will be repaired, as necessary, to maintain the computer to its operating specification.

What is covered?

- Wear and tear that affects the operating specifications of the computer
- Accidental liquid spill onto the computer, but not entire immersion of the computer into liquid
- Damage to the computer in such a way that affects the operation of the computer to manufacturer's specification
- The computer's internal circuitry damaged by electrical surges
- LCD panel cracked or shattered due to extreme temperatures or shock

What is NOT covered?

- Does not cover peripheral devices, theft or loss
- Any fault, damage or loss of software and data
- Any damage to or defect on the computer that is cosmetic in nature or otherwise does not affect the computer's main functionality such as scratches, dents, minor cracks and discoloration
- Computers used in conditions outside their normal operating specifications
- The computer's battery. Batteries are subject to computer warranty terms, provided at the time of sale
- A computer that was repaired or attempted to be repaired by repairer other than Service Plus
- Damaged by an act of God or civil disturbance; such as: fire, flood, earthquake, war or riot
- A computer missing hardware components; the computer must be complete in its entirety for assessment
- Any repair or parts replacement outside the Accidental Insurance cover's limits on multiple repairs over the 3 year agreement period

Frequently Asked Questions

How long does the agreement run for?	The initial agreement is for 3 years from the date of purchase and is terminated if the computer is totally replaced under Accidental Insurance cover.
How different is Accidental Insurance cover from warranty?	The normal 3 year warranty covers manufacturing issues only. Normal warranty would not cover any damage to the computer if, for example, the unit was dropped.
What happens if my computer is damaged?	The damage will be assessed and you will be notified if it is a warranty repair or an Accidental Insurance cover repair.
How long will the repair take?	This will depend on the parts needed for the repair and the availability of parts. In most cases the repair will be carried out at Service Plus where parts will be readily available.
Who do I pay the excess to?	With each Accidental Insurance cover repair there is a \$100.00 excess payable to Service Plus. This payment will need to be presented with the completed Insurance form and damaged computer.
Can I have the machine repaired by anybody else?	No, Pinehurst and Toshiba have appointed Service Plus to conduct the repairs.
What if the computer needs to be replaced under Accidental Insurance cover?	You will receive a computer of equivalent specifications that also meets the school's requirements.
Is software covered?	No, it is your responsibility to make sure that the data is backed up. If the solid state drive needs to be replaced then the operating system and school software will be reloaded.
Does Accidental Insurance cover cover multiple repairs?	Yes, but is limited to following repairs over the 3 year agreement period: 2 x screens, 2 x main circuit boards, 4 x keyboards.
Does Accidental Insurance cover cover theft?	No, in most cases your household insurance will cover the computer for theft. You will need to check with your insurance company for full details on the coverage they provide. Pinehurst requires parents to understand that in the event of theft/loss, a swap out computer will only be available to the student concerned for two weeks, allowing them time to process the insurance claim. Insurance replacement will need to be organised through the school and its supplier Lexel, so that the machine supplied will meet school's requirements and the student can continue to enjoy the same level of support. In the event that the insurance company is unwilling to replace through our designated supplier, parents will be required to 'cash out' on the claim and put this fund towards the purchase of a computer supported by the school.

Bring Your Own Device (BYOD) *or* School Notebook Access Programme



Benefits of Using a SNAP Computer Include:

1. Access to the most suitable computer for the Pinehurst learning environment and best value proposition.
2. SNAP computers are designed for mobility and are appropriate for the level of use by students at Pinehurst School. SNAP Cases are bundled to minimise potential damage.
3. Support for SNAP Computers at Pinehurst School includes:
 - Preparing the machine prior to delivery
 - Training on the use of the machine
 - Connecting the machine to the Wireless Local Area Network and a variety of network services
 - Ongoing support for both software and hardware issues
4. All general system and curriculum software is included in the computer image.
5. All updates to general system and curriculum software is included for 3 years.
6. All general system and curriculum software is ready for use on delivery and systems can be reloaded quickly and efficiently where necessary.
7. Loan computers are available to students when service is required on their computer.
8. Access to Accidental Insurance 3-year computer cover for accidental damage.
9. Claims are processed by the school ICT department on behalf of the parents and students.
10. All computers have a 3-year hardware warranty. Warranty claims are processed at the school ICT department on behalf of the parents and students.
11. Again, there is no charge for any of the above services for the life (3 years) of the computer.
12. Please note: The Pinehurst SNAP 2019 computer is equipped with Windows 10 Professional to give users the edge in mobility, touch and digitizer experience, as well as the full functionality of the laptop computer.

If You Use Your Own Device:

1. There is no image held for non-SNAP computers, so the school is not able to provide software and hardware support.
2. Accidental cover and warranty claims will be the owner's responsibility.
3. It is the owner's responsibility to secure comprehensive cover for loss and accidental damage. Parents will need to ensure a quick turnaround for repair or replacement, so that their child's learning is not affected.
4. Supply of a replacement computer will be owner's responsibility while the computer is under repair. In the event of a machine failure, the owner is required to source a replacement machine to ensure that the child is not without a computer in class. In the event that a loan machine is required from the school and is available, there will be a charge for the use of the loan machine for a fixed period.

Recommended Requirements for Bring Your Own Device



For 2018-2019, in those year levels where laptops are compulsory, the recommended minimum specifications for a Windows and Apple devices are as follows;

Hardware Recommended - Minimum Requirements - Windows and Apple devices

1. Pentium i5 or Intel Core M processor
2. 8 GB RAM
3. 256 GB of storage space
4. 12" screen
5. Wireless
6. A reasonable battery life, preferably up to 10 hours.
7. (Recommended) Touch screen and stylus
8. 128 key or similar keyboard

Software – Minimum Requirements

1. All program updates and virus definitions available through Windows Updates are installed.
2. You have downloaded and installed the Microsoft Office suite and OneDrive.
3. Your OneDrive has been synchronized.

Before bringing a device to school please make sure that:

- The Operating System and all software is in English.
- You know your username and password for your device and your Mac security username and password as connecting to a Wireless network or the installation of software will require this information.
- All the equipment (Device, charger and bag) is labelled with the name of the student.

NB: Due to lack of storage and speed, the school does not recommend Chrome Book devices.

Toshiba Portege X20

Hardware

TOSHIBA
Leading Innovation >>>



Mobile Intel® Core Ci5 7200U (BGA) Processor (2.5Hz - 3.1GHz (Turbo, 2 Cores) 1600MHz FSB, 256 KB per core L2 cache, 3MB L3 cache)

Genuine Microsoft Windows 10® Professional 64bit RS1
256GB M.2 Solid State Drive (PCI-e SSD)

8GB [8GB on board] DDR3 1600 memory

12.5" Full High Definition TFT Active Matrix Widescreen
350NIT (1920 x 1080) with Ant Glare sheet, Backlit
resolution and Embedded Display Port (EDP 1.3), Touch

panel (Capacitive) and 1 x Regular Active pen, with 10 points multi finger Gesture Support (Pinch, Pivot, 3 finger down and Swipe for Windows 10)

Intel® HD620 Graphics with HDMI video out.

Toshiba Thunderbolt™ with 1 x USB 3.1 Type C

3 cell 4Wh 3060mAh Lithium-Ion battery (up to 11hours with keyboard)

Dimensions - 299mm(W) x 219mm(D) x 15.4

mm(H) Weighs from 1.12Kg

Bundle includes:

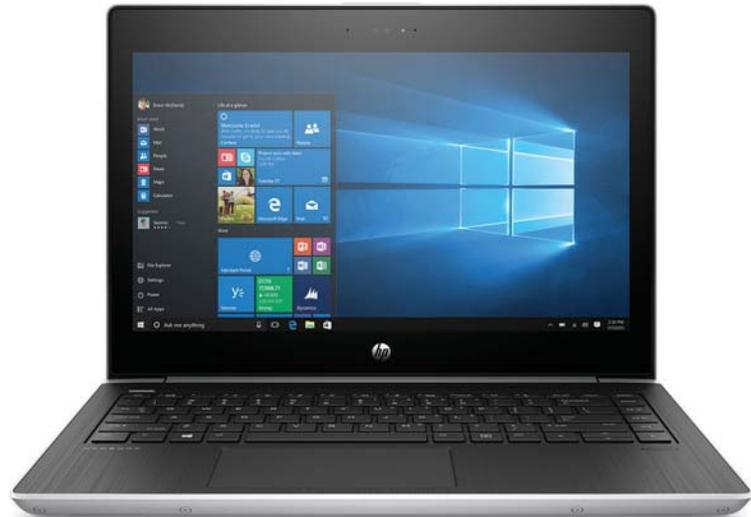
- 1 x Targus SNAP Case for maximum protection
- 1 x Toshiba AC Adapter for Portege X20
- All curriculum software
- All software updates
- 3 Year comprehensive cover against accidental damage and wear and tear that affects the operating specifications of the Notebook
- Loan device if repair is needed

Price: NZ\$ 2,330.00 GST Inclusive

HP ProBook 430 G5 Notebook PC



Full-featured, thin, and light, the HP ProBook 430 lets professionals stay productive in the office and on the go. Stylish design, linear precision, and subtle curvature plus optional Quad Core² performance and long battery life make this ProBook essential for today's workforce.



HP recommends Windows 10 Pro.

Powerful processing

Get through your deadline-driven, multitasking day with optional 7th Gen Intel[®] Core[™] i3³ or 8th Gen Core[™] i5/i7 Quad Core[™] processors² and optional NVIDIA[®] GeForce[®] discrete graphics⁴.

Stylish and durable ultraslim design

The HP ProBook 430 delivers stylish design to every business. An ultraslim chassis in a refined new natural silver finish includes a keyboard deck made of durable premium stamped aluminum.

Designed for docking

Quickly transition to desktop productivity with a single cable that supports docking via USB-C[™] which allows you to connect multiple external displays⁴, a power source, and a gigabit network connection through optional docks⁴.

Immersive experience

Experience vivid audio engagement and an easy conferencing experience with the Skype for Business[™] Certified HP ProBook 430 with HP Audio Boost, HP Noise Cancellation.

- Experience the new features of Windows 10 Pro¹ on the thin, light, touch⁴ optional HP ProBook 430.
- Fortify your security by using multiple factors of authentication including fingerprints and facial recognition.
- Get the best of both worlds with dual solid-state and hard drive storage options from HP.
- Battery life that gets you through the workday and beyond. Fast charge 90% in 90 minutes⁵.
- Stand up to the workload with a ProBook that is designed to pass MIL-STD 810G testing⁷.
- Help suppress ambient noise including keyboard clicks with HP Noise Cancellation.
- Help make good speakers sound great with the HP Audio Boost.

Price: NZ\$ 1,500.00 GST Inclusive

HP ProBook 430 G5 Notebook PC Specifications Table

Available Operating System	Windows 10 Pro 64 – HP recommends Windows 10 Pro. ¹ Windows 10 Pro (National Academic License) ^{1,2} Windows 10 Home 64 ¹ Windows 10 Home Single Language 64 ¹ Windows 10 Home (National Academic License) ^{1,2} FreeDOS 2.0
Processor Family	8th Generation Intel® Core™ i7 processor (i7-8550U model); 8th Generation Intel® Core™ i5 processor (i5-8250U model); 7th Generation Intel® Core™ i3 processor (i3-7100U model); 6th Generation Intel® Core™ i3 processor; Intel® Celeron® processor (3865U. Please refer to Microsoft support disclaimer) ⁵
Available Processors	Intel® Core™ i7-8550U Intel® UHD graphics 620 (1.8 GHz, up to 3.7 GHz with Intel® Turbo Boost Technology 2.0, 8 MB cache, 4 cores) Intel® Core™ i5-8250U Intel® UHD Graphics 620 (1.6 GHz, up to 3.4 GHz with Intel® Turbo Boost Technology 2.0, 6 MB cache, 4 cores) Intel® Core™ i3-7100U with Intel® HD Graphics 620 (2.4 GHz, 3 MB cache, 2 cores) Intel® Core™ i3-6006U with Intel® HD Graphics 520 (2 GHz, 3 MB cache, 2 cores) Intel® Celeron® 3865U with Intel® HD Graphics (1.8 GHz, 2 MB cache, 2 cores) ^{3,4,5}
Chipset	Chipset is integrated with processor
Maximum Memory	32 GB DDR4-2400 SDRAM ⁶ (SODIMM slots are customer accessible/upgradeable; Supports dual channel memory)
Memory Slots	2 SODIMM
Internal Storage	1 TB SATA (5400 rpm) ⁷ 500 GB SATA (7200 rpm) ⁷ 500 GB (8 GB cache) SATA SSHD (5400 rpm) ⁷ 512 GB M.2 PCIe NVMe TLC SSD ^{7,8} 256 GB M.2 PCIe NVMe SSD ^{7,8} 128 GB M.2 SATA TLC SSD ⁷
Display	13.3" diagonal HD touch screen (1366 x 768); 13.3" diagonal FHD UWVA anti-glare LED-backlit, 220 cd/m ² , 45% sRGB (1920 x 1080); 13.3" diagonal HD SVA anti-glare LED-backlit, 220 cd/m ² , 45% sRGB (1366 x 768)
Available Graphics	Integrated: Intel® UHD Graphics 620; Intel® HD Graphics 620; Intel® HD Graphics 520; Intel® HD Graphics ¹²
Wireless Technologies	Intel® Dual Band Wireless-AC 3168 802.11 a/b/g/n/ac (1x1) Wi-Fi® and Bluetooth® 4.2 Combo (non-vPro™); Intel® Dual Band Wireless-AC 8265 802.11 a/b/g/n/ac (2x2) WiFi and Bluetooth® 4.2 Combo (non-vPro™); Realtek 802.11ac (1x1) Wi-Fi® and Bluetooth® 4.2 Combo; Realtek 802.11ac (2x2) Wi-Fi® and Bluetooth® 4.2 Combo ^{9,10}
Communications	Realtek RTL8111HSH Gigabit Ethernet
Expansion Slots	1 multi-format digital media reader (Supports SD, SDHC, SDXC.)
Ports and Connectors	2 USB 3.0 (1 charging); 1 HDMI 1.4b; 1 VGA; 1 RJ-45; 1 AC power ¹¹
Input Device	HP Premium Keyboard, full-sized island-style, spill resistant and optional backlit; Clickpad with image sensor, multi-touch gestures enabled, taps enabled as default
Camera	HD webcam; HD IR webcam ^{12,13}
Available Software	Native Miracast Support; HP LAN Protection; HP Velocity; HP 3D DriveGuard 6 (Windows required); HP ePrint Driver + JetAdvantage; HP Hotkey Support; HP Recovery Manager; HP JumpStart; HP Support Assistant; HP Noise Cancellation Software; Buy Office; Bing search for IE11; HP Connection Optimizer ^{21,22,23}
Security Management	HP BIOSphere Gen4; HP DriveLock and Automatic DriveLock; HP Client Security Gen3; TPM 2.0 ^{27,28,29,30,31,32}
Management Features	HP Driver Packs; HP System Software Manager (SSM); HP BIOS Config Utility (BCU); HP Client Catalog; HP Management Integration Kit for Microsoft System Center Configuration Manager; LANDESK Management ^{24,25,26}
Power	45 W HP Smart AC adapter; 45 W Smart AC adapter 2-prong (Japan only); 65 W EM Smart AC adapter ¹⁷ HP 3-cell, 48 Wh Long Life Li-ion ¹⁶ Up to 17 hours and 30 minutes ¹⁵ Battery life varies depending on configuration.
Dimensions	12.83 x 9.21 x 0.78 in (non-touch); 12.83 x 9.21 x 0.84 in (touch)
Weight	Starting at 3.28 lb
Environmental	Low halogen ²⁰
Energy Efficiency Compliance	ENERGY STAR® certified; EPEAT® Gold ¹⁹
Warranty	3 year and 1 year limited warranties and 90 day software limited warranty options depending on country. Batteries have a default one year limited warranty except for Long Life batteries which will have same 1 year or 3 year limited warranty as the platform. On-site service and extended coverage is also available. HP Care Pack Services are optional extended service contracts that go beyond the standard limited warranties. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at http://www.hp.com/go/cpc



Meet Surface Go for Education

Portable power
in the classroom



A device as versatile as your students

Surface Go helps students achieve better learning outcomes with a premium 2-in-1 device that balances the performance and portability.

- Power through a full day with 9 hours of battery life¹
- Read or watch in tablet mode, type in laptop mode, or draw in studio mode
- Type more comfortably with a mechanical backlit keypad on Surface Go Type Cover

Transform classroom time

Innovative and reliable, Surface Go with Microsoft Education helps teachers deliver engaging learning experiences to students and foster creativity.

- Provide tools that personalize learning for your students
- Customize your lessons and give extra attention to students who need it
- Inspire a passion for STEM by ensuring students take advantage of full software, apps, and web tools

Create a safe, manageable IT environment

Surface Go helps promote modern learning as an innovative 2-in-1 while securely integrating with your ecosystem.

- Manage data and shared or individually assigned devices with Intune for Education
- Get the privacy you should expect with safe searches and no student retargeting
- Make the most of your technology investments with devices that optimize the Microsoft 365 experience

Technical specifications

Display	10" PixelSense™ Display, 1800 x 1200 (217 PPI) 10-point multi-touch, Aspect ratio 3:2 Corning® Gorilla® Glass 3 Contrast ratio: 1500:1
Dimensions	9.65" x 6.9" x 0.33" (245mm x 175mm x 8.3mm)
Weight²	Wi-Fi: 1.15 lbs (522g)
Processor	Intel® Pentium® Gold Processor 4415Y
Memory (RAM)/storage combinations³	4GB RAM, 64GB embedded MultiMediaCard (eMMC) drive • Available in Wi-Fi only 8GB RAM, 128GB solid state drive (SSD) • Available in Wi-Fi and LTE 8GB RAM, 256GB solid state drive (SSD) • Available in LTE only
Graphics	Intel® HD Graphics 615
Battery	Wi-Fi: Up to 9 hours of local video playback ¹
Security	TPM 2.0 for enterprise security Enterprise-grade protection with Windows Hello face sign-in
Software	Ships with Windows 10 Pro configurable to S Mode ⁴ 1 month trial for new Microsoft Office 365 customers
Wireless	Wi-Fi: IEEE 802.11 a/b/g/n/ac compatible Bluetooth Wireless 4.1 technology
Network (LTE Advanced models)⁵	Nano SIM Tray 4G LTE Advanced (Bands 1, 2, 3, 4, 5, 7, 8, 12, 13, 17, 19, 20, 25, 26, 28, 29, 30, 38, 39, 40, 41) GPS / GLONASS: Standalone and Assisted GNSS, accuracy up to 3 meters

Sensors	Ambient light sensor Accelerometer Gyroscope Magnetometer
Connections and expansions	1 x USB-C™ 1 x Surface Connect port 3.5mm headphone jack 1 x microSDXC card reader Surface Type Cover port
Cameras, video, and audio	Windows Hello face authentication camera (front-facing) 5.0MP front-facing camera with 1080p Skype HD video 8.0MP rear-facing autofocus camera with 1080p HD video Single microphone 2W stereo speakers with Dolby® Audio™ Premium
Exterior	Casing: Magnesium Color: Silver Physical buttons: Volume, Power
What's in the box	Surface Go 24W Surface Power Supply Quick Start Guide Safety and Warranty documents
Warranty	3 year limited hardware warranty

Price: NZ\$ 1,500.00 GST Inclusive



For more information
about Surface for Education
microsoft.com/en-us/surface/business/education

1. Up to 9 hours of battery life local video playback. Testing conducted by Microsoft in June 2018 using preproduction Intel Pentium Gold 4415Y Processor, 128GB, 8GB RAM device. Testing consisted of full battery discharge during video playback. All settings were default except: Wi-Fi was associated with a network and Auto-Brightness disabled. Battery life varies significantly with settings, usage, and other factors.
2. Weight not including Type Cover (sold separately).
3. System software uses significant storage space. Available storage is subject to change based on system software updates and apps usage. 1 GB=1 billion bytes. See Surface.com/Storage for more details.
4. Learn more here: <https://support.microsoft.com/en-us/help/4020089/windows-10-in-s-mode-faq>.
5. Service availability and performance subject to service provider's network. Contact your service provider for details, compatibility, pricing, SIM card, and activation. See all specs and frequencies at Surface.com.