Brookfield State School BeLearning Program

BYOD @ Brookfield

BeLearning Vision

- *To provide students with digitally rich 21st century learning environments that allow them to inquire, analyse, communicate and create within a personalised learning program.*

- *To provide best practice teaching that enables, enhances and transforms student learning and outcomes through ICT.*

We are not alone…

- We are not the only school in Australia implementing BYOD.

- Most schools have either already implemented BYOD in some format, or building their infrastructure to support the implementation in the coming years.

- Digital Technologies and Design and Technologies being implemented

- ICT cross curricular priorities increasing focus in schools

Overview of Presentation

- Why consider BYOD
- How does BYOD work?
- Student and Parent responsibilities

What is BYOD? (Bring your own device)

- BYOD is a term used to describe digital ownership where students use privately owned devices to access the departments ICT network.

- We use windows 10 based laptops that meets our minimum specification requirements.

Why BYOD?

85% of all jobs 2030 have not been invented yet

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- Developing 21st Century Skills

- Almost all jobs use computers to some capacity

- Best facilitates the development of knowledge and **skills necessary for the 21st century workforce**, including digital-age literacy, innovative and creative thinking, effective communication and high productivity
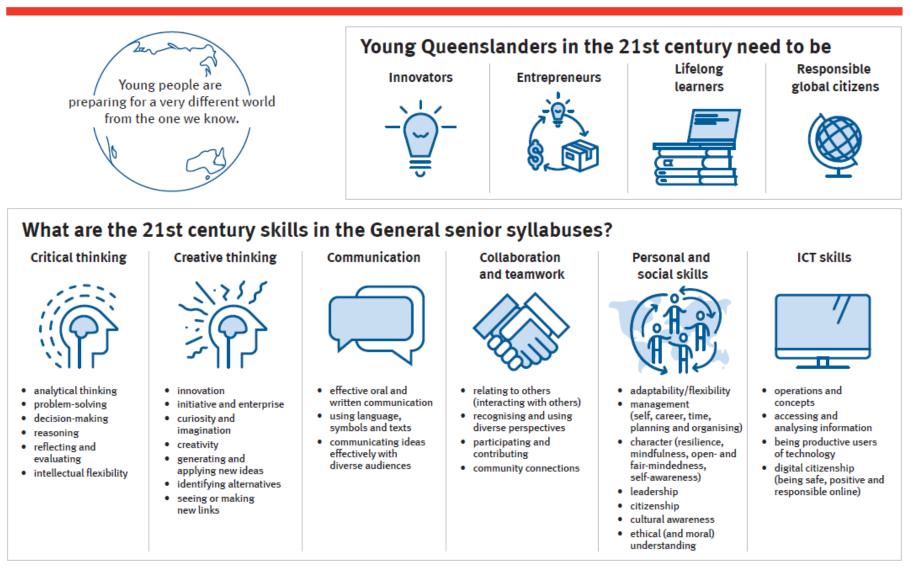
21st century skills
Preparing students for a changing world

Young people are preparing for a very different world from the one we know.

Young Queenslanders in the 21st century need to be

Innovators

Entrepreneurs

Lifelong learners

Responsible global citizens

What are the 21st century skills in the General senior syllabuses?

Critical thinking
- analytical thinking
- problem-solving
- decision-making
- reasoning
- reflecting and evaluating
- intellectual flexibility

Creative thinking
- innovation
- initiative and enterprise
- curiosity and imagination
- creativity
- generating and applying new ideas
- identifying alternatives
- seeing or making new links

Communication
- effective oral and written communication
- using language, symbols and texts
- communicating ideas effectively with diverse audiences

Collaboration and teamwork
- relating to others (interacting with others)
- recognising and using diverse perspectives
- participating and contributing
- community connections

Personal and social skills
- adaptability/flexibility
- management (self, career, time, planning and organising)
- character (resilience, mindfulness, open- and fair-mindedness, self-awareness)
- leadership
- citizenship
- cultural awareness
- ethical (and moral) understanding

ICT skills
- operations and concepts
- accessing and analysing information
- being productive users of technology
- digital citizenship (being safe, positive and responsible online)

BROOKFIELD STATE SCHOOL
150 YEARS 1871 - 2021

A BYOD program promotes:

- **Easy** and **instant** access to ICT for lessons and curriculum content
- **personalisation** of student learning and **improved participation** through access to rich learning resources as well as assistive text
- **continuous access** to educational materials allowing learning efficiency to happen anywhere, anytime
- **engaging, interactive environment** for learning and receiving feedback
- a simple yet sophisticated text, audio and video-based communication facilities for **collaboration with peers and teachers**.
- Responsible digital citizenship and netiquette
- Building of **digital literacy and ICT general capabilities**
- Creation of digital media not just consumers

How does BYOD work?

- Devices **do NOT replace** explicit teaching but will be used to deliver learning experiences, consolidate topics and provide opportunities for students to show their knowledge in engaging and creative ways

- Students will still be doing daily activities that involve text books and exercise books.

- They **will NOT be on their screens all day**.

How does BYOD work?

- Students will be using the devices instructed by the teachers to access learning activities and resources through a variety of apps and websites

What devices are used?

Year Level	Device Required	Hardware Specifications
Year 3	**Windows Device** Tablet with keyboard OR Lightweight laptop	Minimum Specifications: **Operating System:** Windows 10 Home **Processor:** Intel Core M or i3 2.0ghz Dual Core **Memory:** 4gb RAM **Storage:** 64GB **Screen size:** 10" Preferred Specifications (longevity): **Operating System:** Windows 10 Home **Processor:** Intel Core i5 2.0ghz Quad Core **Memory:** 8gb RAM **Storage:** 128gb SSD **Screen size:** 10"

In addition to the minimum specifications, we STRONGLY ENCOURAGE the inclusion of a camera, keyboard AND a protective case or sleeve for the device.

What about apps and programs?

Microsoft Office Suite

Cost: FREE for Education Queensland students

Download, install **Office 365** **using your child's EQ username and password**

Student email addresses and passwords are being provided to individual students to bring home to assist with installation of Microsoft Office.

What about security, theft and damage to the physical device?

- Devices will be the **responsibility of the student**. The school will accept no responsibility for the security or safety of the device.

- Devices will be **stored in classrooms** during class time and at break time.

- Parents are advised to review their **insurance policies** to ensure that BYOD devices are covered outside the home, and to provide a **suitable protective case/bag** for the device.

How will devices be connected to the school network?

- **Technical support** will be provided to ensure that students can access the secured wireless network.

- 3G/4G connection will not be allowed and parents will have to remove or password protect their 3G/4G connection so students do NOT access this unfiltered network whilst at school.

What about viruses?

- No computer is immune to viruses or spam so it will be mandatory that all students protect themselves through virus protection programs or apps.

- Additional protection will be provided by school as students access the network, but no system is fool proof and virus protection will need to be regularly updated and scans carried out.

- **NOT …. Avast and Avg due NAPLAN online**

Warranty

- We will recommend that all devices have some form of warranty. While research shows that students take much better care of a device which belongs to them than a school provided device, accidents happen.

- Warranty is available in the JB HiFi Portal
    - **Microsoft Surface Go Extended Warranty (Up To 3 Years Cover) - $62**

What filtering will be provided when students connect their own device/s?

- The **standard filter** which is currently provided on the **school network** will apply to student owned devices as long as they connect to the school network in line with the Acceptable Use Agreement.

Charging

- It will be compulsory that personally owned devices are brought into school with a **full charge**.

- Students will be made aware that the school is not responsible to provide an opportunity or the necessary power to charge their device during the school day, although limited charging opportunities will be available.

What happens if a student uses a device inappropriately?

- The **Student ICT agreement** and Behaviour Policies will outline the sanctions for inappropriate use of devices and network.

- Students and their parents will be required to sign the **BYOD charter**. Students will sign the **Student ICT agreement** yearly with their classroom teacher.

- These policies will be adhered to and that consequences of policy breaches are understood before network access is provided.

- These documents are accessible on the **school website**.

What if a student doesn't have a personal device?

- If a student is unable to provide a personal device, there will still be shared access to a range of school owned devices. Ratio for each classroom is approx. 1:5.

How Year 3 students use devices

- 10 – 15 minutes of online learning to start day e.g. Mathletics
- Class OneNote
  - Sharing documents
  - Collaborating
  - Teachers gives feedback
  - Some lessons e.g. number of the day
- Self talk in PowerPoint
- Digital Technologies – Scratch, Hour of Code, Minecraft Education
- Writing session
  - Assistive technology
- Devices are used for sources in subjects like HASS and Health
- Brainstorming and Researching
- Homework – offered online and paper

What we have found so far….

- Encourages independent learning

- Development of research skills

- Opportunities for collaboration

- Fosters creativity

- Extends the boundaries of learning beyond the confines of the classroom and the school day

- Increased opportunities for assistive technology to support learners

- Improved engagement

Assistive Technology

Assistive technology in education is any hardware, software or system of technical components and processes that enhances the capacity for all students to engage more effectively with the curriculum and their learning environment.

Assistive Technology

- Assistive technology can support teachers to provide teaching and learning that is accessible to all students. Assistive technology supports students with diverse learning needs within an inclusive learning environment by:
    - delivering information to students in a way that is more appropriate to their needs
    - changing the way a student can interact with the curriculum and their environment
    - providing a more appropriate and accessible way for students to demonstrate their knowledge and understanding of the curriculum.

Assistive Technology

1. Reading – immersive reader
   - Immersive Reader is a free tool that uses proven techniques to improve reading for people regardless of their age or ability.

2. Touch typing
   - Touch typing is the ability to type with all your fingers without needing to look at the keyboard to find letters. You achieve this not only by memorizing the placement of each letter, number, and sign on the keyboard, but by also memorizing which finger controls which keys.

3. Voice to text or audio recording
   - Converts spoken to written text or records their answer via an audio recording

How will devices prepare students for NAPLAN online?

1. Locate and select an answer
2. Type and edit answers
3. Read the screen and navigate web pages including zoom in or out of screen content
4. Manipulate objects on a screen
5. Read and comprehend digital texts
6. Plan and compose texts using word processing
7. Listen using a headset

Questions?

Email – helpdesk@brookfieldss.eq.edu.au