

Burrendah Primary School 2022 - 2023

Bring Your Own Device (BYOD –iPad) Program

THE WHY

Vision

Engage and inspire students to thrive as active global citizens.

To flourish in a complex and ever-changing world, educationalist have highlighted the need for the six global competencies of **collaboration, communication, creativity, critical thinking, character and citizenship**. To develop these competencies and engage students, the school seeks to embrace **21st century learning environments, pedagogical practices and digital learning**.

From the examples below it is clear that the benefits of integrating Digital Technologies into the classrooms goes well beyond developing ICT capabilities and more importantly enhances student learning and acts as a **lever** to engage students in authentic problem solving in a more global context.

21st century learning environments focus on:

- Collaboration between teachers, students and the community to access the wealth of knowledge that exists in the world.
- Providing opportunities for students to communicate, create, reinvent and redefine ideas, knowledge and information.
- Access to information – anywhere anytime.
- Promoting student voice – expressive & receptive language, metalinguistic awareness, sharing of ideas and immediate student feedback.

21st century pedagogical practices focus on:

- Engaging students in authentic (real world) and relevant learning experiences.
- Moving away from traditional learning (set knowledge based on content) to deep learning (focussing on what we can do).
- Lesson design that encompasses the six global competencies of collaboration, communication, creativity, critical thinking, character and citizenship.
- Using critical and creative thinking strategies - Six Thinking Hats, Thinkers Keys, Hexagonal Thinking, SCAMPER and Curriculum Compacting to initiate higher order thinking.
- Using High Impact Teaching Strategies (HITS) to increase student learning.
- Applying the SAMR model to ensure learning is enhanced through instructional technology.
- Using digital technologies as a tool to facilitate ideation and creativity as opposed to simple recall and content consumption.

21st century digital learning focus on:

- Using digital devices as a lever to engage students in learning.
- Catering for different learning styles and abilities through curriculum differentiation (SAER to GAT).
- Teaching ICT Capabilities across learning areas (see WA Curriculum below).
- Effective communication that fully utilises interactive and multimodal software.
- Digital Technology to be woven into all learning areas (see WA Curriculum below).
- Digital devices to encompass a range of tools – robots, 3D printers, laser cutters, interactive LED screens and iPads (camera, video & sound recording) etc.

Western Australian Curriculum

In recent years, the Western Australian Curriculum has been reviewed so that it meets the future needs of our students as they enter the work force. In response to this need, Technologies (Digital Technologies & Design and Technologies), ICT Capabilities and Critical and Creative Capabilities, provide opportunities for the effective and appropriate use of technologies to access, create and communicate information and ideas, solve problems and work collaboratively.

Our mandated commitment to teaching the Western Australian Curriculum – Digital Technologies effectively in the classroom, requires that is interwoven within all learning areas as a tool to enhance learning.

Curriculum Links - Information and Communication Technology Capabilities

Overarching the learning areas of the Western Australian Curriculum is the Information and Communication Technology (ICT) Capabilities, which needs to be woven into the learning curriculum.

To participate in a knowledge-based economy and to be empowered within a technologically sophisticated society now and into the future, students need the knowledge, skills and confidence to make ICT work for them at school, at home, at work and in their communities.

An important component of ICT Capabilities is the teaching of applying social and ethical protocols and practices which ensures students remain safe in an online environment.

Curriculum Links - Critical and Creative Capabilities

In the Western Australian Curriculum, students develop capabilities in critical and creative thinking as they learn to generate and evaluate knowledge, clarify concepts and ideas, seek possibilities, consider alternatives and solve problems.

In the context of digital technologies, iPads provide students with a tool to share their critical and creative thinking in new and interesting ways.

At Burrendah PS, the application of critical and creative thinking strategies - Six Thinking Hats, Thinkers Keys, Hexagonal Thinking, SCAMPER and Curriculum Compacting promote higher order thinking.

WHAT DEVICE & WHY

Digital Devices

In 2019, Burrendah PS decided to move away from a range of digital devices (notebooks, desktops & iPads) and settle on one core device, which was the iPad.

The decision to move towards the iPad was based on its proven reliability, robust nature, affordable price and highly interactive and intuitive software. Application control from a school and home perspective is also superior to the android market. Technical and professional learning support is excellent and already established at the school. In addition to this, the iPad supports the Microsoft 365 Stack which gives the flexibility of students learning both platforms.

Planned Integration into the Classroom

As in any classroom, there will be times when students work independently or collaboratively using their iPads. Depending on the learning focus, students will use iPads for planned and incidental use.

TEACHER'S READINESS & TRAINING

Professional Learning

All teachers at Burrendah PS have engaged in a range of professional learning opportunities to successfully implement the Technologies curriculum. In addition to this, teachers have undertaken professional learning seminars and coaching in the effective use of iPads to enhance learning.

STAGES of IMPLEMENTATION

BYOD Program

The Bring Your Own Device (**BYOD - iPad**) program was established in 2021, starting with the Year 4 cohort. Over a three-year period, we aim to create a 1:1 ratio for Year 4 – 6 students. This period is based on the reliable life expectancy of an iPad and the reality that students will probably need a different device as they transition to high school.

PURCHASING & SERVICING DEVICES

Purchasing Process

Students from Years 4 to 6 are encouraged to bring their own iPad to school providing it meets some specified requirements. These requirements ensure that the quality of the device enhances student learning rather than hinders it.

We have a partnership with Winthrop Australia which allows families to purchase specific devices at educational pricing and access technical support.

For further information about pricing and purchasing, please refer to the following link:

<https://sales.winaust.com.au/shop/burrendahps>

Winthrop Australia with Edstart also offer a 36 month pay by instalments plan for devices purchased through their portal.

Technical support is offered via online ticketing system whereby faults are recorded and then picked up at school or delivered to their premises at UWA.

Winthrop Australia also offer an extension of warranty via Apple Care (approx. \$80) which extended the warranty from one year to two and includes two claims for accidental damage with a small excess (approx. \$65). In addition to Apple Care, they also offer insurance against theft or loss (see Winthrop Australia's Portal for more information).

iPad Recommendations

Burrendah PS recommends an iPad (9th Gen) 10.2 Wi-Fi 64GB or 256GB. Note 64GB is capable of storing sufficient data over time and running interconnected multimodal programs at the same time. Older versions with 32 GB or the iPad Mini is not considered adequate for school use. Devices with a SIM card or 3G/4G capabilities are not permitted as a security measure. However, these devices can be used, if the SIM card is removed whilst at school.

Current pricing for an iPad (9th Gen) 10.2 Wi-Fi 64GB through Winthrop Australia is \$442 (incl GST) and \$45 for a STM Dux Plus Duo cover, which adds up to \$487. Or if you choose the 256GB model, you will pay \$648 (incl GST) and \$45 for STM Dux Plus Duo cover, which adds up to \$693.

NOTE some form of protective cover is considered **essential**.

Please note the two versions of covers is based on whether you choose to buy an Apple Smart Keyboard (see Winthrop Australia's Portal page for more information).

If you already have an iPad, it must have a minimum of iPad OS version 16 installed. Currently the iPads capable of running iPad OS 16 are iPad 5th, 6th & 7th Gen, including iPad Air (3rd Gen) and iPad Pros (all models).

For further information about iPad's compatibility with iPad OS 16, please refer to the following link: <https://support.apple.com/en-au/guide/ipad/ipad213a25b2/16.0/ipados/16.0>

Peripheral Devices – Keyboard, Pen & Headphone

There are times when an external keyboard and/or pen is needed but we also acknowledge the additional cost. Given this, we have decided to purchase external keyboards and pens so that all students have access to these devices when the need arises. In the case with headphones, we recommend a cheap pair of over-the-ear headphones, which allow students to control volume levels and block out external sounds.

For those parents who wish to purchase optional accessories for home use, Winthrop Australia's Portal has a range of items you can include in your package. For example, Logitech Rugged Folio that combines a keyboard and cover for \$187, an Apple Pencil for \$126 or Logitech Crayon pen for \$116 etc.

It is also important to note that students will still have ample opportunity to use pen and paper. This is important because kinaesthetic (tactile) and multi-sensory learning (visual & auditory) are important modes of learning.

Cases

iPads may only be brought to Burrendah PS in a secure case. A strong case will minimise against breakage and other mishaps that may occur on the journey to and from school, and during class. From our experience the STM Dux Duo covers offer excellent protection from accidents. We also recommend that iPads are placed into a waterproof sleeve or jacket when traveling in students' school bags to prevent mishaps from drink bottles and lunches.

IPAD SET UP

Introduction

Setting up an iPad to work effectively in a school and home environment is not that simple and requires a school based technician. From a parent's perspective, those who are more experienced Apple users, the setup steps are relatively simple. However, if you have not used Apple products before, this may be more challenging. To support parents in this process, please refer to the information and links below. If you would prefer to view a summary of this process, please refer to the *Summary of iPad Set Up – Parent Information* document on the school webpage and the *Year 4 – 6 BYOD iPad Checklist*.

Setup

The setting up of the iPad will depend on whether it is a new device, previously purchased and/or whether the parent already has a parent Apple ID account.

As mentioned above, for those parents who intend on using a previously purchased iPad, it is important that it is capable of running iPad OS 14, which currently includes: iPad 5th, 6th & 7th Gen, iPad Air (3rd Gen) and iPad Pros (all models).

If you are unsure of what generation iPad you own, go to Settings>General>About>Model Name. For further information about iPad's compatibility with iPad OS 16, please refer to the following link: <https://support.apple.com/en-au/guide/ipad/ipad213a25b2/16.0/ipados/16.0>

To fully leverage the power of the digital classroom and to avoid any distractions we use Apple Classroom, Jamf's Mobile Device Management (MDM) solution and Apple School Manager (Device Enrolment Program) to control the digital learning environment and automatically deploy apps to ensure efficient lesson delivery.

It is important to note that when we set up student iPads on Apple School Manager and Jamf, **all student data will be erased**. This is why it is important that all data is saved to iCloud. Note app will still be in the Apple App Store and can be reloaded.

Before iPads are sent to school it is important complete the following steps:

- Check that the iPad is capable of running iPad OS 14
- **Save data & photos to iCloud as this will be deleted when setting up Jamf**. Note data and apps can be re-load when set up is finished.
- To turn off "Passcode", please go to Settings>Touch ID & Passcode>enter current passcode>change iPad button to unlock
- To turn off "Find My iPad", please go to *Settings>Apple ID (top left)> Find My>change Find My iPad to "OFF"*

Note all new BYOD students will be given a *Year 4 – 6 BYOD iPad Checklist*, which explains in details how to delete the passcode and Find My iPad.

IPAD MANAGEMENT FOR HOME USE

Home Set Up

For home use, it is important that a parent creates a **child's Apple ID account** through **Family Sharing** to ensure parental access to the control functions on the iPad and if necessary reset your child's password.

NOTE: if the parent does not own an Apple device and the child's iPad is the only Apple device in the home, our advice is **not to create a child's Apple ID under Family Sharing** as this tends to create issues with security notifications that are sent through to the parent's device.

What is an Apple ID?

An Apple ID is the account that you use to access Apple services like the App Store, News +, Fitness +, Apple TV +, Apple Music, Apple Arcade, iCloud, iMessage, FaceTime and more.

Setting Up a Child's Apple ID through Family Sharing

A child Apple ID is set-up through a **Family Sharing using a parent's Apple ID** which allows parental control of the child's ID. This provides added protection for inadvertent app purchases or credit card use. All apps purchased through Family Sharing are then available for the whole family at no extra cost.

For further information about setting up a **child's Apple ID** through **Family Sharing**, please refer to the following link: <https://support.apple.com/en-us/HT201084>

If your child already has an account, they should keep using it. For help if you have forgotten their Apple ID go to: <https://support.apple.com/en-us/HT201354>

After completing this process, go to your child's Apple account page using the following link: <https://appleid.apple.com/> to make sure that their information is correct. Check their birthday, since it needs to be correct for features like Family Sharing.

For further information about **child's apple ID**, please refer to the following link: <https://support.apple.com/en-us/HT205763>

Setting up a child's Apple ID when a parent doesn't have an Apple ID

If a parent doesn't have an Apple device or Apple ID, the parent can create a parent Apple ID on their child's iPad and then create a child's Apple ID through Family Sharing. Following this, the parent needs to sign out of the device and the child will then sign in under their Apple ID. The only difference here is that the parent won't be able to remotely control this device.

For further information about creating an Apple ID, please refer to the following link:

<https://support.apple.com/en-au/HT204316>

Apple - Parental Controls – Settings

In addition to Family Sharing, parents can also go into the *Settings* menu on their child's iPad and fine tune restrictions even further. To do this, select *Settings*, tap *Content & Privacy Restrictions* (slide button to on - green). Then under the headings: *iTunes and Apps Store Purchases*, *Allow Apps*, *Content Restrictions*, *Privacy* and *Allow Changes* select *Allow* > and select *Allow or Don't Allow*.

For further information about **Parental Control Settings**, please refer to the following link:

<https://support.apple.com/en-gb/HT201304>

It is important to note, that parents **should not** restrict general access through Screen Time **during school hours** as this has proven to cause issues when students are accessing teacher approved apps, e.g., Mine Craft.

Useful Videos for Parents

How to Create Apple ID for Child: https://www.youtube.com/watch?v=Qv0_b4IVGNU

How Family Sharing Works: <https://www.youtube.com/watch?v=l6vZd14FsJ4>

How to Setup Apple Family Sharing & Create a Child Account:

https://www.youtube.com/watch?v=Qv0_b4IVGNU

Setup Screen Time for Parents: <https://www.youtube.com/watch?v=ZAXcyGw8Q2Y>

How to Setup Parental Controls for iPad: https://www.youtube.com/watch?v=Lu-e_y-Rt9I

AppleCare Support for Parents

Students and their families can access free technical support for Apple devices, such as Macs, iPads and applications directly from AppleCare Support. AppleCare Support is available at no cost to you and is provided through the Department's AppleCare Enterprise agreement.

AppleCare Support is available 24 hours a day, seven days a week. It provides technical support for:

- Apple software and operating systems
- Apple applications, such as Keynote
- Personal Apple accounts or settings

The Department's AppleCare Enterprise agreement does not provide any extra hardware coverage.

To contact AppleCare support:

1. Phone 1300 760 237
2. When prompted enter access code 2961
3. Follow the prompts to select your Apple device

Apple Classroom

To guide student learning, share work and manage student devices in the classroom, teachers have access to the Apple Classroom app. This enables teachers to launch a specific app, website, or textbook page on any iPad in the classroom, share documents between teacher and students, or share student work on an interactive whiteboard.

Care and Consideration

At Burrendah Primary School, using an iPad is a privilege and not a right. We believe that working in partnership with the home to teach our children to be good digital citizens is a vital part of forming well-rounded members of our community.

iPad Usage Agreements

Before iPads are brought to school and added to the school network, students need to discuss and agree to two key documents.

The **ICT Acceptable Use Agreement** provides the conditions for use that the Department of Education stipulates before students can access the online services of Burrendah Primary School. This should be read carefully by parents and students.

The **Family Media Agreement** provides an opportunity for parents and their children to sit together and come to agreement on the purpose and use of the iPad at home. For many families, the BYOD iPad is the first device provided for their child, and establishing clear guidelines early is beneficial. Year 4 families will be given the opportunity to hold family discussions under the guidance of the school at the start of the school year.

Care at School

Similar to the Family Media Agreement, students will conference with their classroom educators at the start of each year to agree on the purpose and use of the iPad in the classroom, via a **Classroom Media Agreement**.

As part of this agreement, following common commitments are made:

- When not in use, devices will be stored in a secure, locked cupboard in the classroom.
- Devices will not be available at recess or lunchtime unless they are used under direct teacher supervision.
- All devices are NOT to be password protected and need to be clearly labelled with the child's name.
- Charging facilities will not be provided at school – students are required to bring a fully-charged iPad to school each day.
- Students will need to agree to join the MDM - Jamf platform so access to social media apps such as FaceTime and iMessage is switched off to minimise distractions.

Digital Citizenship

Research shows that establishing honest and open lines of communication is the most effective way of helping children identify and develop strong cyber-safety strategies. While at school, student devices access the network using the Department's stringent internet filtering, email and online platform systems.

At home, families should consider the use of an appropriate internet filtering system for home, such as Family Zone which has been recommended by the Office of the Children's eSafety Commission. Families are encouraged to do their research and choose an app or method that works for their family.