



## Inglewood Primary School BYOD iPad Initiative Years 4-6

### Introduction of the iPad initiative

Inglewood PS will be implementing iPad technology to further develop the 21<sup>st</sup> Century learning needs of students. It has included working with other schools who are leading schools in ICT; with established best practice, working with consultants and the Department of Education. In 2016, the school commenced an exciting new program with Year 5 and 6 students being the first to trial tablet technology in a 1:1 classroom environment. In 2017, we have opened up the program to include year 4 students.

### What is this iPad initiative?

The iPad initiative is to engage students and enable them to develop skills and habits to become successful 21st century learners. The integration of technology will transform teaching pedagogy, enabling teachers to implement highly refined, individualised and higher order thinking tasks. This will ensure our students are developing the skills to think critically, problem solve, be creative and demonstrate innovation using iPad technology at home, school and in the community.

Teachers will continue to teach lessons using established teaching and learning practices, with iPad technology as a tool to enhance and personalise the curriculum for students. The amount of time spent using iPads in the classroom will vary depending on planned lessons.

As part of implementing the Australian Curriculum – ICT General Capabilities, schools are expected to:

- Teach social and ethical protocols and practices, including online etiquette and cyber safety
- Ensure students conduct investigations, using research and critical thinking skills
- Provide opportunities to create
- Communicate ideas and information
- Manage and operate ICT

From 2018, the Digital Technologies curriculum, a new subject area with new skills and unique concepts will be reported to parents. In addition to the overarching aims for the Australian Curriculum: Technologies, Digital Technologies more specifically aims to develop the knowledge, understanding and skills to ensure that, individually and collaboratively, students:

- design, create, manage and evaluate sustainable and innovative digital solutions to meet and redefine current and future needs
- use computational thinking and the key concepts of abstraction; data collection, representation and interpretation; specification, algorithms and implementation to create digital solutions
- confidently use digital systems to efficiently and effectively automate the transformation of data into information and to creatively communicate ideas in a range of settings
- apply protocols and legal practices that support safe, ethical and respectful communications and collaboration with known and unknown audiences
- apply systems thinking to monitor, analyse, predict and shape the interactions within and between information systems and the impact of these systems on individuals, societies, economies and environments.
- design and create digital solution that solve problems taking their preferred futures into consideration

Apart from the abovementioned considerations, NAPLAN testing is moving online. Allowing students more access to online assessments and familiarising them with word processing and navigating through digital platforms will allow them more confidence when completing their NAPLAN assessments online.

Ultimately the school is aware of the need to incorporate more engaging and accessible technology into our teaching and learning programs and iPads are certainly seen as the preferred model. Our 2015-2017 Business Plan references key strategies in

- developing students who are globally aware
- increasing ICT access with tablet technology
- providing greater opportunity for children to be creative
- providing greater opportunity for children to develop problem solving and critical thinking skills

- providing greater opportunities for children to be innovative
- catering for a range of students needs and abilities and differentiating the curriculum, resources and strategies accordingly.

The iPad initiative will provide a key technology tool which will enable students to achieve these capabilities and prepare them for future education. The iPad will be very effective in providing a number of tools within the one device, which would normally require a number of hardware devices and software components.

Whilst there are many educational applications for literacy and numeracy, the iPads also provide creative opportunities in visual arts, performing arts, languages and physical education well beyond what is possible today within our current school infrastructure. iPad technology has proven to be an invaluable tool in supporting students with special learning needs and also caters for all students at their level.

The iPad will enhance existing teaching and learning initiatives in the Australian Curriculum and will enable educational delivery that would otherwise be impossible or impractical. The mobile nature of the device makes it easy to provide opportunities for teachers to effectively enhance teaching and learning initiatives both inside and outside of the classroom.

Teachers will be supported, mentored and coached to adapt to using iPads as a tool in their classroom. It will encourage self-assessment, responsibility for individual learning and greater collaboration, both in the classroom and with the local and global community. The iPad is a companion device. Its advantage is its mobility and ease of use. It will be used in scheduled, planned sessions to assist with the achievement of identified knowledge and skills.

### **The iPad initiative is NOT:**

- Technology for the sake of technology
- Students using iPads all day
- At the expense of daily face-to-face teaching
- Replacing pen and paper, or teaching of correct Handwriting skills
- Impacting on outdoor student activities
- Apps replacing teachers
- The only tool used for completing work or student assessment
- Replacing laptop or desktop computers

### **Why has the school chosen BYOD approach?**

The advantages of a student using their own personal device are numerous. These include:

- There is no need to wait for an iPad to become available to commence and complete work.
- Not having to wait for another class to finish using them
- Provides ability to work on internet related research within the classroom
- Ability to store media and documents without interference by other students, either accidental or intentional
- The student's documents cannot be edited or deleted by other students who might use the device.
- Each device can be individually monitored. (Multiple device users would have to be recorded to be monitored. Even then proving who was using the device at the time of an issue would be difficult).
- Wireless access provides the ability to email documents and search the Internet when needed.

### **Why iPads?**

One of the main reasons for running iPads and not alternative devices is that both of our major feeder high schools (John Forrest and Mt Lawley) run the Apple platform. Apps used across iPads and Mac Books operate in the same fashion and students need to be familiar with these.

Additional to this are the following reasons:

- The majority of schools consulted are now only solely iPad or transitioning to be, this includes those schools who initially implemented alternative platforms.

- The school requires iPads primarily to ensure the same applications are available across all devices.
- Importantly our staff are, and will continue to be well trained to support learning and trouble shooting on iPads. Staff will therefore be more skilled on the device and reduce the complications of having to learn multiple device settings and operating systems.
- Apple has an Education Team that provides guidance, support and professional development.
- Apple has a track record of supporting the iPad with operating systems and security updates far beyond the supported lifetime of other tablets. Importantly these updates are available worldwide without delay. These two factors are considerable in terms of online safety and the longevity of investment in the device.
- Apple has a rigorous vetting process of all apps (this includes educational apps) submitted to the app store. Teachers have access to over 500 000 apps of which 20000 are designed specifically for educational purposes.

## Does the school have a policy on appropriate use of the iPad at school?

Yes, the school has developed an iPromise agreement. The agreement clearly outlines student, teacher and parent expectations and complements the existing school ICT online code of conduct document which was signed at enrolment. These documents are available to parents via the school website.

## How will iPads be secured at school?

Students will not be permitted to use iPads on the school grounds, before school, at recess or lunch, or after school. The classrooms will always be locked and the iPads will be kept in trays or drawers during recess and lunch times.

## What if the device is damaged or lost?

No responsibility is taken by the school for loss or damage of personal iPads. The school recommends parents consult their home and contents insurer to ensure the iPad is covered on route and at school.

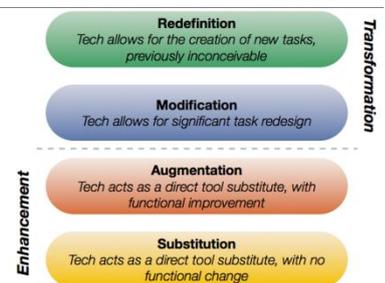
## Will students have access to the internet on the school and BYOD iPad devices at school?

Yes students will have access to complete some tasks, as they currently do with the school's laptops. As part of internet access, all students are taught appropriate and safe use of accessing online resources. The WA Department of Education School Internet Gateway allows staff detailed surveillance of student access to websites. There are also filtering systems that blacklist inappropriate websites and apps for students. The school regularly checks the students' internet usage.

## How does the program work at Inglewood PS?

Students bring their iPads to school every day but are used genuinely and as needed. This means that students won't be "glued" to their screens for all hours of the day. The devices may be used by specialists to incorporate iPads into their lessons e.g. Garage Band for music or video and review skills in PE. Students used apps based on the SAMR model, where students are developing higher level skills other than substitution.

The school will continue to develop staff professional knowledge of apps that promote and cultivate higher order thinking skills. Staff also collaborates on their use of the iPads and share lesson ideas and assessment tasks for students.



## Cyber Safety

As a part of the Western Australian Digital Technologies Curriculum and ICT general capability, students are taught relevant aspects of cyber safety including how to stay safe online, password management, online and email etiquette and the impact of their digital footprint. Parents can access a range of resources about staying safe online from the Office of the Children's safety Commissioner <https://www.esafety.gov.au/> Appropriate behaviour when using iPads is also covered by the iPad user agreement, which is updated yearly.



## What iPad should I buy?

We recommend the iPad Air2 wifi, 32 GB as the minimum device required, however it is up to families to determine the best device for their child. If the device is to be used at home, storage does become an issue and needs to be considered. Purchasing an older iPad may mean your device is unable to be updated and the compatibility of apps may become an issue in the future. Also, the technology available on new versions of the iPad is of greater capacity and quality than previous devices. The newer the iPad the longer it will be able to accommodate future software and app purchases. iPads may be purchased from a variety of recommended Apple resellers. The Family Funded Program has been established with the Apple store. This offers discounts on devices and accessories. There is also a BYOD portal on JB HI-FI which offers education prices for devices and accessories. This information will be emailed to all parents prior to the end of the school year.

## Minimum device requirements

Apple iPad (3rd Generation or above) Wi-Fi

CPU: 1 GHz Dual Core (or higher) Ram: 1GB (or higher)

Storage: 32GB (or higher). Students have reported running out of space on 16GB devices so 32GB or higher is preferred.

iOS: 8.1 (or higher)

Suitable devices include:

Apple iPad 3

Apple iPad Air

Apple iPad Mini 2

Apple iPad 4

Apple iPad Air 2

Apple iPad Mini 3

Apple iPad 5

Apple iPad Mini

Apple iPad Mini 4

## Special note regarding iPads with SIM card 3G/4G access

Student devices with external 3G and 4G connectivity can be used to circumvent school online security and safety mechanisms. Should a device with this capability be used it should have the SIM card removed prior to arrival at school each day. Ultimately, any student in breach of the Online Use Agreement will be subject to consequences.

## What Apps?

The apps that will need to be installed are provided on a separate sheet. Please note that the number of paid apps will be limited. Family sharing allows an app to be purchased and used by the whole family. We carefully select paid apps and ensure that they have many uses over all year levels. You will be informed by your class teacher when apps are being used in the classroom to ensure that child is prepared for learning experiences.

## Will I be able to see what my child is doing with the iPads?

In 2019 parents will be set up to use Connect. This is an Education Department system that the teachers and students currently use. It allows students and teachers to access and save their work, record assessments and communicate with parents. Much of the work that your students do on their iPads will be visible through this system. Teachers will provide updates about how the iPads are being used within the classroom.