

Duncraig Primary School

Excellence. Every day.

Acknowledgement

We would like to sincerely thank and acknowledge the following people for their contribution and support of the 1:1 iPad Program at Duncraig Primary School:

Duncraig Primary School Technologies Team

Michelle Moyes
Jo Watkinson
Sara Orford
Jan Ruscoe

Contact Us

Roche Road
Duncraig 6023
Western Australia

Email:

duncraig.ps@education.wa.edu.au

Phone: 6224 2150



DUNCRAIG PRIMARY SCHOOL



1:1 iPad Program
2023

1:1 iPad Program Year 4-6

At Duncraig Primary School we are committed to the use of highly effective evidence-based teaching and learning strategies. The 1:1 iPad program aims to engage students and enable them to develop the skills and habits to become successful 21st century learners. The integration of this technology transforms teaching pedagogy, enabling teachers to implement highly refined individual programs for their students.

The iPad program ensures our students are developing the skills to think critically, problem solve, be creative and demonstrate innovation using iPad technology at home, school and in their community. It provides a key technology tool which will assist students to achieve these capabilities and prepare them for their future education.



Western Australian Curriculum

The Western Australian curriculum in Technologies comprises two areas, Design and Technologies and Digital Technologies.

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

- Teach social and ethical protocols and practices
- Ensure students conduct investigations
- Provide opportunities to create
- Communicate ideas & information
- Manage and operate ICT

In line with the Western Australian Curriculum, it is expected that students will *"learn to use Information and Communication Technology (ICT) effectively and appropriately to access, create, and communicate information and ideas, solve problems and work collaboratively in all learning areas at school and in their lives beyond school.*

Making the most of the digital technologies available to them..."



The 21st C Learner is . . .



Infographic highlighting the 21st Century Learner; each skill fitting together with others to create a successful and effective individual. (Article by Rum Tan.)

Education is very dynamic for the 21st Century Learner. The process is often valued far more than the end product. Creativity, problem solving, ethical decision making, community conscience and collaboration are attributes that are highly valued in today's society. The skills highlighted above are all skills that will be developed in primary school, further extended in secondary education and used effectively in both tertiary education and the workforce.

In order to give our students the best education, we need to prepare them to become a part of this world.

This involves:

- The teacher moving from being the owner of the information to the facilitator of the learning
- Working together, contributing and sharing ideas
- Questioning the world around us
 - “ What do we already know?
 - “ What else do we want to find out?
 - “ Where will we find that information?
 - “ What will we do with it once we have found it?

Our learning needs to be:

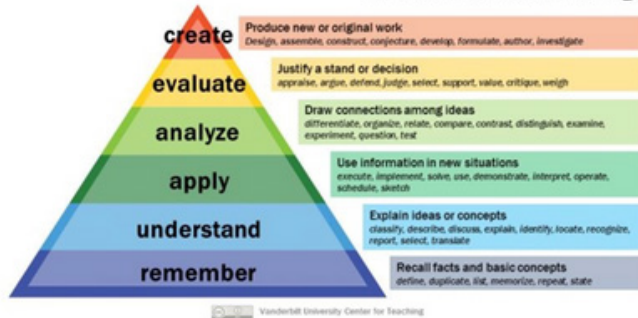
- Student driven
- Student centred
- Relevant: locally, nationally and on a global scale
- Web based



Bloom's Taxonomy and the SAMR Model:

The Integration of Technology to Promote Higher Order Thinking

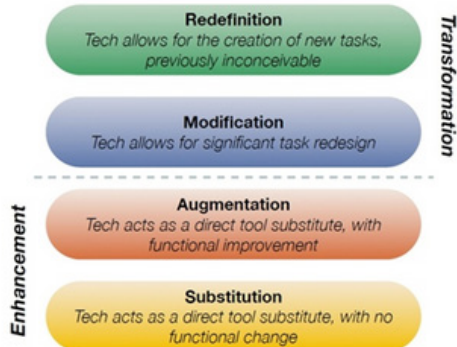
Bloom's Taxonomy



SAMR is a model used to guide teachers towards effectively integrating technology into their programs.

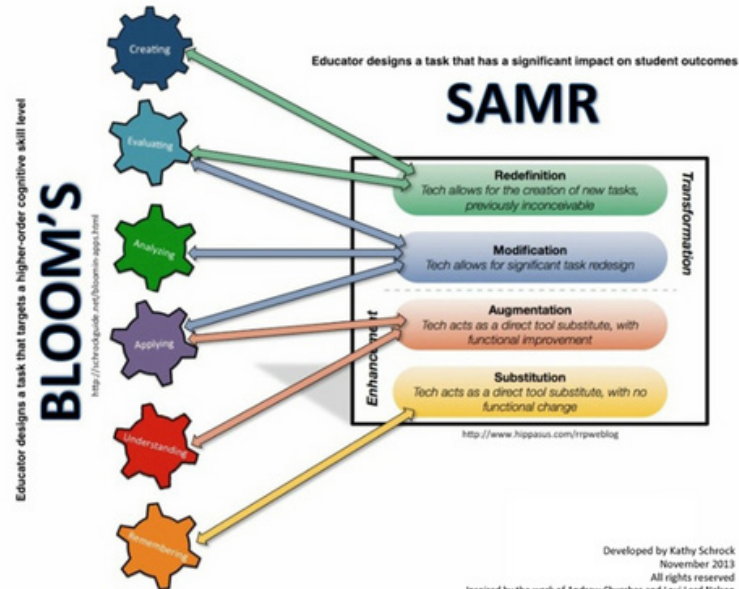
At the Enhancement stage of the model, educators use technology to accomplish traditional tasks.

At the Transformation stage, educators create student-centred, transformational learning experiences that could not be accomplished without the technological tools.



Bloom's Taxonomy and the SAMR Model continued:

When combined with increasingly complex educational learning objectives, appropriate technology enables educators to design tasks that target higher order thinking skills and which have a significant impact on student outcomes. This forms the basis of the 1:1 iPad Program at Duncraig Primary School.



Frequently Asked Questions

Why iPads?



iPads are light, highly portable and easy to use devices. Their flexibility allows easy integration of higher order and creative thinking skills and opportunities to share learning in a range of school contexts. At Duncraig Primary School we have tested iPads in a variety of contexts, across a wide range of curriculum areas and found them to be suitable for both our current and predicted future requirements. iPads have proven to be an invaluable tool in supporting students with additional needs as well as a user friendly interface for STEM and digital technology applications.

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

- Not having to wait for an iPad to become available to commence and complete work. This includes not having to wait for another class to finish using them.
- A 1:1 program provides the ability for all students to work on internet related research at the same time.
- The 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 a shared device.
- iPads with multiple users in a shared device program are more challenging for schools to monitor.

The iPad operating system has the reputation of being robust and intuitive. Apple has a track record of supporting the iPad with system and security updates beyond the supported lifetime of other tablets. These two factors are considerable in terms of online safety and the longevity of investment for each device.

- Apple has an Education Team that provides guidance, support and professional development. Several key staff have attended Apple professional learning and facilitated in-school staff professional development.
- The iPad has a responsive LED-backlit multi-touch display with IPS technology.
- iPads have a battery life of up to 10 hours.
- Continuity of apps is paramount in the classroom setting. Apps perform the same on all recent versions of the iPad, making it easier to cater for a variety of iPad devices over time. The Apple ID system also enables users to switch devices without losing apps.
- Apple Classroom can be used to manage students using iPads. The Classroom app enables the teacher to: navigate students to specific apps and websites; lock students into specific apps; view individual student's screens and project to an interactive whiteboard or E-board for sharing or presentation; and lock student screens if necessary.

For more details on Apple Classroom, visit:
<https://www.apple.com/au/education/teaching-tools/>



Year 4 and beyond...

During the research and planning phase of the 1:1 Device Program initiative, we worked closely with several schools and the community, including Duncraig Senior High School (DSHS), to ensure that implementation of our initiative would benefit student outcomes and be the best way forward for students in a primary setting.

iPads are an excellent choice for our context given considerations such as age, fine motor skills, device functionality, ease of use and suitability of available apps. As cost has always been a consideration, Year 4 was chosen as our initial rollout cohort due to a new iPad potentially having a three-year useful lifetime in terms of battery and performance. This means students would use the iPad in Years 4, 5 and 6, before looking to purchase whichever device they need for their secondary schooling.

In addition to using their iPad, students across all year levels will use Windows based school laptops in order to give them experience with functionality and file handling. This will help prepare students for whichever high school they choose to attend.



Can my child use a different tablet?

No, the school requires iPads primarily to ensure the same applications are available across all devices. Staff are well trained in the use of iPads in education and addressing issues relating to an iPad device. We will be utilising Apple Classroom, an application that allows teachers to manage every iPad in the classroom, so students can be guided through their learning, files can easily be shared with individuals or the entire class and student work can be viewed on an interactive panel.

If my child or family already own an iPad, can they use this at school?

Yes, as long as the iPad meets the minimum hardware requirements (see 'What iPad do I need to buy?' page 12) and adheres to the school's policy regarding appropriate apps and media, including background pictures. Student devices must NOT contain a SIM card as this can be used to circumvent school online security and safety mechanisms. Should a device with this capability be used it MUST have the SIM card removed prior to arrival at school each day.



What iPad do I need to buy?

We recommend the iPad 64GB (9th Generation) and purchase options for this model are available on the PRA Solutions Portal available here:

<https://shop.prasolutions.com.au/collections/duncraig-primary-school-parent-funded-portal> or scan the QR Code:



You may also purchase a device through any other iPad retailer. Other models of iPad can be used providing they meet the following minimum specification:

- Able to update to iPad OS 16 or later.
- Apple Classroom capability: iPad 7, 8 or 9th Generation.
- Airdrop and Airplay capability

Important note: The technology available on new versions of the iPad is of greater capacity and quality than previous devices. It allows for features like Files: saving to file servers or external drives, easier text editing and slide over and, split view for easier multi-tasking between apps. iPad 7th Gen and above also work with Apple pencil 1st Gen.

Equity of access is core to the culture of the school. Any child in Years 4 to 6 in 2023 that does not have a personal iPad will still have the same access to the Western Australian Curriculum and the same learning opportunities. Where possible, students will have shared access to one of the school owned iPads. Please note that school owned iPads will remain at school.

What else do I need to buy continued...

Case

- Your child's iPad **must** be fitted with a robust protective case which covers both front and back and includes a stand. The iPad will be used to take photographs and videos, so please ensure the cover can be held or moved to allow easy access to the camera.
- An iPad case with an integral Bluetooth keyboard is optional but not essential. The school has a set of lightning keyboards for student use in school.

Stylus

- A mid range pen-like stylus is optional. Using a pen-like stylus will enable your child to use their iPad for annotations and diagrams.

Insurance

- Your iPad is **not** covered by Duncraig Primary School or Department of Education insurance policies. You will be asked to sign a form providing the serial number of your iPad and confirming you understand it is not covered by Duncraig Primary School or Department of Education policies.
- The student and their family/caregivers assume full financial responsibility for the iPad in the event of damage, loss, theft and any other instance of negligence and/or abuse.
- You may wish to check with your home contents insurer if your existing cover extends to an iPad being brought to school by your child.
- AppleCare+ is available to purchase directly on your device via the settings menu or on the Apple website.

For further information on AppleCare+

visit:

<https://www.apple.com/au/support/products/ipad.html>

Apps

- A list of required Apps is provided in this booklet and available from the Apple App Store.

Will my child's iPad be shared?

No, your child's iPad is for their personal use only.



Will students learn to touch type and if so, what peripheral accessories will be required?

Students will be given opportunities to become familiar with the device and typing will be one aspect of this. Although learning to touch type is not part of the curriculum, an iPad case with an integral Bluetooth keyboard is optional but not essential. The school has a set of lightning keyboards for student use in school.

How often will iPads be used in the classroom?

Although students will have their iPad with them and available for use throughout the day, they will not be used in every lesson and their use will vary from day to day depending on the learning focus.

The eSafety Commissioner website states *"...the right amount of screen time can depend on a range of factors like your child's age and maturity, the kind of content they are consuming, their learning needs and your family routine. It can be easy to focus only on the clock and how long your child is spending in front of the screen, but the quality and nature of what they are doing online, and your involvement are just as important."*

Head to <https://www.esafety.gov.au> for more important information to support iPad use and online safety.

iPad use at Duncraig Primary School will be carefully monitored and students will still engage in unplugged tasks and activities.

Have ergonomics and impact on eyesight and/or other OHS issues been considered?

Yes, built into classroom daily practice are several strategies to support students to stay healthy in the classroom. Students are encouraged to move every 15-30 minutes through either a formal brain break or as part of the lesson structure. Flexible learning spaces are provided in classrooms and include posture stools, floor space, cushions, traditional desks and standing desks. Students are encouraged to stand their iPad on their desk to avoid excessive neck strain.

Will students still learn the basics and will iPads replace pencil and paper?

No, iPads are not intended to replace pencil and paper. Students will still use pencil and paper every day and legible handwriting will continue to be a focus. iPads will be used to aid the development of critical thinking skills, problem solving, creativity and innovation. They will be used to enhance teaching programs and learning experiences, not to replace basic skills.

Can my child have their iPad taken from them at school?

As with all other aspects of school life, students will need to be both responsible and accountable when using their iPad. Expectations for responsible iPad use currently exist for our 1:1 school funded program and our current Year 3 students are familiar with these. In the event that students breach the iPad Expectations and/or the Device Usage Agreement, they may have their iPad removed for a period of time.

How will students be encouraged to care for their iPad?

Students will be taught to care for their iPads in the same way they have already been taught to care for the school devices. We have rules governing how the devices are handled and in particular how to move around with the device safely. While damage to school iPads has been low over several years, we would ask parents to ensure their child's device has a safe and secure cover which protects both front and back. In addition, it is important to organise insurance for the iPad to be used in school.

Will my child be able to use the iPad during recess and lunch?

No. Students are strongly encouraged to develop an understanding of the importance of maintaining a balance of work and outdoor play during the day. Students are only permitted to use iPads in classrooms or other designated areas during class time.

How will my child back up the information on the iPad?

The school encourages students to take responsibility for work on their iPad and this includes ensuring that work is saved at the end of a lesson. When work is finished, students will be asked to upload the data to a storage platform such as Connect, OneNote or Camera Roll.

What happens if my iPad is not functioning properly?

Teachers at Duncraig Primary School can assist with network connectivity issues.

- If you purchased AppleCare + you will have 24/7 priority access to technical support. Your first option would be to access the support provided by Apple experts through AppleCare +.
- Depending on where you purchased your iPad, you would need to refer to the warranty you selected at the point of sale. This is often a 1 year limited warranty.

Battery Life and Charging.

The battery life of a new iPad lasts for about 10 hours of use. Students will be educated about the importance of charging their iPad at home and we ask that parents support their child to build a routine around this. Charging facilities cannot always be provided at school.

Will parents be able to regulate which Apps are installed or deleted on the device?

Yes, parents can set restrictions to regulate which apps are installed or deleted on their child's iPad, as well as access to the iTunes and App Store.

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

Yes, the Department of Education has several documents related to iPad use in schools. These include Students Online Policy, Information Communication Technologies Security Policy and Procedures and Student Online Guidelines. The school requires students and parents participating in the 1:1 iPad Program to sign a Device Usage Agreement that outlines the Code of Conduct for all users. This agreement will be made available at the beginning of each school year.



How will iPads be kept secure before, during and after school?

- The security of the iPad is the responsibility of the parent/ caregiver outside of school hours.
- iPads will not be allowed to be used in the school grounds before or after school, although school staff cannot be responsible for monitoring this.
- Students are not permitted to remove iPads from classrooms during recess or lunch.
- iPads will be kept in a locked trolley in the classroom when not in use.
- Students will be responsible for carrying their iPad to specialist classes when necessary.
- It is essential that a robust case is purchased to protect the iPad in transit. When coming and going from school, the iPad should then be carried inside the school bag.

Will students be allowed to have music and games on their iPad?

Students will be permitted to have legally downloaded music and games stored on their iPad, although parents are strongly encouraged to monitor the appropriateness of games installed onto the device. In order to make monitoring of the iPads easier at school, we ask that school apps be grouped into a 'School' folder.



What protection/filtering will be in place to protect students?

The school has shared responsibility, along with parents, the government and the community to protect children from the impact of inappropriate material on the internet. The Department of Education has a sophisticated School Internet Gateway or firewall that blocks content, acts as a filter and continually monitors student access online. Every internet request and download is recorded, logging user ID, time, method of access and the device from which the request was made. The Department regularly monitors these logs for breaches. In addition, the new Digital Technologies curriculum includes cyber safety in its scope and sequence. A primary school classroom, in partnership with families, is a protective and safe environment in which to teach all aspects of safe and effective internet use.

Will the iPads be networked and how will security be addressed to protect privacy?

Yes, students will access the school's network and Wi-Fi while at school. Students will log on to the network through an authentication process using a secure username and password. This authentication process ensures students are protected by the Department of Education's firewall. Students learn how to stay safe and protect their identity while online as part of the Digital Technologies curriculum.

Will students have access to social networking sites?

The use of social networking sites is not permitted during school hours and is blocked by the School Internet Gateway (SIG).

Will students be allowed to take photographs of other students on their iPad?

Yes, taking photographs of objects and other students is part of the learning program. Seeking permission before taking any photo of another person is agreed to as part of the Device Usage Agreement signed by all students participating in the 1:1 iPad Program. Students and parents also agree to not share photos with anyone else or distribute on any other platform without permission.

What mechanisms are available to allow parents to control iPad usage out of hours?

iPads come with restrictions that can be set up to allow parents to manage, monitor and strictly control what apps and access children have on their iPads, as well as the websites they can go to.

For more information on how to set restrictions, visit:

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

Or scan the QR code:



Year 4 iPad Application List for 2023 (Year 5 & 6 – new students only)

You will be required to install apps on your child's iPad while at home in order for them to participate fully in the 1:1 iPad Program. Apps have been carefully selected by teachers based on their intended use, while also keeping cost in mind. There will be a limit on the total cost and all apps will be chosen after consideration of the SAMR model. Initially many of the apps required will be those that come with a new iPad eg. Safari, Pages, Keynote, iMovie, Notes and Calendar.

If you have more than one person needing to use the same app, Apple Family Sharing enables them to be shared. For more information on Apple Family Sharing, visit:

<https://www.apple.com/au/family-sharing/>

or scan the QR code:



We encourage all 1:1 iPads to have the FULL VERSIONS of the following applications downloaded for the commencement of the 2023 school year.




Paid Applications (\$22.95)






Book Creator for iPad	Popplet	Base Ten Blocks Manipulative	PicCollage EDU Collage Maker	Barefoot World Atlas
				
\$4.49	\$4.49	\$2.99	\$2.99	\$7.99

Free Applications

Osmo Words	Osmo Numbers	Osmo Tangram	Osmo Pizza Co.	NAP Locked Down Browser
				
Free	Free	Free	Free	Free






Showbie	Google Chrome	Canva	Minecraft Education Edition	Tinkercad
				
Free	Free	Free	Free	Free


Smiling Mind	Google Earth	Kahoot!	Blockly	Sphero Edu
				
Free	Free	Free	Free	Free

QR Reader for iPad	Padlet	Mathletics	Socrative Student	Calculator
				
Free	Free	Free	Free	Free

The school has capped paid applications at \$50 in Year 4 and \$20 in Year 5 & 6 as outlined in the school's Contributions and Charges. The school may request additional applications throughout the year up to the limit outlined in the Contributions and Charges.





Applications Already Included in Apple Suite (since September 2013)

iMovie	Pages	Keynote	Garageband	Numbers
				
Free	Free	Free	Free	Free

Notes	Clips			
				
Free	Free			

Microsoft 365 Suite

Full versions of Microsoft 365 applications including Word, PowerPoint, Excel and OneNote are available to students for free through the school. The apps will need to be downloaded at home and school staff will then assist students to access these applications in Term 1 2023

OneNote	Word	Excel	PowerPoint
			
Free	Free	Free	Free