



# Edgewater Primary School

## 1:1 iPad Program



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## 1:1 iPad Program Year 4, 2022

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...”*

At Edgewater Primary School we are committed to the use of highly effective evidence-based teaching and learning strategies to ensure that our students are provided with learning experiences that are both stimulating and innovative. With this in mind, ICT in our school has been carefully planned and coordinated to ensure that the needs of both current and future students are met. The 1:1 iPad Program aims to engage students and enable them to develop the skills to become 21<sup>st</sup> Century learners. It is our next step towards individualised learning, which will increase independence and encourage higher order thinking in students, enabling them to develop the skills to think critically, problem solve, be creative and extend their learning beyond the classroom.

Students in Year 4, 2022 will be given the opportunity to bring their own device to school to enhance the teaching and learning program. The 1:1 iPad Program will be rolled out over three years and by 2024 students in Years 4-6 will be part of the 1:1 program.

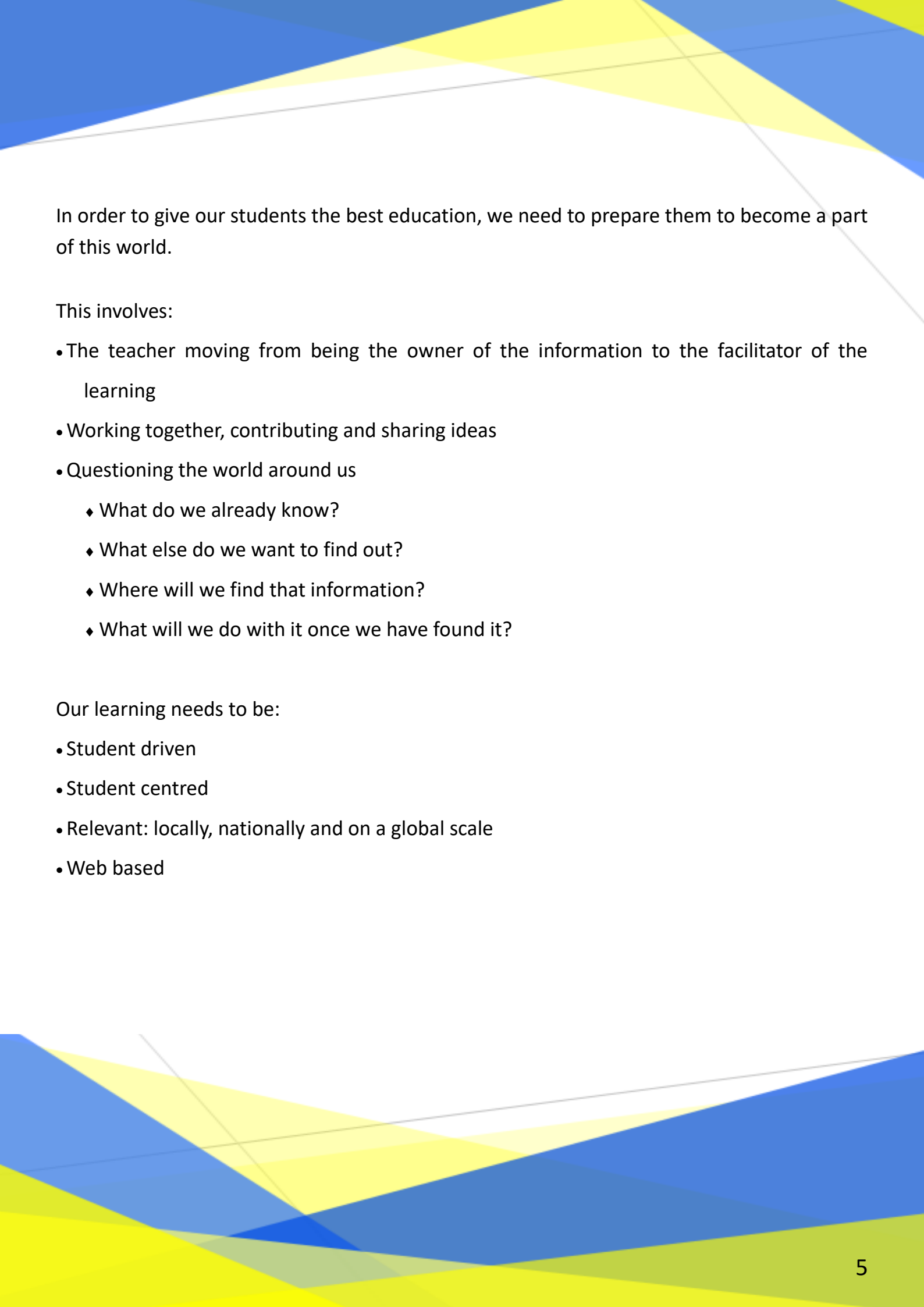


# The 21<sup>st</sup> C Learner is . . .



*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 different 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.

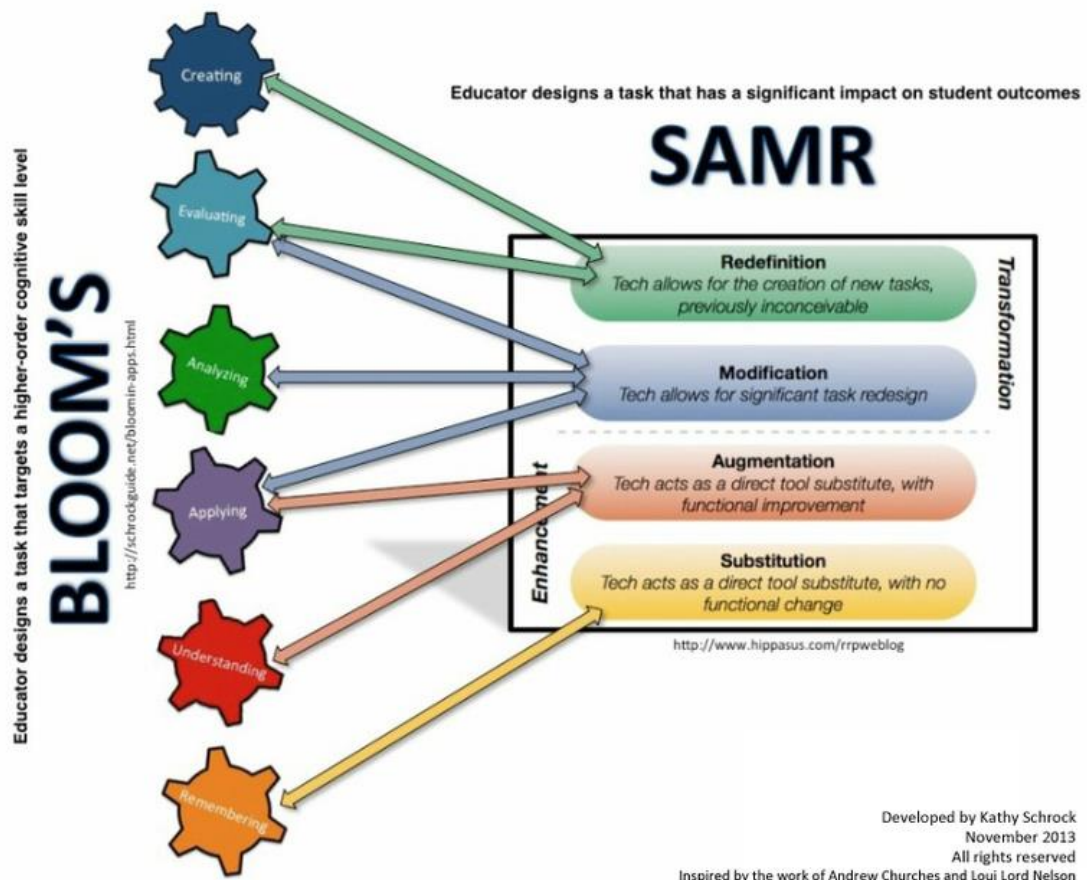
This involves:

- 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



**Bloom's Taxonomy** is used to classify educational learning objectives into levels of complexity. The **SAMR** model is used to guide teachers towards effectively integrating technology into their programs. 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 will form the basis of the 1:1 iPad Program at Edgewater Primary School.



## Frequently Asked Questions

### **Why has the school chosen the 1:1 parent funded approach instead of 1:1 school funded?**

In 2021, Edgewater Primary School has 64 school funded iPads and 70 laptops available for use by students from PP-6. Currently, demand for iPads in classrooms is greater than the school funded program can supply. The expansion of a 1:1 school funded iPad program is not sustainable into the future due to the costs and management implications associated with this. These costs include iPad maintenance and replacement, cost and implementation of a Mobile Device Management system (MDM) and licensing of apps.

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.

## **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 Edgewater 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 iPad operating system has the reputation of being robust and intuitive. Apple has a track record of supporting the iPad with operating system 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 for each device.
- Apple has an Education Team that provides guidance, support and professional development second to none. Key staff have attended Apple professional learning events and subsequently facilitated in-school staff professional development.
- The iPad has a responsive multi-touch screen and a large, high-resolution LED-backlit retina display.
- iPads have a battery life of 10 hours.
- Teachers have access to a suite of apps which are designed specifically for educational purposes.



- 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.
- Key staff, and those who will be teaching in Year 4 in 2022, have engaged in extensive professional learning with iPads.
- 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 panel 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/>

Or scan the QR code:



### **Year 4 and Beyond?**

During the research and planning phase of the 1:1 Device Program initiative, we have worked closely with several schools and the community, 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. Key members of staff and Year 4 teachers 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 app that helps the teacher 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 11/12) 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 (9<sup>th</sup> Generation) and purchase options for this model are available on the Winthrop Australia Portal. 64GB will enable students to store their work on the iPad without having to continually manage the content externally.

To access the Winthrop Portal, visit: <https://sales.winaust.com.au/shop/edgewaterps>

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 specifications:

- Able to update to iOS 14 or later.
- Apple Classroom capability: iPad 5<sup>th</sup> generation or later
- Airdrop capability
- Airplay capability

**Please note:** older iPad models may suffer a drop in usable battery hours and performance, which may impact iPad usability in a classroom setting.

Equity of access is core to the culture of the school. Any child in Year 4 in 2022 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?**

When you purchase your iPad you will need to consider the following:

#### **Case**

- Your iPad must be fitted with a robust protective case which covers both front and back.  
Please keep in mind that your child will be using the iPad to take photographs and videos, so ensure the cover can be held or moved to allow easy access to the camera.

## **Insurance**

- Your iPad is **not** covered by Edgewater Primary School or Department of Education insurance policies. Before your iPad can be brought into school, you will be asked to sign a form providing the serial number of your iPad and confirming you understand it is not covered by Edgewater 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.
- If you purchase your device through Winthrop Australia you may select insurance options.
- AppleCare+ will be available for purchase directly from Apple.

For further information on AppleCare+, visit:

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

Or scan the QR code:



## **Apps**

- A list of required Apps is provided in this brochure and can be purchased from the Apple App Store.

### **Will my child's iPad be shared?**

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

### **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 Office of the Children's eSafety Commissioner recommends a maximum screen time of 2 hours per day for children (5 – 17 years) for entertainment purposes. This is in addition to time spent on screens for educational activities. Screen time is denoted as the amount of time spent watching a screen or electronic media. iPad use at Edgewater Primary School will be carefully monitored and students will still engage in unplugged tasks and activities. It is expected that screen time at school will not exceed 2 hours per day.

### **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 have been in place during our 1:1 school funded trial and our current students abide by 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. Although we have not experienced damage to many of our devices, 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, unless given special permission.

### **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, OneDrive or Camera Roll.

### **What happens if my iPad is not functioning properly?**

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

- If you purchased AppleCare+ you will have 24/7 technical support and an extended warranty. 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.

### **Who will be responsible for charging the iPads? Will the battery last all day at school?**

The battery life of a new iPad is sufficient for up to approximately 10 hours of use. Students will be educated about the importance of charging their iPad battery at home and instructed on how to do this. Charging facilities cannot routinely 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 Education Department has several documents related to iPad use in schools. These include the 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 in preparation for the beginning of each school year. These documents will be available on the school website.

### **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.
- Students will not be allowed to remove iPads from classrooms during recess or lunch.
- iPads will be kept 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. 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 any non-educational apps be grouped into a 'Home' 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 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 the privacy of student identities from data theft?**

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 them on any other platform without permission.

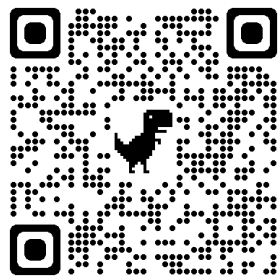
### **What mechanisms are available to allow parents to control iPad usage out of hours?**

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:





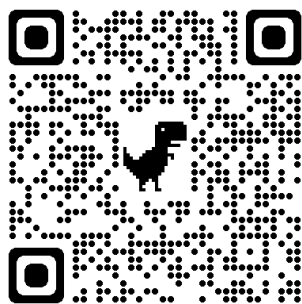
## Year 4 iPad Application List for 2022

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 e.g. 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 retain all apps that come with the iPad (e.g. Keynote, Pages, Numbers, Voice Memos etc.) and also have the following applications downloaded for the commencement of the 2022 school year.

### Paid Applications (\$11.97)


<b>PicCollage Edu Collage Maker</b>	<b>Book Creator</b>	<b>Popplet</b>
		
<b>\$2.99</b>	<b>\$4.49</b>	<b>\$4.49</b>

### Free Applications

<b>Draw and Tell</b>	<b>Google Earth</b>	<b>Kahoot!</b>	<b>NAP Locked Down Browser</b>	<b>Sphero Edu</b>
				
<b>Free</b>	<b>Free</b>	<b>Free</b>	<b>Free</b>	<b>Free</b>
<b>Stop Motion Studio</b>	<b>Padlet</b>	<b>vCastSender</b>	<b>Calculator</b>	
				
<b>Free</b>	<b>Free</b>	<b>Free</b>	<b>Free</b>	

## Microsoft Office 365 Suite

Full versions of Microsoft Office 365 applications including Word, PowerPoint, Excel and OneDrive 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 2022.

OneDrive	Word	Excel	PowerPoint
			
Free	Free	Free	Free



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