



BYO iPad

We are beginning our journey of introducing personal digital learning devices at Rangeview Primary School. Here are some guidelines and ideas of what it might look like. These may help answer some of your questions. There will be more detailed information and parent nights offered in 2014.

Curriculum *AusVELS*

Information and Communications Technology (ICT) is incorporated throughout all learning areas. It focuses on providing students with the tools to transform their learning and to enrich their learning environment. The knowledge, skills and behaviours identified for this domain enable students to:

- develop new thinking and learning skills that produce creative and innovative insights
- develop more productive ways of working and solving problems individually and collaboratively
- create information products that demonstrate their understanding of concepts, issues, relationships and processes
- express themselves in contemporary and socially relevant ways
- communicate locally and globally to solve problems and to share knowledge
- understand the implications of the use of ICT and their social and ethical responsibilities as users of ICT.

Learning in this area enables students to focus on the task to be accomplished rather than on the technology they are using to do the work. Through the selection and application of appropriate equipment, techniques and procedures, they process data and information skilfully to create information products in forms that are meaningful for themselves and their audience. These products effectively demonstrate their knowledge and understanding of the concepts, issues, relationships and processes that are the subject of the task.

Why a BYO iPad program?

WHAT THE RESEARCH IS SAYING -

Department of Education Victoria iPads for Learning Trial 2011 www.ipadsforeducation.vic.edu.au

'The iPads for Learning Trial reinforces that quality of teaching, combined with purposeful and effective use of ICT contributes to improved learning.'

- **90% of students said that learning was more fun when using the iPads.**
- **90% of primary students and more than 81% of parents described iPads as helpful for student learning.**
- **76% of teachers said that students had a greater choice and flexibility in their learning.**
- **85% of primary teachers thought that students were more motivated and engaged in learning.**
- **83% of primary teachers stated that using the iPad improved students' literacy skills**
- **69% reported improved numeracy skills and outcomes**

Children in our classrooms were born into a digital environment. It is their everyday life. They come to school having been exposed to so many forms of technology and it is our role as teachers to provide them with opportunities to use this technology in their learning. They are already knowledgeable about how to use technology.

- iPads simplify technology and remove the barriers for students and teachers. They are easy to use. There is an instant start up time and there are no logins, passwords or hard to manage folders.
- There are so many options for students to choose a way to demonstrate their learning.
- The iPad can be used anywhere, anytime. With a 1 to 1 program students can use the iPad for learning both at school and at home.
- There is an abundance of apps and access to information which allows students to pursue areas they are interested in.
- The touch interface correlates to the technology students use in their everyday life and allows a high level of interactivity.
- A 10 hour battery life means the iPad can be used throughout the entire school day.
- The iPad is light and portable and easily carried in a school bag.
- The iPad is seen to be an intuitive device and minimal technical support is required.

“We need technology in every classroom and in every student's and teacher's hands, because it is the pen and paper of our times, and it is the lense through which we experience much of our world.” – Davis Warlick (Educator and Author)

Why we have chosen iPads over other tablets?

We have been advised by our technicians that iPads are currently the best tablet device for 1:1 learning. At all the schools we have visited iPads are the only device we saw being used. Many of the local Secondary Schools are also introducing a 1:1 iPad program.

1. iPads are an evolved product

The iPad has been a leader in its class ever since it came out. Apple have refined it and bettered it with every new release, so it's tried, tested and proven as a viable tablet product.

2. Apple makes the software and the device

No other device boasts the same kind of symbiosis. The software and device are made for each other so there is little degree for problems. This in turn means that usability and consistency in experience is maintained. This is ideal in a training/education environment. This also means that teacher training and supporting products is very easy. Not much need for external support services.

3. The App Store

Apple have quite a vigorous regime with standards regarding what kind of Apps are available for iPad users. This kind of scrutiny is really useful where control and user management is required. There is almost no chance of user customisation or hacking of the system. This leads to less support issues and user downtime.

Also, there are over 475 000 apps available of which approx. 20 000 are designed specifically for educational purposes. This will continue to grow. This is a rich source for teachers when planning apps for curriculum integration.

Staff Professional Development / TPL

Over the past year we have had two staff, Melissa Dann and Rebecca Hull, who have taken Teacher Professional Leave (TPL) to investigate the use of tablet technology in the classroom. They have spent this time visiting numerous schools locally and in different areas. They have also researched the use of iPads overseas and how education has changed over the last decade. Staff have been receiving professional development this year around technology as a tool for learning and best practice in the classroom. This is ongoing process.

The ICT team, led by Karen Hastie and including Nicole Barnes, and Alex Box, have also been providing ongoing professional learning around the use of technology in the classroom.

School Computers and Infrastructure

Rangeview continues to enjoy access to desktop computers and laptops. The school has these organised under 2 leases whereby they are changed over every 4 years. This enables us to keep our school using up to date computers. Children at Rangeview will continue to have access to these technologies.

The school also has 65 school owned iPads that are used in sets in various classrooms and have been given to teachers to use with their classes and to increase their own knowledge and development.

During 2013 we have begun to upgrade our wireless infrastructure to support the many devices in our school that operate wirelessly. We have begun to install new switches, fibre cables and a wireless controller. Throughout 2014 we anticipate installing many more Wireless Access Points (WAPS) and beginning to set up a dedicated Coms room.

We have a Mac Mini Server that runs Apple Profile Manager. We have 2 very capable technicians that have built up their knowledge and are able to support the school.

The school devotes a high proportion of its funds to the ICT budget, it is not sustainable for our school (or most Government Schools) to purchase an iPad for every child. Cost is a definite factor in implementing a BYOD program.

The DEECD supports the use of BYOD programs in all Government schools and is supporting schools with their "eduSTAR.net" wireless network.

Purchasing iPads

Network Neighbourhood (the company that gives technical support to Rangeview Primary School) is able to provide an online portal for parents to purchase their iPads through. They provide a streamlined way of purchasing the iPad. They offer competitive prices on:

- iPad 2
- iPad Air
- iPad mini
- iPad mini with retina display
- Accessories - a very safe and durable cover
- Insurance and AppleCare
- An interest free payment system over approximately a 2 or 3 year time frame

Cybersafety / eSmart School

We are an eSmart school – we have been working towards the final certification by end of 2014. Clear Policies and user agreements are in place.

Cyber Safety lessons are given in all grades that focus on being smart, safe and responsible digital citizens.

Cybersafety is incorporated in the Start Up program at the start of the year and then revisited throughout the year by all grades. It includes

- Netiquette
- Cybersafety
- Being an Upstander
- Preventing cyber bullying

Community involvement is encouraged and parent nights are run to give parents the knowledge to help their child at home. An eSmart Committee comprises of teachers, parents and children.

Parent Information nights are run by:

- ACMA – Australian Federal government
- Think u Know – Australian Federal Police

School Responsibilities

- iPad user agreements.
- School technicians to manage joining the iPads to the school wireless network.
- School network has filters and checks in it.
- iPads will be stored in a secure, locked drawer or classroom.
- Teachers will carry out spot checks for appropriate use.
- A system will be put in place for secure iPad storage at the beginning of the school day.
- The school will run parent nights to help parents set controls and security settings on the iPads.
- Children will not be using iPads during recess or lunch times.

Parent Responsibilities

- Cover iPads under home and contents insurance.
- Maintain cybersafety protocols.
- iTunes account set up.
- Only parents are to operate the iTunes account, children should not be given the password
- All Apps on the Application list to be installed on the device.

- Apps are to be downloaded at home
- iPads need to come to school fully charged.
- Keep a check on children's activities at home on the iPad, set limits of use.
- Look at and be part of the children's learning - see what is happening at school.

Children's Responsibilities

Children will sign an iPad user agreement before bringing their iPads to school. This will include things such as:

- Only using apps instructed by the teacher.
- Taking care of the iPad and keeping it in a safe spot.
- Being responsible for all information and content held on the device.
- Not using the iPad in the yard before school, after school or at recess or lunch.
- Keeping the iPad in your school bag when travelling to and from school.
- Being cybersmart and cybersafe when using the device.
- Not taking pictures of others without their permission.
- Keep the iPad in a protective case at all times.
- Do not leave the iPads on the floor or in locations where they can fall and break.
- iPads should be carried with two hands and only be used when the child is stationary.

Possible Apps

At the moment there are approximately 475, 000 apps available and this is constantly growing. The app list below shows a number of apps which have been used this year. It is a starting point and by no means a complete list and as we discover more new and exciting apps this list will be updated.

When developing the app list for 2014 we will keep in mind the cost for paid apps and download size.

- * iMovie
- * Explain Everything
- * Educreations
- * Popplet
- * Evernote
- * Comic Strip Design
- * Podcasts
- * Doodle Buddy
- * rED Writing
- * Oz Phonics
- * Hungry Fish
- * Friends of 10

Children and Families without an iPad

If children don't have their own iPad they may:

- have access to the school owned laptops, desktops and iPads
- will be able to carry out activities and tasks using alternative technologies or methods
- any school owned ICT will not be able to be taken home.

Using the iPad at School

- the iPad is a tool to be used to help engage children in their learning
- the iPad will not replace good teaching
- handwriting, writing, reading, maths and book work will still be valued and used
- the iPad will be used some of the time not all of the time
- it will often be used as a collaborative tool

Further Reading <http://det.wa.edu.au/ipadsforeducation/detcms/navigation/parents/?page=all>

New South Wales Department of Education and Communities 'Bring Your Own Device in Schools 2013 Literature Review'

http://byodsandpit.weebly.com/uploads/1/1/3/0/11303946/litrev_2013_final_2.pdf