iPads@Robertson

Creating Brighter Futures Together!
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iPads are not replacing paper.
Rationale

• We believe that technology, and iPads in particular, have the potential to greatly increase the learning capacity of students and can:

• Enable personalisation of student learning through access to rich learning resources.

• Allow continuous access to educational materials allowing learning to happen anywhere, anytime.
• Provide an engaging, interactive environment for learning.
• Strengthen links between home and school, allowing parents to see, every day, what their children are learning at school and have relevant, timely, accurate and quality conversations around student learning and progress.
• Allow students the opportunity to display prior knowledge of topics and thus be co-constructive in their own learning journey.
Why iPads and not laptops or other tablets like Android?

- This is not Apple vs Android vs Windows or iPad vs laptop.
- Consistent technical approach in the classroom is preferable.
- Lower cost compared to laptops makes it more accessible to students and families.
- iPads work very well within the EQ network – giving access to internet is much easier than on a laptop.
- Easier for teachers to troubleshoot problems.
- Great battery life. No need to charge at school
- Continuity and quality of apps.
- Ease of use.
We still use computers

- 64 desktop PCs – Prep to Yr 3

- > 120 laptops

- > 100 iPads – Prep to Yr 6 and specialists (LOTE, EAL, learning support and special education program)
Is the program compulsory?

- No, this program is not compulsory. Students **do not** have to bring an iPad to School.

- Students who do not bring their own iPad will be given shared access to school owned iPads when required to complete work.
  - These iPads will not be allowed to be taken home

- Students who do not bring their own iPad will still receive the same curriculum that others do.
Recommended iPad models when buying a new iPad.

- RSS recommends that students come to school with an iPad that is able to run the latest iOS (10.1.1)

  - iPad 4th generation (A1458)
  - iPad Air (A1474)*
  - **iPad Air 2 (A1566)**
  - iPad Pro 9.7-inch (A1673)
  - iPad Pro 12.9-inch (A1584)

A minimum of 32GB is recommended for all iPads.

*not available for purchase everywhere
Other acceptable iPad models

• iPad Mini 4 (2015)
• iPad Mini 3 (2014)
• iPad Mini 2 (2013)

• These iPads can update to iOS10 however they don’t meet the recommended screen size for NAPLAN online beginning in 2019.
Other iPad models

- Other models can be used but will not have all the functionality of the recommended models. These include:
  
  - iPad 3 (A1416) early 2012
  - iPad 2 (A1395) 2011
  - iPad Mini 1 (A1432) late 2012

These devices will not upgrade to iOS10 and lack other features of newer models such as AirDrop and some newer apps.
Expected costs

- Cost of iPad and any required apps.
  - Many of the required apps will be free.
  - Expected to be approx. $30
    - lower for students already in the program

- Other costs may include:
  - Case, protective cover & screen protector
  - Insurance
Can the school's ICT infrastructure support the added numbers of devices?

- Yes.
- Currently every class has its own wireless access point (WAP).
- WAPs are also in the hall & Under covered area near tuckshop
- Completed term 3 2016
- Not all of the work done in class require internet connectivity.
Will my child need an iTunes account?

- iTunes accounts will be required to set up the device and download apps.
- iTunes terms and conditions state that children under 13 should not have their own accounts.
- Family sharing is a good way to do this. **Instructions on how to do this are on our website.**
- Parents should set up the account and our recommendation is to keep the password hidden from students to lessen the chance for unauthorised purchases.
Who will control the device?

- iPads will be bought for and remain the property of the individual/family at all times.
- iPads will be setup and maintained by the individual.
- Support for this will be provided by the school and through Apple retail stores.
- The loading of apps is the responsibility of the individuals family.
- A list of required apps will be given to parents prior to the end of the year.
How will the iPads connect to the internet?

- Connecting to the Internet will **only** be allowed via the school's Wi-Fi network.
  - Ensures students are working within EQ's filtering system.
  - The same way that our current devices connect (username and password)
- 3G enable devices will only be allowed if the sim card has been removed.
  - Any student accessing the internet will be considered to have broken the student agreement and may lose access to their iPad.
    - Major breech
    - Jailbroken devices are not allowed.
Will my child have access to email?

- The education department provides all QLD students (Prep-year 12) with access to an email account.
- Individual teachers will make their own decisions regarding the use of email in the classroom.
How often will my child be using the iPad?

- This will be different for all classes and students.
- There is no set time for iPad use. The iPads will be used as needed to enhance learning.
- This may be as little as 10-15 mins up to 120 mins spread across the day. It will be different everyday.
- Students are encouraged to take a rest from the device every 20mins in accordance with occupational health and safety recommendations.
- Every effort will be made by teachers to ensure that children are using the iPads as a tool for learning and not for games or 'free time' rewards.
What could a typical activity look like on an iPad?

- Students are asked to record a video or audio explaining something from the days work.
- Students watch a short video introducing them to a topic (maths, science, English etc). Done as homework prior to school. Flipping the classroom.
- Complete an activity on a subscribed website focusing on a particular topic of work being covered in class such as Mathletics or Literacy Planet
- Take a photo of something to show mum and dad what is being learnt in class.
- Annotate a drawing or similar and email/forward onto teacher to show understanding.
What does it look like at Robertson?

• Mr Galbraith – 1G
iPads in 2F 2016
With Mrs Feeney
Daily Literacy Groups

* iPads used in a variety of ways seamlessly in Guided Reading rotations every day
Apps used in literacy groups to support reading, writing and spelling

- Literacy Planet
- Reading Eggs
- Kidspiration
- Chicktionary and WordMania
- Book Creator - both student created books and templates created by me
Benefits in a year 2 classroom:
* Voice recordings as well as writing. Can record reading
* Much less paper and photocopy use
* Ongoing such as dictionary to record unknown words in reading
* Builds digital portfolio
* What we do in class is transparent to parents
Used in Writing

- Edit work, photograph writing
- Students record themselves reading their own writing
- Planning using Kidspiration
- Explain Everything for editing and writing
Used in Mathematics

- Maths Diff Groups
- Problem Solving with QR codes
- Mathletics
- 100 Yay
- Sushi Monster
- Book Creator - both student created books and templates created by myself
Some examples
Used in Science

- Excellent for photographic observation over time (bean plants)
- Make predictions and take photographic records during experiments
MATERIALS

- Water
- 5 plastic cups
- Food colouring
- Kitchen towel paper
Kidspiration

Frogs

Classification
- Amphibians
- Cold blooded

Appearance
- Long legs
- Webbed feet

Habitat
- Water and land
- Hot and cold

Diet
We used our iPads to do a scavenger hunt of various significant places in the school.
Geography

Using Keynote to explore our Global connections and culture

This is something that people might wear in Vietnam

Some women in Vietnam wear Ao Dai and conical hats. My daughter Ada wore an Ao Dai and conical hat. The Ao Dai is made of silk and has embroidery on it. Her conical hat is made of dried plant leaves like bamboo and it is hand woven. It has a fabric strap to tie under her chin. When you shine a light through her hat, you can see some secret images of special places in Hue.
iPads in the 2F classroom are second nature now

They are an excellent educational tool we use daily
iPads in Prep
We used Book Creator to make sight word books.
We used Book Creator to sequence stories and answer questions.
We used Drawing Desk to draw our favourite character from a book.
Then we inserted our drawing into Pic Collage and made a poster about the story.
We presented talks to the class with our ideas shown on the interactive whiteboard.
Maths

Using QR codes to make teen numbers
Maths

Fifteen

15

Fourteen

14

Using Pic Collage to show different ways of making numbers
Maths

Addition using 10 Frame Fill
Maths

Using Book Creator to make books about numbers

- I can find number 7 in my classroom.
- I can write 7 in words.
- I can make 7 in different ways.
- This is what 7 looks like in a tens frame.
We went outside to make super movers. Then we took a photo on our iPad and drew a picture of our super mover.
Science

After that we used our pictures to make a poster of our super mover. We added text to label all the parts.
We believe that our 1:1 iPad program has the ability to help our students, your children, become successful 21st century learners.

Creativity
Communication
Collaboration
Critical thinking
Email agran48@eq.edu.au if you have any further questions.