St Columba’s
Catholic Primary School

1-1 iPad Parent Boot Camp Evening
21st Century Learning and IT at St Columba’s School

Ipad Uses
Our Real World Context

When students were succeeding in school with no technology, we were also living in a world with little technology, and preparing students for life in a world where technology wasn’t part of their daily lives. (Sir Ken Robinson *Changing Educational Paradigms*)
The volume of information and its availability is increasing. Google estimated that every two days in 2010 as much information was created on the internet as was generated in an entire year in 2003. In the same year, the number of devices that were accessing the internet was the same as Earth's total population. By 2015, it is estimated that there will be the equivalent of two devices per person!

(1)
Knowledge workers will soon represent 70% of first-world economies. Schools are preparing students for jobs that do not exist, hence there is a need to focus on deep abilities - the so-called 21st century skills. (1)

Knowledge Creators are the only people whose jobs cannot be outsourced. (3)

Highly mobile, personal ICT devices, like iPads, are becoming increasingly common tools in work and life. The wealth of information available online is already embedded in everyday life. Allowing our students to use a personal technology as part of their learning teaches students life-long learning skills and attitudes. (1)
National Report on Schooling in Australia 2009

The *Melbourne Declaration on Educational Goals for Young Australians* articulates nationally consistent future directions and aspirations for Australian schooling agreed by all Australian Education Ministers.

The Melbourne Declaration has two overarching goals for schooling in Australia:

**Goal 1**  Australian schooling promotes equity and excellence

**Goal 2**  All young Australians become successful learners, confident and creative individuals, and active and informed citizens. (14)

Our Educational Context

As a Catholic Christian community we educate all to live the gospel of Jesus Christ as successful, creative and confident, active and informed learners empowered to shape and enrich our world. (15)
## Our School’s Vision of Learning and Teaching

<table>
<thead>
<tr>
<th>Values</th>
<th>Vision of Learning and Teaching</th>
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<tbody>
<tr>
<td>We value being a Catholic Christian community with respect for the Benedictine tradition.</td>
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<td>We value the belief that every person can achieve success in learning.</td>
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<td>We value high quality teaching and learning that is responsive, flexible, creative and mutually accountable.</td>
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### St Columba’s Wilston Vision of Learning and Teaching

- **Principles**
  - Meaning and teaching approaches should be respectful of learning in a school.
  - Learning should be a Catholic Christian tradition.
- **Components**
  - Essential Standards
  - Students’ educational experiences
  - Learning outcomes
  - Teaching and learning strategies
  - Assessment and feedback
- **Planning Practices**
  - Early Years Learning Framework
  - Australian Curriculum
  - Learning and Teaching
  - Assessment
  - Reporting
- **Teaching Practices**
  - Classroom Management
  - Differentiated Instruction
  - Collaboration
  - Professional Learning
- **Support**
  - Support Staff
  - Learning Support
  - Special Needs
  - Wellbeing

For a copy of our Vision, including examples to demonstrate each value, plus possibilities and challenges, visit our school website: [www.stcolumbaswilston.qld.edu.au](http://www.stcolumbaswilston.qld.edu.au)
The Australian Curriculum

- The *Australian Curriculum* highlights the important differences inherent in twenty-first century learning. A key dimension of this curriculum is the *General Capabilities* (which play a significant role in realising the Melbourne Declaration Goals, and the essential skills for contemporary learners).

- The Melbourne Declaration identifies essential skills for twenty-first century learners, with the Australian Curriculum addressing these through the seven *General Capabilities*. *(7)*
The Australian Curriculum cont.

• The ICT capability, as with the other capabilities, is addressed through the learning areas.

• It is designed to add depth and richness to student learning through use in authentic learning contexts. (7)

• 21st century education integrates technologies, engaging students in ways not previously possible, creating new learning and teaching possibilities, enhancing achievement and extending interactions with local and global communities.

  MCEETYA – Contemporary Learning: Learning in an online World (2005)
• The Australian Curriculum has also published draft version 6 of the *Technologies Curriculum (P-10)* learning area.

• This curriculum comprises two subjects:
  1. Design and Technologies
  2. Digital Technologies

• The curriculum identifies distinct knowledge, understanding and skills, allowing students to develop a comprehensive understanding of traditional, contemporary and emerging technologies. (17)
Educational research about the influences of 1-to-1 ICT provision in learning suggests that:

- it improves student engagement\(^{(8)}\),
- creates an environment more conducive to effective innovation in pedagogy (teaching and learning) \(^{(9)}\).

A recent study indicates that in an all-digital learning context, 'iPads promote both efficient use of time and more learning moments' \(^{(10)}\).

Importantly, research suggests that it is better to view ICT not as a technological tool but rather as a cognitive tool \(^{(11, 12)}\).

It’s not the technology that counts... it’s what you do with it that matters.
Our Initial Goals for iPad Learning

1. iPads will be used to support and enhance learning by allowing students to:
   - access and use digital and online information, anywhere, anytime,
   - develop deep knowledge, understanding and skills,
   - investigate, create, think critically, solve problems and communicate, in a variety of high quality ways,
   - work collaboratively, with teachers and peers,
   - grow in independence and self-responsibility,
   - develop age-appropriate ICT knowledge, understanding and skills (including management and operation),
   - develop as responsible digital citizens, including applying social and ethical protocols and practices,
   - share their learning in different settings, including with their family.
Our Initial Goals for iPad Learning cont.

2. iPads will be used to support and enhance *teaching* by allowing teachers to:
   - differentiate learning (including concept, content, scaffolding, structure, learning style, interest and pace),
   - providing multiple pathways to learning,
   - connect students with appropriate apps, ‘real-world’ experts, resources, databases and communities of interest, at minimal cost,
   - supplement school resources.
Our ULTIMATE Goal for iPad Learning

...To enrich and engage in contemporary, personalised learning that is inspirational!
We’re on a journey,
let it begin!
References


(3) Hilliard State School: https://hilliardss.eq.edu.au/Curriculum/Pages/iPads@hilliardss.aspx (Accessed 22/4/14)


(5) St Columba’s Primary School 1-1 iPad Program Information Booklet, Year 1, 2014 (Accessed 22/4/14)


References cont.


(14) Melbourne Declaration on Educational Goals for Young Australians
http://www.mceecdya.edu.au/verve/_resources/national_declaration_on_the_educational_goals_for_young_australians.pdf (accessed on 22/4/14)


(16) St Columba’s Catholic Primary School http://www.stcolumbaswilston.qld.edu.au/Pages/default.aspx (accessed on 22/4/14)

(17) ACARA. 2014. Australian Curriculum Technologies