



MacICT

Macquarie ICT Innovations Centre



CC 21 PROJECT PLAN | QUAKERS HILL PUBLIC SCHOOL



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Date: 10/5/2013

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Project Team Members

Include names and email addresses of all staff involved in the project.

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Innovation

This should be a succinct statement about your proposed innovation and how it addresses pedagogy, curriculum and technology.

Outline what you will be different when you have implemented your innovation and what evidence would you expect to see?

This project explores the idea of developing classroom environments to support information and communication technology across the new syllabuses.

Teachers will investigate ideas, beliefs, philosophies and case studies including those from:

Stephen Heppell – developing environments that blend physical and virtual spaces.

Yong Zhao – what do we need to do to prepare successful citizens for the globalised world?

Learning opportunities across our whole school community will focus on mobile devices, e-learning platforms, web 2.0 tools, connecting with others and various teaching methods.

By the end of this project, teachers will:

- * develop rich environments that blend physical and virtual spaces*
- * demonstrate increased confidence levels when using a range of ICT*
- * embed technology into everyday teaching*
- * address Australian Curriculum requirements for ICT and critical and creative thinking.*

By the end of this project, students will:

- * use a range of technologies to enhance student engagement*
- * develop, reflect and assess ideas to solve problems*
- * connect, collaborate and share with others.*

Our Project:

Over the last two years we have been fortunate enough to work with Apple, Promethean, Nirimba TAFE and external DEC staff to provide professional learning experiences for our school community. Teacher professional learning has included training in iPads, iPods, Activexpressions, the Connected Classroom, Mathematics, Reading eggs and the interactive syllabus and continuums. To support ICT across the school, we have also purchased 135 iPads, 15 iPods, 30 active expressions, 6 apple TVs, 35 IWBs and 278 PCs. We have established 2 podded classrooms – where there is one computer between every 2 children and have set up a wireless classroom consisting of 22 netbooks and 6 microsoft surfaces.

With staff continually developing and strengthening their skills in ICT, they are now looking towards including the theories of Stephen Heppell – the idea that technology will impact on the physical layout and learning environment of the everyday classroom.

Through the CC21 project, our school will set up a classroom that will support 21st century learners. This room will hold a variety of devices that support ICT (eg; digital microphones, lego robotics, X-box, IWB, bloggies, nintendo DS, 3D printers, iPads, androids). Classes can utilise this room as they would a computer lab – we consider this our computer lab of the future. This room will be ever-changing and new technologies will be constantly introduced. Besides being a place for classes to utilise, we also see it as a training area for staff (both internal and external) and the wider community. Our long term goal is for staff to take away ideas from this ‘model room’ and transform their own classrooms into exciting and challenging learning environments that will meet the needs of all students.

Rationale

Outline the rationale behind why you have chosen this particular innovation

Our Project Rationale

Quakers Hill Public School aims to assist students and teachers to develop rich environments that combine physical and virtual spaces. These spaces will be designed to support the new syllabuses. This will be achieved through providing professional learning opportunities including workshops (face to face and online), team teaching, mentoring, guide on the side and video conferencing.

Quakers Hill public School will also strengthen links with organisations such as Apple, Promethean, Barnier Public School and Mac ICT to assist in the development of this project. These partnerships will enable us to:

- * provide current, expert training for staff*
- * share ideas and experiences across a range of organisations*
- * collaborate with others in the delivery of the new syllabuses.*

Area of Application (Planning, Programming, Teaching, Learning, Assessment)

Briefly describe which area(s) your innovation addresses and how

Area of Application

Assessment

Our teachers will:

** gather data from a variety of sources (eg; interactive continuums, SENTRAL, ActivExpression data) to determine 'where to next' with their class.*

Planning and Programming

Our teachers will:

** collaboratively plan units of work to support the English K-6 syllabus. This will include the general capabilities with an emphasis on ICT and critical and creative thinking. Our teachers will collaborate with internal and external teams to increase professional dialogue and develop consistent teacher judgement.*

Teaching and Learning

Our teachers will:

** engage in professional learning opportunities across a range of ICT*

** maximise student learning by considering teaching strategies, classroom organisation and learning environment*

** support students to use and develop their ICT capabilities for effective learning.*

Project Timeline (please include key milestones which are deliverable)

DATE	TASK	Team Member(s) Responsible
T1, Wk 1	All staff introduced to the theories of Stephen Heppell on SDD. Over the next few weeks, staff are asked to transform their classrooms using one of Heppells ideas.	DP
T1, Wk 7 T1, Wk 11	Literacy and numeracy consultant leads staff through the features of the interactive literacy and numeracy continuums and how it links to the new syllabus. Staff track students on literacy and numeracy continuums.	Literacy/numeracy consultant All staff
T1, Wk 8	Whole school community has opportunity to send in their ideas on the 'e-learning room' What should be included and why? CC21 committee collate and share data and begin development on room based on this data.	CC21
T1, Wk 11	Apple business team visit school. Team give insights, feedback and ideas on future directions for whole school use of ICT. Ideas incorporated into CC21 project.	Apple business team CC21 team
T1, Wk 11	Members of the CC21 committee attend Inspire/Innovate conference. Ideas gathered from conference shared with committee and added to CC21 project where appropriate. Future TPL set around ideas from this conference.	CC21 Committee
T2, Wk 1	All staff train involved in Australian Curriculum training – auditing existing procedure, policies and programs. Executive collate data to determine future staff training surrounding English K-10 syllabus.	Executive team
T2, Wk 2	Two staff members attend SENTRAL training. Attendees share any important information or developments of SENTRAL (eg; functions that support new syllabus) with whole staff.	Rosannagh Ryan Alicia Kladal
T2, Wk 3	Teachers participate in TPL opportunities including iPads, iPods, Connected Classroom, ActivExpressions, Reading Eggs and Mathletics. Teachers to introduce this form of technology into their classrooms during Term 2.	QT21/CC21 teams
T2, Wk 3	Promethean staff on site to train CC21 team and executive in ActivTable. CC21 to decide if this type of technology would support ICT capabilities. If purchased, staff trained accordingly.	CC21 Team/Aps Promethean Staff
T2, Wk 5	One staff member to attend Lego NXT training. Staff member to share training with whole school.	Toby Hynes Mac ICT
T2, Wk 5	Teachers will engage in a hands on session in the 'e-learning room'. Teachers will be expected to take their class for a play session during weeks 5 – 7.	APs/Stage Teams

T2, Wk 6	Establish and train 'student publishing crew'. Student publishing crew will deliver a minimum of 2 articles (one in T3 and one in T4) for the newsletter and website as part of their training.	S2/S3 teachers
T3, Wk 1-5	CC21 team will provide demonstration lessons in the 'e-learning room'. The focus of these demonstration lessons will be on using the room to support the new English syllabus and ICT and creative and critical thinking capabilities.	CC21 Team/APs
T3, Wk 3	E-learning room open to all community members during our coffee morning. This will be a time where parents/carers can visit the room, engage in lessons and watch demonstrations. Feedback from the community will be welcomed at this stage.	CC21 Team
T3, Wk 6	Executive team will collaborate to draft new report format for 2014 which incorporates ICT/creative and critical thinking capabilities. Share this with staff. Staff provide feedback through survey monkey.	Executive team
T3, Wk 7	E-learning room opened to Blacktown Learning Community schools to share ideas and journey. Visitors will be asked to share ideas that we could introduce to our room beyond 2013. This would also be a great platform to seek out staff with talents in various ICT areas and offer to use this room to support TPL across the local area.	DP
T3, Wk 9	CC21 Showcase. CC21 team to share our journey. CC21 team to establish links with other schools that we could work with/learn from in 2014.	CC 21 Team
T3, Wks 9- 10	Cooperative planning days extended to 2 days. Staff work with stage teams to develop a unit of work based on the English K-10 syllabus. This unit of work should incorporate the focus capabilities. Teachers to implement unit in the second half of T4.	All staff
T3, Wk 10	Staff to have submitted proposals for any changes to classrooms (eg;equipment, ICT, layout, furniture) in preparation for 2014 budgets.	Open to all staff
T4, Wk 1- 6	Staff buddy up (friendship basis) and share how their class works in the e-learning room.	All staff
T4, Wk 6	AP's organise a walk through of rooms with stage team. Each teacher shares any changes they have made to their classroom to support the blending of physical and virtual spaces to meet the needs of their students.	All staff
T4, Wk 8	Celebrating our successes – staff will be encouraged to share their successes with ICT this year. A morning tea or breakfast will be organised to compliment this occasion.	All Staf

Proposed Budget

Item	Cost (ex GST)
<i>Carpet</i>	\$ 500.00
<i>Furniture</i>	\$2600.00
<i>Pendo pads</i>	\$ 596.00
<i>iPad Docking Station</i>	\$ 90.00
<i>Teacher Release (CC21 meetings, training) - TPL</i> <i>. Innovate Conference</i> <i>. Mac ICT</i> <i>. Promethean</i>	\$4800
<i>Action Plan Preparation</i>	\$ 600.00
<i>iPads</i>	\$1280.00
<i>iPods</i>	\$ 760.00
Television	\$ 600.00
X-Box 360 + games	\$ 400.00
Glass	\$ 350.00
Accessories (cushions, beanbags)	\$ 400.00
ActivExpressions	\$ 699.00
Electrical work	\$2000.00
Apple laptop	\$1500.00
Lego Robotics	\$ 450.00
Total	\$17,625.00