



**e - Learning**

**Strategic Plan**

# e-Learning 2009

where we are now

<p><i>English</i></p> <p>wordprocessing youtube Moodle internet research websites visual images static images reading logs scholarship forum online Facebook</p> <p>radio station websites radio station editing software abode audition Indesign and photo shop EPIC database youtube mac final cut</p>	<p><i>Mathematics</i></p> <p>census excel spreadsheets problem solving sites fun mates sites data projector interactive games and activities moodle maths buddy emulator – graphic calculator electronic games powerpoints</p>
<p><i>Science</i></p> <p>Google searches powerpoint presentations word graphics data projectors smartboards excel applets youtube animations flash video clips graphics images jing podcasts</p>	<p><i>Social Studies</i></p> <p>internet research personal genealogy powerpoints inspiration youtube email interactive games websites maps te ara online encyclopedia online units films carbon footprint analysis 350.org activities powerful questions TVNZ on demand online quizzes NZ history film archive human rights careerquest kiwicareers wikapedia photostory moviemaker search engines topo online, google earth LEARNZ field trips flash animations stuent portfolios national geographic UNAIDS ONDISK GPS TUMONZ webspiration slide shows publisher online documentaries podcasts currency conversion sites department of foreign affairs Australia pacific island ATTO websites thinking skills analytical world electronic media</p>

e-Learning is learning and teaching that is facilitated by or supported through the smart use of information and communication technology

November 2011

# e-Learning

Where we are now

<p><i>Languages</i></p> <p>language perfect moodle podcasts languages online linguascope teleprompter dematsch extra conjugeneos video conferences epals.com youtube BBC mini series TVNZ on demand powerpoints recording sound files netlang michio kids web japan hiragana/katakana online tsunagaaru social networking NCEA revision site flashcards kanji teturus furigana podcasts forums online dictionaries newspapers translations trends music video speeches TKI wicked interactives whanake online maori TV linguaprime movie maker audacity</p>	<p><i>Arts</i></p> <p>scanner photoshop youtube research recorded for youtube internet research scanners and printers for image making powerpoint jing for Year 12 landscape painting research moodle for Year 11 for dance work submission peer feedback online journals powerpoints in accompanying lighting and soundtracks to accompany choreography sibelius dictation exercises music theory interactive website NCEA audacity n-track jing digital camera freeze frames assessment tasks moodle</p>
<p><i>Technology</i></p> <p>powerpoints KWOL illustrator advanced for repetition design research photo recording online units jing castes photoshop data projector digital recording photo editing architectural work publisher moodle inspiration brainstorming internet cratch software screencast mindmapping inspiration digital cameras scanners forums vidcasts</p>	<p><i>Business</i></p> <p>powerpoints DVD internet games resources webquest moviemaker photostory inspiration internet research graphing programme excel online revision tool moodle online marketing illustrator charts electronic communication graphic programmes MYOB, Digital camera, utube</p> <p><i>Physical Education</i></p> <p>video DVD powerpoint youtube google earth moodle – homework tasks analyzing movement on video internet wordprocessing silicon coach skill analysis moodle – resources inspiration mind maps excel interactive flash jing vod video camera video analysis</p>

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# Strategic Goal

Where we want to be in 2012

**To confidently use ICT for everyday practices to improve learning, teaching and administration.**

Learning	Strategic Actions			Evaluation (2012)
<p>We want our learners to be ...</p> <ul style="list-style-type: none"> <li>• At the centre of learning</li> <li>• Collaborative learners</li> <li>• Highly motivated</li> <li>• Independent thinkers</li> <li>• Life long learners</li> <li>• Connected</li> <li>• Future focused</li> <li>• Creators of knowledge</li> <li>• Critical thinkers</li> <li>• Confident creators of web artifacts</li> <li>• Engaged users of ICT tools</li> <li>• Inquisitive and active in seeking appropriate websites</li> <li>• Discerning researchers and critical appraisers of web resources</li> <li>• Aware of the ethics of using the internet (copyright, plagiarism)</li> <li>• To use ICT safely</li> <li>• Able to make meaning out of data</li> <li>• Use IT for enterprise</li> <li>• Confident connected life long learners</li> </ul>	2010	2011	2012	
	Be more systematic with the incorporation of e-Learning into the curriculum	Level One AS – track AS achievement with increased e-learning	Continue Level One tracking e-learning  Begin Level Two tracking of AS	
	Set more inquiry based learning tasks.	Trial blended learning	Increase non-teacher centric learning and consider effect on learning spaces (room layout)	
	IT Facilitators find out more about what students are managing to do in Years 7 & 8	2-3 teachers use Mahara with their classes e.g Biology	Mahara use 2-3 teachers in each department	
e-portfolios – trial group	Begin laptop cows, plan for one-one ratio	Mahara use 2-3 teachers in each department		
Improve computer access for all students	Plan for laptop use in class room i.e., study anywhere.	One to one device ratio. Students bring their own plus laptop cows.		
D44, D45, D46 Study Centre 7am – 5pm	Infrastructure – power supply for charging.			
Year 13 independent study system (3 cards)				

# Strategic Goal

Where we want to be in 2012

**To confidently use ICT for everyday practices to improve learning, teaching and administration.**

Learning	Strategic Actions			Evaluation (2012)
<p>We want our learners to be able to ...</p> <ul style="list-style-type: none"> <li>• Learn, collaborate and communicate effectively using digital technologies at school or at home</li> <li>• Confidently use – email, Moodle, internet, word</li> <li>• Be competent in – file management, powerpoint, excel</li> <li>• Be able to access knowledge independently –</li> <li>• Be able to access Moodle from home for assessment tasks, resources</li> <li>• Create blogs, podcasts, videos, photostories</li> <li>• Use inspiration competently</li> <li>• Contribute online content</li> <li>• Participate in safe online communities</li> <li>• To use the web to problem solve</li> <li>• Adapt to new technologies</li> <li>• Critically appraise other students work</li> <li>• Connect globally to other people and cultures</li> <li>• Store their work on H Drive</li> </ul>	2010	2011	2012	
	<p>Year 9 induction programme (3 hours)</p> <p>All students in Years 9 &amp; 10 complete more e-Learning tasks in all subjects.</p> <p>All students in Years 9 &amp; 10 have a coordinated e-Learning development in – Mathematics, Social Sciences, English &amp; Science</p> <p>Year 11 skills programme in the 25<sup>th</sup> hour (4)</p> <p>e-asTTle assessments for Years 9 and 10</p> <ul style="list-style-type: none"> <li>- Literacy</li> <li>- Mathematics</li> </ul>	<p>All year levels logged onto Moodle in week one.</p> <p>Year 11 complete more e-learning tasks</p> <p>e-learning tasks embedded across most subjects</p> <p>Year 11 skills programme in the 25<sup>th</sup> hour (4)</p> <p>e-asTTle assessments for Years 9 and 10</p> <ul style="list-style-type: none"> <li>- Literacy</li> <li>- Mathematics</li> </ul> <p>Begin using mobile phones in class</p>	<p>Year 12 complete more e-learning tasks i.e., ne NZQA standards are rolled out.</p> <p>Use Google Docs</p> <p>Use Google Sites</p> <p>e-learning tasks embedded across most subjects</p> <p>Year 11 skills programme in the 25<sup>th</sup> hour (4)</p> <p>Increase use of mobile phones in class</p>	

**Goal: To confidently use ICT for everyday practices to improve learning, teaching and administration.**

Teaching	Strategic Actions			Evaluation (2012)
<p>We want <b>all</b> our teachers to be able to...</p> <ul style="list-style-type: none"> <li>• Use “The School Intranet” confidently</li> <li>• Design tasks that develop students e-Learning skills</li> <li>• Use IT to effectively find resources</li> <li>• To use email appropriately and regularly</li> <li>• To access The Intranet from home</li> <li>• To confidently use Moodle software at school and at home</li> <li>• Use some Google applications</li> <li>• Collaborate with students</li> <li>• Identify teaching and learning benefits that come from specific use of ICT</li> <li>• Select the most suitable delivery mode</li> <li>• To do reports without stress</li> <li>• To establish connections with colleagues at SHCS and JMC</li> </ul>	2010	2011	2012	
	<p>L @ S, U Learn</p> <p>PD workshops</p> <p>Load all students on Moodle efficiently</p> <p>Hands on workshops not demos</p> <p>Regular peer teaching</p> <p>Have all course outlines on Moodle</p> <p>Have internally assessed tasks on Moodle with links to exemplars on TKI</p> <p>e-attendance workshops</p> <p>Teacher Only day (Tony Ryan)</p> <p>PD for all Year 9 Form teachers – Day One</p>	<p>L @ S, U Learn</p> <p>PD workshops</p> <p>Load all students on Moodle efficiently</p> <p>Use forums</p> <p>Hands on workshops not demos</p> <p>Regular peer teaching</p> <p>Course outlines and handouts on Moodle</p> <p>Time to practice and prepare new tasks</p> <p>PE, Languages assessment tasks</p> <p>Teachers Only day May – Westley Fields</p> <p>PD for all Year 9 and 13</p> <p>Foster communities between departments at SHCS and JMC</p>	<p>L @ S, U Learn</p> <p>Moodle 2.1 installed</p> <p>Use forums and other Moodle activities</p> <p>Use Mahara or Google sites for project outcomes</p> <p>Teacher Only Day with SHCS and JMC</p> <p>All staff to deliver units of work using e-Learning pedagogy.</p> <p>Each subject at each level will be audited for 2 units of work using specific e-learning pedagogy.</p> <p>Blended learning for all classes</p>	

**Goal: To confidently use ICT for everyday practices to improve learning, teaching and administration.**

	Strategic Actions			Evaluation (2012)
	2010	2011	2012	
<p>We want some of our teachers to be able to..</p> <ul style="list-style-type: none"> <li>• Help us in an encouraging way</li> <li>• Maximize the potential of               <ul style="list-style-type: none"> <li>* Smartboard</li> <li>* Photoshop</li> <li>* Silicon coach</li> <li>* Podcasts</li> <li>* Jing</li> <li>* Photostory</li> <li>* Sibelius</li> </ul> </li> <li>• Create a professionally responsible social network related to a curriculum area</li> <li>• Produce video tutorials</li> <li>• Create and use wiki sites</li> <li>• Search for new and useful software and applications</li> <li>• Mentor and guide other staff</li> <li>• Use Moodle as a centralized collaborative, file sharing area with links to unit plans and resources</li> </ul>	<p>Have workshops for specific departments</p> <p>IT guru in each department</p> <p>Provide IT PD for departmental IT Gurus</p> <p>Each teaching class to have an IT Angel</p>	<p>Mahara</p> <p>Have workshops for specific departments and time</p> <p>IT guru in each department</p> <p>Provide IT PD for departmental IT Gurus</p> <p>Each teaching class to have an IT Angel and form class</p> <p>Begin to incorporate blended learning</p>	<p>More blended learning for all classes</p> <p>Have some topics as completely student centric approach</p> <p>IT guru in each department</p> <p>Provide IT PD for departmental IT Gurus</p> <p>Each teaching class to have an IT Angel and form class</p>	

**Goal: To confidently use ICT for everyday practices to improve learning, teaching and administration.**

Administration	Strategic Actions			Evaluation (2012)
Admin needs to use ICT to ...	2010	2011	2012	
Manage reporting to parents	Constantly review processes	Constantly review processes	Electronic computer lab booking system	
Timetable	PD for staff e-asttle	PD for staff e-asttle –	Update staff handbook	
Processing marks and data	Redesign CM markbooks, so expected performance (parallels) can be compared to external grades	Maths/English	Staff handbook on line	
Communicating with parents	OGHS Diary	You-tube links on website	Single log on	
Marketing school	Email	Facebook Night	Year 9 e-learning orientation day one.	
Process absences	Online booking for Meet the Parents	Library – e-books	Integrate electronic notices	
Automatic business processes	Update website	Integrate electronic notices	Improve access to school rolls	
Library Management	Electronic register			
Book interviews for “Meet the Teacher”	Automatic payments			
Electronic ordering of stationery	School rolls accessible to cut and paste			
	Moodle workshop for office staff			



To achieve this goal the school needs to.

	Strategic Actions			Evaluation (2012)
	2010	2011	2012	
Provide reliable and effective infrastructure and hardware resources	<p>Upgrade network cabling and switching throughout the school</p> <p>Upgrade to Windows 7 on all computers</p> <p>Implement 'offline files' to enable teaching staff to take contents of network drives offsite</p> <p>Continue to implement smartboard like technologies</p> <p>Implement remote access for MUSAC</p>	<p>Implement ultra-fast fibre based broadband</p> <p>Continue to develop wireless network infrastructure including high speed wireless</p> <p>Evaluate/Implement 'Thin Client' technologies to provide cost effective computer resources</p> <p>Establish retirement/renewal schedules for technology equipment</p> <p>Evaluate the SchoolZone system</p>	<p>New laptops for staff, no docking stations</p> <p>Hook our system onto Dunedin's ultra fast broadband</p> <p>Move selected services (Musac, Moodle?) into the 'Cloud'</p> <p>Evaluate and implement environmental best practices for ICT (energy efficiency, recycling etc.)</p> <p>Monitor and increase storage capacity of data server</p>	
Provide and support administration and communications systems	<p>Implement Google Apps for all users (staff and students)</p> <p>Implement 'single sign on' for all systems</p> <p>Continue to roll out electronic absences</p> <p>Student lists then can be cut and pasted</p> <p>Continue to roll out remote desktop for MUSAC</p>	<p>Begin to evaluate / Implement handheld devices for teaching, learning and communication</p>	<p>Setup a 'parent portal' system to enable better parental involvement</p> <p>Mahara</p> <p>Electronic booking system for computer rooms</p>	

	Strategic Actions			
	2010	2011	2012	
Provide technical support	<p>ICT Staff to undertake PD on Windows Networking, Moodle, e-Portfolios SMS</p> <p>Establish a student 'IT angels' group to assist with ICT maintenance etc.</p> <p>Delegate some administration functions to office/library (user passwords etc.)</p>	Use of more free software	PD for ICT Staff on Cloud computing etc.	
Provide and support a learning management system	<p>Continue to develop Moodle</p> <p>Implement e-Portfolios</p>	Dr responsible for leading Moodle developments and professional development of staff with Moodle	Moodle 2.1 (Dr to introduce for staff) Mahara roll out?	
Provide professional development for staff	<p>ICT PD Contract</p> <p>TOD Term One</p> <p>2nd Monday Programme</p> <p>PD for Departments</p>	ICT PD Contract	<p>ICT PD Contract</p> <p>Departmental focus</p> <p>Consider post 2012 sustaining ICT PD –</p> <p>Make unit BOT \$ available?</p>	
Provide and manage software resources	<p>All software purchases to be approved by ICT Department (in conjunction with ICT Lead team)</p> <p>All software purchased must be capable of being networked</p> <p>Open up access to certain websites (YouTube etc.) for students</p>	<p>Formalise software requirements</p> <p>Implement a video and photo library system</p>	Consider again buying an adobe full site licence	
Provide e-learning support for cyber citizenship	Open access to Facebook, Youtube		Open access to Facebook, Youtube.	

	Strategic Actions			
	2010	2011	2012	
Provide updated hardware		<ul style="list-style-type: none"> <li>• 1 laptop cow (16) for digital photography</li> <li>• 2 x laptop cows for English (Full laptops)</li> <li>• 1 x laptop cow for Maths (netbooks?)</li> <li>• 1 x laptop cow for Languages (netbooks?)</li> <li>• Swap Business Studies to S67</li> <li>• 6 computers for Graphics</li> <li>• Recording system for music</li> </ul>	<ul style="list-style-type: none"> <li>• Portable TV for the gym</li> <li>• A big screen, data projector ??</li> <li>• Laptop / netbook cows for every department</li> <li>• 2 x laptop cows for science</li> </ul>	

## To achieve this goal we will need:

Shared Learning

Shared Visions

Shared Energy

Time

Buy-in from staff

Support from our colleagues

Resources

Imagination

Learning conversations

**Strategic Goal:**

Learning	2010 Actions	2011 Actions	2012 Actions	Evaluation
<p>We want our learners to be ...</p> <p>Confident with IT</p> <p>Capable with IT</p> <p>Inquisitive about new things</p> <p>Seeing internet as an aid to their learning not just for social networking</p>		<p>Students identify own IT Angels</p> <p>PD for staff for new Level 1 research (web based)</p> <p>Smartboard for Physics in S58</p>	<p>2 x laptop cows</p> <p>Developing Science citizenship through internet and class discussion</p> <p>Organise order of delivering units to maximize the potential of the laptop cows</p>	

**Strategic Goal:**

Learning	2010 Actions	2011	2012	Evaluation
<p>We want our learners to be able to ...</p> <ul style="list-style-type: none"> <li>• Discern junk science/pseudo science from real science – structural activity etc</li> <li>• Research project</li> <li>• Use applications               <ul style="list-style-type: none"> <li>* Word</li> <li>* Ppt</li> <li>* Excel</li> <li>* Inspiration</li> <li>* Audacity</li> <li>* Video &amp; share ‘Contribute’</li> </ul> </li> <li>• Take advantage of the kids willingness to share ‘themselves’</li> <li>• Share scientific knowledge in a peer – friendly way</li> <li>• Scientific literacy – correct words</li> <li>• Evaluate, process information</li> <li>• Find high quality information               <ul style="list-style-type: none"> <li>* Not only Wikipedic</li> <li>* Not only wikicourses</li> </ul> </li> </ul>	<p>Year 9 Research task Evaluating Quality of sources</p> <p>Year 10</p> <p>Year 11</p> <p>Year 12</p> <p>Year 13</p>	<p>All classes in Year 9 to evaluate quality of sources for one IT project</p> <p>Use laptops in class to use web artifacts and process experiments</p> <p>Use internet as a tool to achieve science citizenship</p> <p>Use Wikipedia wisely</p>	<p>Future facebook discussion groups</p> <p>Use laptops in class to use web artifacts and process experiments</p> <p>OGHS Science year 11 Facebook group</p> <p>Use laptops for ‘investigate’</p> <p>Use google sites and google docs more extensively</p> <p>Continue with Moodle for some Science subjects</p> <p>Evaluate sources effectively</p>	

# Teaching

	2010 Actions	2011	2012	Evaluation
<p>We want our teachers to be able to...</p> <ul style="list-style-type: none"> <li>• Tap into the students desire to share</li> <li>• Use applications to present lead student based activities and keep up with the students</li> <li>• Appropriate and real uses of IT, that is meaningful, fun – get the results +++</li> <li>• Use animations to show concepts (micro and macro) that are hard to explain and demonstrate</li> <li>• Evaluate effectiveness – how IT can actually improve learning</li> <li>• Counter their decreasing concentration span (is it IT’s fault)</li> <li>• Structure IT use e.g., research using a limited number of websites</li> <li>• Non ICT final product e.g, show understanding</li> <li>• Structured tasks               <ul style="list-style-type: none"> <li>* Evaluate websites</li> <li>* Identify key words</li> <li>* Breaking it down – reinforcing e.g., graphing appropriately</li> </ul> </li> </ul>	<p>ITPD at Departmental meetings</p> <p>Use Moodle</p> <p>Choose an IT guru to help other teachers</p> <p>Appoint IT angels in all classes</p>	<ul style="list-style-type: none"> <li>• Help students to find ‘Study it’ ‘Digistore’ ‘Khan Academy’ Douche</li> <li>• Create jing</li> <li>• Use google docs</li> <li>• Use Moodle for 9 forum</li> <li>• Set up a Science website</li> <li>• Investigate facebook for Science conversations with students</li> <li>• OGHS Science now on Facebook</li> <li>• More access to computers is needed</li> </ul>	<ul style="list-style-type: none"> <li>• Help students to find ‘Study it’ ‘Digistore’ ‘Khan Academy’ Douche</li> <li>Smartboard resource for this</li> <li>Google docs and science website</li> <li>OGHS science learning hub</li> <li>Science website done and developing</li> <li>Facebook for Science Popular at Year 11</li> <li>Use Khan academy</li> </ul>	