

SMART Classrooms

A strategy for 2011-2014



SMART Classrooms

This updated Smart Classrooms strategy builds on and acknowledges the distance travelled in previous ICT strategies. The new 2011-2014 strategy provides direction for harnessing the learning and business potential of ICT now and into the future and is the latest chapter in the clear, cohesive digital learning story that has evolved in Queensland over the past seven years.

This strategy recognises the demand for seamless movement between school, work, home and play. It is about educators and students working digitally in ways that pervade and impact every aspect of schooling (teaching and learning), and about providing personalised pathways to learning success.

Building on

Using business intelligence gleaned in previous years, the Smart Classrooms strategy has evolved, building on its focus on teaching and learning, providing a greater range of aligned and complementary services when working digitally. Smart Classrooms projects are designed to support learners and learning, creating the conditions for student success in a complex, changing digital world.

Cultural change

The strategy promotes the cultural change required to shape learning and the delivery of education services. Programs and initiatives within the strategy are directed at supporting school leadership teams to identify where their schools are now, where they want to be and how are they are going to get there.

Unlocking the potential

Smart Classrooms recognises there is still untapped potential that can be realised through the collaboration and sharing of best practice within the learning community. This is consolidated through a defined approach to systems focused on the user, that blend local and centrally provided content, delivered through a range of services that promote innovation.

This strategy promotes tailored professional development programs that showcase personalised learning through efficient use of eLearning tools and spaces. It provides the foundation that will allow teachers and school leaders to work together to deliver quality teaching and learning in a contemporary environment.

Enabling innovation

The department has taken significant steps towards transforming into an eBusiness to meet the future needs of education and schooling. The next phase of Smart Classrooms is about enabling innovation - creating the launch pad for shifting from traditional to transformational ways of working and learning.

Through Smart Classroom programs technology and learning platforms have been provided to enable creativity and innovation in the classroom. Students and teachers can now interact (learn, discover, collaborate, create and share) in a safe, fun, engaging and supportive environment.

This transformation is supporting a change in focus from school outcomes to student outcomes - and enabling personalised learning to become a reality.

Teaching and learning productivity

Smart Classrooms will deliver opportunities to improve teaching and learning productivity through improved access to aligned and complementary learning opportunities, resources and expertise for students and teachers.

Productivity is also increased in the school and classroom through more efficient ways of delivering a new and innovative range of shared services and opportunities for collaboration through targeted professional development and training. This will effectively position Queensland in a knowledge-based economy.

Being green

Through this strategy we will begin to address the sustainable use of ICT in ways that, where possible, reduce the department's environmental footprint and build knowledge and commitment for a sustainable future.

The Smart Classrooms eLearning Index has been revised to reflect this new strategy, and therefore places greater emphasis on learning and allows schools to respond to the challenges of living and learning in a dynamic digital world.

The table on pages 3-4 provides the outline of the Index and showcases the various Smart Classrooms projects that fit across its four new drivers:

- Working Digitally
- Developing Professionals
- Enabling Learners
- Harnessing the Enterprise Platform.

School leaders are encouraged to engage with each of these Smart Classrooms initiatives to further promote an eLearning culture.

eLearning planning

The School ICT eLearning Census collects information to aid in the calculation of the School ICT Grant and inform schools of their progress through the School eLearning Index.

The Index provides schools with a point-in-time overview of school readiness across the four new Smart Classrooms drivers. It may be used as a planning tool to help school leaders identify priority issues that may require targeted strategies.

The Index provides measurable data for schools from year to year to support long term strategic planning.

The Smart Classrooms Planning Cycle enables schools to utilise related information sources to plan for school improvement across areas identified as future priorities.

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WORKING DIGITALLY

Working Digitally is a reflection of how schools use digital technology as a way of moving from traditional to transformational ways of learning.

Regional Technology Managers

Regional Technology Managers across DET's seven regions provide leadership, integrated governance and support in implementing and using ICT resources and eLearning strategies.

Principal Advisors eLearning

These Advisors are regionally-based staff who support teachers to create connected, individualised learning experiences. They facilitate the sharing of knowledge, resources and services that support the delivery of quality teaching and learning in a contemporary environment.

OnePortal

OnePortal offers seamless access to all departmental information and resources for DET employees.

OneSchool

OneSchool provides seamless movement between work locations for staff. It is a school driven initiative focused on the design and deployment of a web-based, comprehensive, flexible, sustainable and integrated information management system that provides a single point of truth about students, teachers, schools, curriculum, performance and financials.

The Learning Place

The Learning Place provides staff and students with ubiquitous, safe and secure access to an innovative range of digital tools, resources and spaces for teaching and learning, collaboration and networking. Customised resource collections/packages, called Learning Pathways, are available across a range of curriculum areas and topics to support student learning and the implementation of the Australian curriculum. These can also be created, copied and adapted, blending content from a variety of sources to support the personalisation of learning for staff and students.

DEVELOPING PROFESSIONALS

Developing Professionals articulates expectations regarding teacher and leader capabilities necessary to deliver quality teaching and learning in a contemporary learning environment.

Smart Classrooms eLearning Leaders Framework

The eLearning Leaders Framework provides school leaders with a structure for reflecting on their role in creating and sustaining an eLearning culture. It is designed to support school leadership teams to purposefully engage with the Smart Classrooms Planning Cycle.

eLearning Principal Program

The Smart Classrooms eLearning Principal Program is designed to support Band 7 to 11 non-teaching principals and Band 5 to 6 teaching principals in delivering eLearning opportunities for their students.

Smart Classrooms Professional Development Framework

The framework is a professional learning guide that helps teachers embrace digital pedagogy. It does this by offering examples of how ICT can be used to support and extend student learning and by providing pathways for teachers to build professional values, relationships, knowledge and practice.

Smart Classrooms Education Support Workers Framework

The Education Support Workers Framework provides expectations for education support workers to guide their digital practice and support eLearning within the classroom.

ICT Learning Innovation Centre

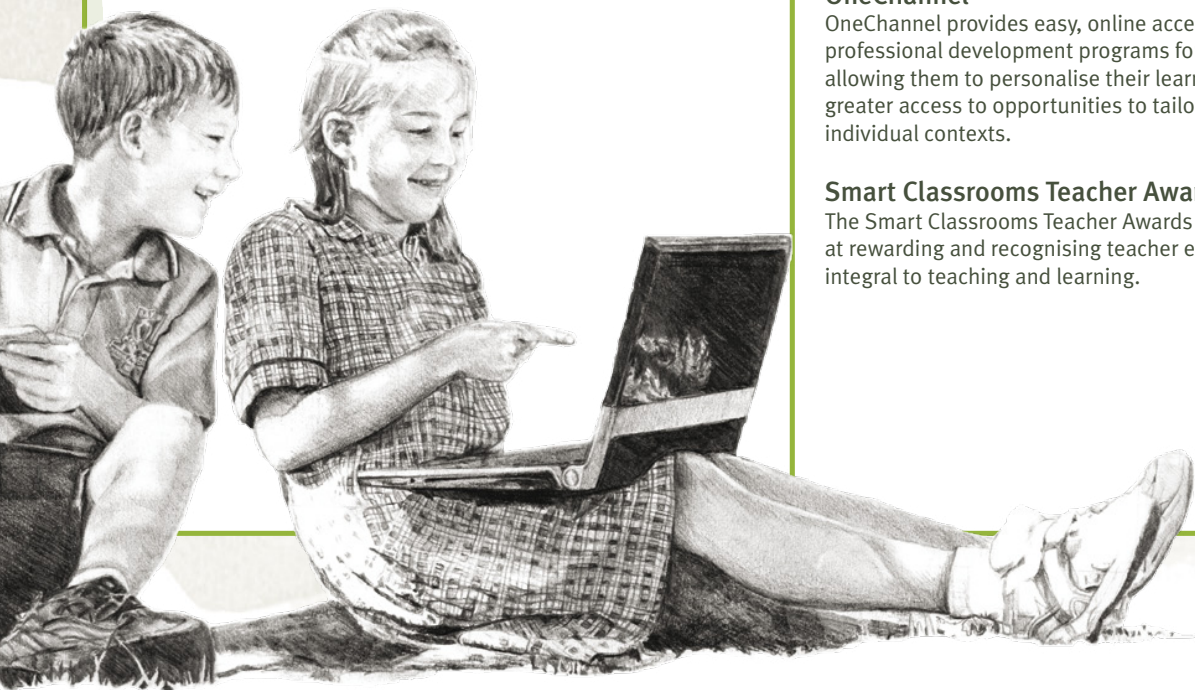
The ICT Learning Innovation Centre provides contemporary professional development opportunities exploring digital teaching and learning to address the diverse needs of learners. The centre supports innovative approaches to teaching and learning.

OneChannel

OneChannel provides easy, online access to live and on demand professional development programs for departmental staff, allowing them to personalise their learning. It provides schools with greater access to opportunities to tailor programs to individual contexts.

Smart Classrooms Teacher Awards

The Smart Classrooms Teacher Awards is an annual event aimed at rewarding and recognising teacher excellence in making ICT integral to teaching and learning.



ENABLING LEARNERS

Enabling Learners focuses on establishing effective learning environments necessary to address the needs of learners in a complex changing world.

eCurriculum

eCurriculum allows users access to quality learning materials. It is a comprehensive collection of digital resources for teachers and students. The eCurriculum is part of a 20,000-plus and growing digital resource collection in the Learning Place.

Student ICT Expectations

The Student ICT Expectations can help teachers and school leaders plan meaningful and engaging learning experiences that incorporate the use of ICT. They aim to help students develop their ICT knowledge, understanding, ways of working and skills needed for learning and working in today's digital world. Implementing the expectations can help schools engage with the national curriculum, which recognises that successful learners are creative and productive users of technology.

The Learning Place - student spaces

The Learning Place will deliver new digital tools, resources and spaces to support student learning and encourage users to move seamlessly between school, work, home and play. In this learner-centric environment, students will have more flexibility and choice over how and when they learn and move from being consumers of information to creators and publishers of new knowledge. The Learning Place digital environment will give students a new 'voice' by enabling them to collaborate, create, share, innovate and publish.

Library Services

The Library Services team offers advice on the business of libraries, as well as library design and contemporary learning spaces.

The Digital Classroom

This project features information, resources and professional development opportunities to support school leaders to understand, plan and develop environments and experiences for students learning in digitally rich contexts (including 1:1 programs). The program highlights the digital pedagogies required to move to more contemporary learning models with a strong focus on curriculum outcomes and student performance that may involve a range of internet enabled devices.

HARNESSING THE ENTERPRISE PLATFORM

Harnessing the Enterprise Platform focuses on the processes, systems and practices necessary to develop and maintain effective learning and business productivity.

Computers for Teachers

The Computers for Teachers program provides laptop computers to all Queensland state school and TAFE teachers who work more than two days per week. The program has completed the initial rollout and is now refreshing the devices to ensure teachers have the most up-to-date tools. The program will continue to look at new ways to ensure connectivity for users including such technologies as 3G.

Managed Operating Environment (MOE)

The MOE provides a standardised platform for efficient management of school computers, saving schools time and money on technical support.

Web and Internet Access Service (WIAS) and Managed Internet Service (MIS)

The WIAS delivers a complete managed internet service that provides a secure online experience for staff and students. This comprises filtered internet access, data carriage services, email, storage, hosting and support services.

Identity and Access Management

The Identity and Access Management program is developing the underlying technology to simplify how we access and use our learning and business systems and is a key evolution to move us to a more learner-centric approach to schooling.

Purchase IT

The department's online ICT procurement website PurchaseIT allows schools to compare approved ICT products, specifications, prices and warranty information online.

eLab

Smart Classrooms supports schools to develop innovative and creative practices that increase learning productivity and provide flexibility to meet the needs of their learners. Trials provide support through consistent agreed standards and facilitate the sharing of knowledge.

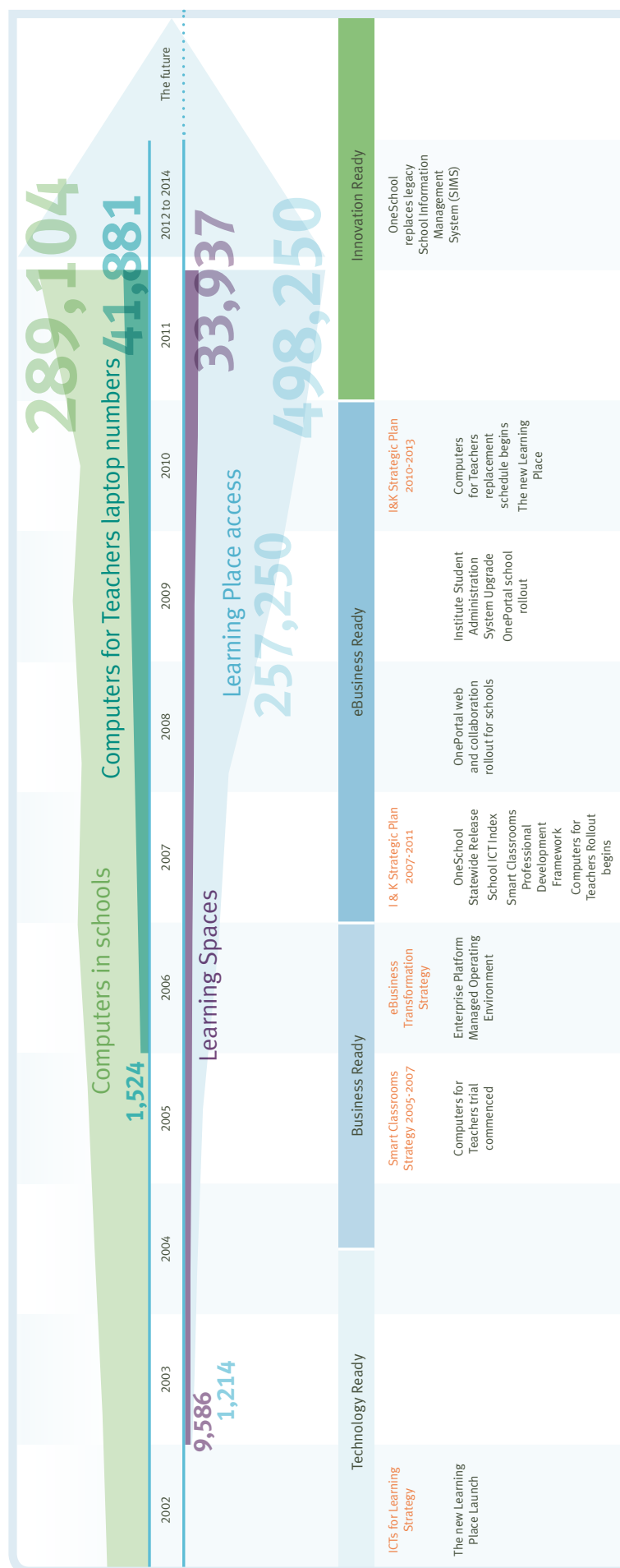
Service Centre (1800 680 445)

The Service Centre is the department's single-point-of-contact for ICT right across the state. All ICT requests are logged and managed from a centralised system.

Technology Architecture and Furniture

This project researches learning spaces - incorporating technology, design, flexibility and innovative furniture - to create effective spaces for students and teachers.

Smart Classrooms timeline





**Karen Swift, teacher,
James Nash State High**

My ICT journey has been a crazy rollercoaster for about the past three years. While I have toyed with digital technologies in the classroom for a number of years, my true journey did not begin until I commenced my Digital Pedagogy Licence. It has been one exciting, energetic and busy ride since!



**Gayle Thomas, teacher,
Royal Childrens' Hospital School**

Just like oxygen is essential to breathing, ICT is essential to delivering quality educational learning opportunities. It has the power to open up the world to our students if only we let it. It allows the students the freedom to experiment, self learn, communicate and connect with the world.



**Jessica, student,
Sunshine Coast high school**

During my last two years at school, I'm going to keep exploring new ways of learning – digitally. And even though I don't exactly know what I want to do, I do know that whatever I choose for my future, my life will be digital.



**Damien Powell, parent,
Mansfield State High School**

I never have to go searching for lost homework again. The teachers put it online and my kids can access it 24/7, wherever they are - they can even do their work from Nana's house over the weekend. It's such a great improvement!



**Lyle Walker, principal,
Parkhurst State School**

eLearning has transformed our school. Our students are already 21st Century citizens, and we are offering them a future-focused education where they are globally connected to the world through exciting learning opportunities.



**Tania Loneragan, head of special
education, Hambledon State School**

We would never be without technology for learning in our school. I've seen students who wouldn't talk to anybody, record themselves on iPods and then want to share their work and improve on their speech. It's just incredible.