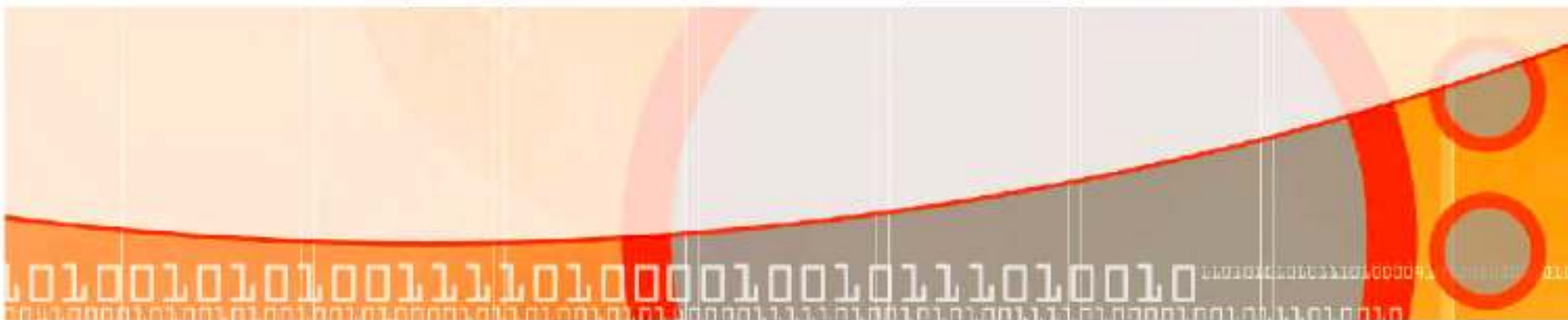
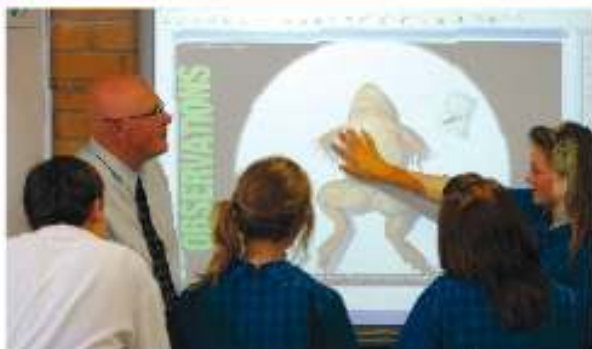


# Connected Classrooms Program



# Connected Classrooms Program

- *Major election commitment (March 2007)*
- *Backed by \$158m in funding over four years (2008-2011);*
  - *\$66m for every NSW public school to be equipped with an interactive whiteboard and video conferencing facilities (Interactive Classroom Project)*
  - *\$63m to expand bandwidth and improve the reliability and security of our wide area network (NGEN)*
  - *\$29m to deliver Learning Tools (Learning Tools Project)*

## Department ICT Strategy

We will build a trusted, collaborative learning community that leverages the department's size, diversity and excellence.

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# Key Messages

- Every government schools in NSW will receive a fully installed and equipped “Interactive Classroom.”
- Installations will happen in a phased way between June 2008 and June 2011.
- Every government school in NSW will benefit from the development of the Learning Tools project.
- Every government school in NSW will experience enhanced network bandwidth, security, network speed and reliability.

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# Interactive Classrooms Project

- 202 schools received this equipment by 30 June 2008
- 500 teachers attended the “iCommunicate, iCollaborate, iCreate” Interactive Classrooms Conference on 24th June.
- 400 additional schools will receive their equipment suite from August 17 to December 08 – this schedule will continue until all schools have received their ICP.
- The ITD Learning Systems Implementation teams are conducting two days of training in every school after ICP installation

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## Connected Classrooms Program

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# Next Generation Education Network Project

- Upgrade of school network to target 10Mbps across the state:
  - first 200 schools were completed by June 2008
  - planning and negotiations for schedules are underway with Carrier to upgrade another 1641 sites by June 2009
- Upgrade and improvement of internet filtering environment:
  - equipment purchased
  - test environment in place

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# Learning Tools Project

The Learning Tools Project (LTP) objectives are:

- To provide an adaptable and scalable system that will be able to deliver the latest Web technologies to staff and students as required.
- To provide a suite of learning tools applications to enable and enrich teaching and learning practices in NSW DET.
- To provide a secure online workspace for staff and students with the ability to create, store, edit, reuse, manage, view and deliver digital learning content from collections and repositories.
- To provide access to parents/caregivers to view their children's reports online.

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# Learning Tools Project to date

- Staff email upgrade - by the end of December 2008 all DET Staff on the same system as Corporate, school and TAFE staff
- Student email upgrade - by end of December 2008 all students both schools and TAFE provided with customised Gmail

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# Underpinning DET Research

1. “Exploring Pedagogy Using Interactive Whiteboards”- June 2007
2. “Supporting Student Learning Environments in a Digital Age: Listening to Young People”- December 2007
3. “Interactive Whiteboard End User Study-Listening to Teacher’s Voices” – December 2007
4. “Video conferencing and students : Listening to State Student Representative council voices in NSW”

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## “Exploring Pedagogy with Interactive Whiteboards” 2007

- Support for the elements and dimensions of the Quality Teaching Framework
- Facilitation of reflective practice
- Catalyst for teacher ICT learning
- Discovery and learning of new skills
- Immediacy, flexibility and convenience
- Interactivity
- Ease of use
- Visual nature of the board engaging for next generation students
- The match to student’s digital culture

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# “Interactive Whiteboard End User Study- Listening to Teacher’s Voices” – December 2007

- Need for in-house enthusiast/expert
- Use of “pressure and support”
- “Just in time” learning
- Coaching
- Some time/own time balance
- Home access to software

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# Stages of Adoption

- Stage 1: **Initial** – predominance of interest with functionality of the product
- Stage 2: **Rehearsal** – ability to play with the product when and where user wants
- Stage 3: **Trialling** – using products at work – experimenting with the bells and whistles

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# Stages of Adoption

- Stage 4: **Refining practice** – shared development of resources, examining personal practice and adopting language of Quality Teaching Framework
- Stage 5: **Expanding practice** – going beyond using QT practices in the classroom to sharing and expanding networks

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# **Classroom practice in action**

**“Enhancing Student Learning Using Video Conferencing”**

**“Making a Film: Life cycle Curl Curl North”**

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# Contact

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