Schools Sector

Tertiary
- 38 Universities
- 660k Students
- 17,370 Avg
- 71 Connections
- 3GB per capita pa

K12
- 9562 Schools
- 3.4M Students
- 356 Avg
- 8000 Connections
- 1 GB per capita pa
Baseline...

Technology types used by schools

Bandwidth capacity to schools (2008)

Source: FCS Bandwidth Survey 2008
... The mortal enemy of transformation is conventional wisdom ...
... An open question is whether the education sector is merely receiving a large sum of funds to bolster and maintain its monolithic system or if this spending will transform it into something fit for the 21st-century.

Clayton Christensen (2009)
If the architecture of new buildings is the same as that of existing schools - designed around teachers delivering **monolithic**, one-size-fits-all lessons to large batches of students...

Clayton Christensen (2009)
... It will lock students into another century in which the physical infrastructure works against the flexibility needed for student-centric learning

Clayton Christensen (2009)
... invest in bandwidth as an infrastructure of change

Clayton Christensen (2009)
The research identified Generation Z characteristics:

- 47% career enjoyment was their primary goal,
- 40% selecting the absence of discrimination based on race, gender or sexuality was vital in their choice of employer.
- Earning a lot of money was ranked a distant third
- Altruistic
- Care less about fame and fortune than Gen Y, and to care more about what their parents think;
- May return to more traditional values, and are focused on social justice issues;
- Prefer brands that align themselves with their value systems around the environment, as well as their strong spirit of humanitarianism.
- Generation Z has a deep connection with Australia - they seek to understand & comment on national issues and they are proud of Australia's multicultural nation status.
- Prefer humour in advertising above other characteristics
- Having a sense of community is paramount to Generation Z. They gravitate towards media which provides a sense of LIVE community.
phones tivo pda movies web movies
ps2 & xbox instant messaging bluetooth
blackberry records
fax books email mtv
pda games :) cable tv
car dvd tv cnn pagers
tv cd/dvd vhs
video conf. :( skype
magazines satellite tv
pen & paper mobile phones
net satellite tv
magazines mp3 player radio wifi
phones computers cassete
myspace google rss blogging itunes
VoIP
Riley Cross – Age 13
Riley Cross – Age 13

Logos of various companies and platforms.
Riley Cross – Age 13
2 billion **PC Chips** on the Internet
4 million emails per second
2 million **IM** messages per second
16 terabytes of **data** per second
2000 **phone calls** per second

(Source: Kevin Kelly)
Map of the World
A Learning Theory for the Digital Age
Content Providers

Skoolaborate

scootle

ABC iView

The learning federation

ClickView

Atomic Learning

editure

MURDERS UNDER THE MICROSCOPE

teachers.tv

skills1ne

Google Apps

MATHLETICS

Microsoft IT Academy Program

Hundreds of Videos About Getting A Trade or Skill
<table>
<thead>
<tr>
<th>Jurisdiction 1</th>
<th>Q1 2008</th>
<th>Q1 2009</th>
</tr>
</thead>
<tbody>
<tr>
<td>On-Net as % of Total</td>
<td>4.74%</td>
<td>29.59%</td>
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<tr>
<td>Off-Net as % of Total</td>
<td>95.27%</td>
<td>70.41%</td>
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<tr>
<td>Total Growth</td>
<td>17.61%</td>
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<tr>
<td>On-Net Growth</td>
<td>633.59%</td>
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<tr>
<td>Off-Net Growth</td>
<td>-13.07%</td>
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<table>
<thead>
<tr>
<th>Jurisdiction 2</th>
<th>Q1 2008</th>
<th>Q1 2009</th>
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</thead>
<tbody>
<tr>
<td>On-Net as % of Total</td>
<td>4.62%</td>
<td>57.17%</td>
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<tr>
<td>Off-Net as % of Total</td>
<td>95.38%</td>
<td>42.83%</td>
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<tr>
<td>Total Growth</td>
<td>42.29%</td>
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<tr>
<td>On-Net Growth</td>
<td>1662.00%</td>
<td></td>
</tr>
<tr>
<td>Off-Net Growth</td>
<td>-36.11%</td>
<td></td>
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</tbody>
</table>
The Lost Fight
Writing Workshop
Collaboration Services
Innovating For and By Users - Ground Up Research
Monday, 06 April 2009
This research looks at the socio-technological transitions and shifting roles of users in the design and innovation of broadband technologies and digital media.
Full Story

Encarta Officially Succumbs to Wikipedia
Wednesday, 01 April 2009
On October 31, 2009, Encarta Web sites worldwide will be discontinued, with the exception of Encarta Japan, which will be discontinued on December 31, 2009.
Full Story

Additional funding for new computers in 512 schools
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ABC Q&A - Conroy Gets Plenty of Attention about Filtering
Monday, 30 March 2009
It is usually the case with Q&A that particular ministers attract questions relating to their portfolios, but never has there been anything like the deluge of questions provoked by Stephen Conroy's...
Full Story

The Future of Machine Intelligence
Would you like Fries with your Maths
Razorfish - Digital Outlook Report 09 Released
New ACMA Report - National Perspective of Online
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Q&A: Min. on Education, Employment, Training and Youth Affairs
Monday, 30 March 2009
It is usually the case with Q&A that particular ministers attract questions relating to their portfolios, but never has there been anything like the deluge of questions provoked by Stephen Conroy's ...
Full Story

First look at new school performance reports
Education.au
Wednesday, 25 March 2009
Government welcomes Jobs for Youth report
Poor children 'less likely to improve'
Ministerial Council on Education, Employment, Training and Youth Affairs Communiqu??
World Digital Library launch
Turn kindy kids on to computers
Key Messages

- Who are we building this for?
- Strategic Investment
- Advancing the *Well Connected* Agenda
- Sustainable, Scalable, Cost effective
- Membership of an International Academic and Research Community
- Rich 21C Learning & Collaboration