K-12 Students “Speak Up” about Technology & Learning
- Are we listening?

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K-12 Students “Speak Up” about Technology & Learning
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EDUCAUSE Learning Institute
Annual Meeting
Creating a Successful Learning Culture:
Connecting Learners, Communities & Information

January 22, 2007
You just received this text message:

dis rm S filD W BNFs of A3 lerning Bt Its Nt B 404 bout d kdz POV RU ReD 2 tlk nw f ys ~~~ yr h& ciao

What is your next action?

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dis rm S fild W BNFs of A3 lerning Bt Its Nt B 404 bout d kdz POV RU ReD 2 tlk nw f ys ~~~ yr h& ciao

What is your next action?

1. Stand up
2. Wave your hand
3. Show us your cell phone
4. I don’t have a clue – I am over 21!

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Translation please!

dis rm S fild W BNFs of A3 lerning Bt lt's Nt B 404 bout d kdz POV RU ReD 2 tlk nw f ys ~~~ yr h& ciao

This room is filled with big name fans of anytime, anywhere, anyplace learning. But let's not be clueless about the kids' point of view. Are you ready to talk now? If yes, wave your hand. Goodbye.
Let’s talk about . . .

Expectations

Context

Trends

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Today’s learners and . . .

Devices & Tools
Uses of Technology
Value of Technology Skills
Schools of the Future

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Speak Up for Students, Teachers & Parents

• Annual national research project
  – Online surveys
  – Convenience sampling – open for all K-12 schools

• Collect data ↔ Stimulate conversations
  – Students, Teachers, Parents (new!)

• Inform policies & programs
  – Analysis and reporting
  – Services: custom reports, consulting with schools, Speak Up Your Way!

• Since 2003:
  – 795,000 K-12 students
  – 48,000 teachers
  – 15,000 parents
  – 10,000 schools – all 50 states, DC + DOD schools

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Speak Up for Students, Teachers & Parents 2006

• National sponsors
  – Advanced Network & Services
  – BellSouth Foundation
  – Dell, Inc.
  – Google
  – William & Flora Hewlett Foundation

• Network of 100+ nonprofit/association partners
  – Education
  – Business
  – Community

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Speak Up for Students, Teachers & Parents 2006

- This year’s survey question themes:

  - Learning & Teaching with Technology
  - 21st Century Skills
  - Communications, Connections & Self-Expression
  - Math & Science Instruction
  - Global Collaborations
  - Competitiveness & Workforce Preparedness
  - Designing Schools of the Future

What can we learn about today’s learners?

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Preliminary key findings from the student data:

- **Communications is still #1**
- **Self-directed learning on the rise**
- **Continued disconnect between students & adults**
- **Sophistication of youngest learners**
Let’s add some context:

**K-12 Classroom Internet Connectivity***

- 1994 – 3%
- 1996 – 14%
- 1998 – 51%
- 2000 – 77%
- 2002 – 92%

* NCES data

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Let’s add some context:

K-12 Classroom Internet Connectivity
2nd Graders – where are they now?

1994 – 3%: Your 3rd Year Students

1996 – 14%

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Let’s add some context:

**K-12 Classroom Internet Connectivity**

*2nd Graders – where are they now?*

1994 – 3%: Your 3rd Year Students

1996 – 14%: Your 1st Year Students

1998 – 51%

2000 – 77%

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Let’s add some context:

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Who are the real digital natives?
Are we ready for those natives?

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Speak Up for Students, Teachers & Parents 2006

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Technology Devices & Tools

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Technology Devices & Tools

Desktops - 75% of students K-12 use weekly

Laptops - 1/3 use weekly

New trend line:

9% of high schools use a smartphone or Blackberry
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Using Technology for Schoolwork

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Using Technology for Schoolwork

Email teachers – 25%

Use online text books – 22%

Email – IM classmate about a project – 40%

Check on a grade – 22%

Take an online class – 9%
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Using Technology for Schoolwork – Online learning

35% of students Gr 6-12 interested in taking an online class

Why?
1. To get extra help in a subject area
2. To take a class not offered
3. To work at one’s own pace
4. To get college credit – AP class
5. Interest in the topic

What subject areas? Math, Foreign Language

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Using Technology for Schoolwork – Assessment

How to show what you know?

- Tests – online and bubble
- Projects
- Presentations & portfolios

What about tests?
- Too much
- Worrying a lot
- Need to get into college
- Need to do well in college
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Technology Use – Outside of School

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Technology Use – Outside of School: Communications

Favorite communications tool?

- Email
- IM
- Cell phone for talking
- Cell phone for texting
Technology Use – Outside of School: Communications

Favorite communications tool?

- Email
- IM

Cell phone for talking

Favorite: 36% of students Grades 6-12
Daily use:  
73% Gr 9-12
57% Gr 6-8
42% Gr 3-5
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Technology Use – Outside of School: Connective-ness

Connecting with other students:

23% of students Gr 9-12 use online tools to connect with students around the US

17% of students Gr 9-12 to connect with students around the world

50% of students Gr 3-5 use online tools to connect with other students

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Technology Use – Outside of School: Connective-ness

Online friends:

44% of students Gr 6-12 connect with 20+ online friends monthly

34% of those friends have never met (Gr 6-12)

New trendline:

Students in Gr 3-5 - 22% have online friends they have never met
Technology Use – Outside of School: Connective-ness

- Make new friends - 34%
- Blog (create/post) - 22%
- Sharing writings online - 16%
- Create a podcast - 6%
- Posted a video - 13%
Technology Use – Outside of School: Connective-ness

- MySpace page - 51%
- Worked on a group project - 24%
- Play online games - 35%
- Shared music - 15%

New trend line:

Go to websites for TV shows/Movies:
25% of students K-12

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Value of Good Tech Skills: Top responses

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Schools Today: Obstacles to Using Technology

Grades 3–5

Access issues:
- Lack of computers
- Inconvenient locations
- Slow Internet access

Grades 6–12

Control issues:
- Rules against tech tools
- Teachers control when/where use
- School filters

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Designing K-12 Schools of the Future

Students K-12: Laptop for every student

Other ideas (from students Gr 6-12):

- Use cell phones/MP3 players/Handhelds - 46%
- Use email/IM/blogs - 45%
- Digital moviemaking equipment - 45%
- Interactive whiteboards - 44%
- Online textbooks - 39%
- Online classes - 35%
- Lessons/assignments on my iPod - 34%
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Trends to watch – as the real digital natives go to college!

Spectrum of digital native-ness

New communications devices and tools

Connecting without boundaries

Technology as tool – not fad or fun

Inclusion of student ideas in planning

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Speak Up : Next steps

Schools/Districts data access – Jan 26

National findings release – March 21
  • Student, Teacher & Parent Data
  • Comparatives

Custom Reporting & Consulting Projects – Spring/Summer

Speak Up 2007 question development – Spring

Speak Up 2007 Launch - October 1

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Speak Up : Next steps

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Speak Up 2007 Launch - October 1

Stay in touch with us:  www.netday.org/speakup

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Thank you!

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