Trends in Technology and Higher Education

Some ideas, some examples, and a lot of fast talking…
Thar Be Dragons...

I spend most of my time assuming the world is not ready for the technology revolution that will be happening to them soon.

Eric Schmidt
CEO, Google
August, 2010
Eric Schmidt: Every 2 Days We Create As Much Information As We Did Up To 2003

Every two days now we create as much information as we did from the dawn of civilization up until 2003, according to Schmidt. That’s something like five Exabytes of data, he says.

Let me repeat that: we create as much information in two days now as we did from the dawn of man through 2003.

“The real issue is user-generated content,” Schmidt said. He noted that pictures, instant messages, and tweets all add to this.

Schmidt noted that while technology is neutral, he doesn’t believe people are ready for what’s coming.

“I spend most of my time assuming the world is not ready for the technology revolution that will be happening to them soon,” Schmidt said.
Flickr reaches 5 billion photos

Woodward’s College, Vancouver, Canada

Oct 2004: 1,000,000
Nov 2007: 2,000,000,000
Nov 2008: 3,000,000,000
Oct 2009: 4,000,000,000
Sep 2010: 5,000,000,000

From Oct, 2009 to Sep, 2010 2,857,143 picture uploads daily

http://www.kullin.net/2010/09/flickr-5-billion-photos/
YouTube Surpasses Two Billion Video Views Daily

19 seconds The length of the first video uploaded to YouTube.

1.96 million The number of times the first video has been played.

185.39 million The number of times the most popular video on YouTube, Lady Gaga's "Bad Romance", has been played.

6.6 The factor by which YouTube's number of monthly video streams served (4.67 billion) exceeds that of the second-place site in that category, according to Nielsen.

$1.65 billion In dollars worth of stock, the amount Google paid to acquire YouTube in November 2006.

51 The number of languages into which Google's automatic speech recognition technology can translate YouTube videos and create captions.

Exceeds 2 billion views a day
Nearly double the prime-time audience of all 3 major U.S. broadcast networks combined

24 hours of video uploaded every minute

Average person spends 15 minutes a day on YouTube

More video is uploaded to YouTube in 60 days than all 3 major US networks created in 60 years

70% of YouTube's traffic comes from outside the U.S.

http://mashable.com/2010/05/17/youtube-2-billion-views/
What is a Viral?

- Passed from individual to individual
- Designed only for interactive media
- Under two minutes or less…
- “Edgy,” non-standard production values
- 1/3 Advertising, 1/3 Bzzzzz, 1/3 Whatever
Favorite viral of Millennials

*The Dog*

Umbro – France

http://www.youtube.com/watch?v=_DH2oRRDigw
As of September, 2010

333,294,471 views

Audiences
This video is most popular with:
- Gender: Female (13-17), Male (35-44)

Ratings: 474596
- Likes: 267144
- Dislikes: 207452

Comments: 1,171,190

This video is most popular in:

Honors for this video (4)
- #1 - Most Discussed (All Time))
- #1 - Most Discussed (All Time)) - Music
- #1 - Most Viewed (All Time))
- #1 - Most Viewed (All Time)) - Music

http://www.youtube.com/watch?v=kffacxfA7G4

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Most Tagged Photo in the World Has 70,000+ People

By Sasha Holburn posted July 1, 2010, 12:53 pm | 0

A panoramic photo containing more than 70,000 people has been opened up to tagging via Facebook Connect. So far, 2,500 of the Glastonbury Festival attendees have tagged themselves in the photo that was taken during halftime in one of England’s World Cup matches.
Most Tagged Photo in the World Has 70,000+ People

Glastonbury 2010

Twitter Hits 20 Billion Tweets

- June 20, 2010: 15 Billion Tweets
- March 11, 2010: 10 Billion Tweets
- August 23, 2010: 20,000,000,000,329

A Twitter channel set up for bookstore staff to tweet ridiculous comments by customers.
BookstoreBingo

A Twitter channel set up for bookstore staff to tweet ridiculous comments by customers

"I'm looking for a book that's like a Where's Waldo / Spider-Man crossover. 'Where's Spider-Man'. Do you have this?" #bookstorebingo

10:29 PM Jul 17th via web

Jake_Howell
Jake Howell

"I definitely don't want non-fiction. I like autobiographies and history."
#bookstorebingo

12:54 PM Jul 13th via web

joebfoster
Joe Foster
BookstoreBingo

A Twitter channel set up for bookstore staff to tweet ridiculous comments by customers.

"This is the only bookstore I've ever been in that didn't have a popcorn machine."
#bookstorebingo

joebfoster
Joe Foster

"Do you have Shakespeare in English?"
#bookstorebingo

mmerschel
Michael Merschel
BookstoreBingo
A Twitter channel set up for bookstore staff to tweet ridiculous comments by customers

I'm looking for a book but I only know the title, not the author. It's called Dante's Inferno. #bookstorebingo
10:06 AM Jul 13th via TweetDeck

Bookdwarf
Megan Sullivan

@shelfawareness #bookstorebingo
Overheard: "Can you tell me who the author of Shakespeare is?"
1:56 PM Jul 13th via web

LFrannie33
Lauren Demers
BookstoreBingo
A Twitter channel set up for bookstore staff to tweet ridiculous comments by customers

Customer (at 3 pm): What are your hours? Me: 9-11, Mon.-Sat. and--
C: You're only open for 2 hours a day?!
#bookstorebingo

2:12 AM Aug 15th via web

lizzyanna

Customer: What kind of bookstore doesn't have anything on Baywatch
#bookstorebingo

12:09 AM Aug 15th via TweetDeck
Retweeted by 2 people

KinokuniyaAust
Kinokuniya Sydney
BookstoreBingo

A Twitter channel set up for bookstore staff to tweet ridiculous comments by customers

#bookstorebingo Bookseller: We have some "For Dummies" books here-Customer: "Oh, I think there's a lot more than 4 of 'em, buddy."

10:34 AM Aug 17th via web
Retweeted by 3 people

joefoster
Joe Foster

omg Man: What does this shop do? Me: *smiles* We're a bookshop, we sell books. Man: How does that work? Me: um... #bookstorebingo

1:51 AM Aug 15th via web
Retweeted by 1 person

bellabookgirl
TLC Books

Surfing the Net
The demographics of the most popular social networking sites are rapidly changing. Today, more than ever, older Internet users are flocking to social sites to join in the conversation. In fact, the most significant growth among these sites in the last several years has been among adults 50 years and older, which has steadily upped the average user age across the board.

The average LinkedIn user is 44 years old.

The average MySpace user is 31 years old.

The average Facebook user is 38 years old. 61% of Facebook’s users are 35 or older.

The average Twitter user is 39 years old. 64% of Twitter’s users are 35 or older.

The average age of social networking site’s users is 37 years old.

Thar Be Opportunities...
Gartner sees huge potential for touchscreen devices in education.

“Consensus among the Gartner client U.S. school districts is that over half, and possibly as many as 75 percent, will be specifying touch and/or pen input within the next five years.”

Based on this prediction, Gartner analysts also predict that in 10 to 15 years an entire generation will have grown up accustomed to working on touchscreen devices.

http://mashable.com/2010/04/07/50-percent-pcs-touchscreens/
How long until schools are organizing D.A.R.E.-like anti-addiction programs to get kids off texting?

American kids under 18 send and receive roughly 2,800 texts per month, according to Nielsen, or about 93 per day. Assuming 7 hours of sleep per night, on average, that's about 5.5 per hour spent awake, or one every 10 minutes or so. In the next two age brackets, text-message usage falls by more than half each.

But it's people ages 18-24 who talk the most on their cellphones, according to Nielsen, averaging 981 minutes per month. These are probably the people most likely to not have landline phones, so this also makes sense.

A few more tidbits from Nielsen: African-Americans use the most voice minutes -- more than 1,300 per month, on average, versus 826 for Hispanics, 692 for Asians/Pacific Islanders, and 647 for whites; and they also text the most -- 780 per month, versus 767 for Hispanics, 566 for whites, and 384 for Asians/Pacific Islanders.

And women talk 22% more per month than men, on average, and send roughly 35% more text messages per month than men do.
India's $35 Android 7-inch Tablet to Hit in January

Engadget reports that India has just awarded the manufacturing contract to HCL Technologies.

The first shipment will supposedly only contain the 7-inch model and is set to arrive on January 10.

'It's unclear if the $35 price has stuck or whether India's been successful in plans to eventually drive the price down to $10 with the help of large orders and government subsidies.

Unveiled by the Human Resources Minister of the Union of India, Shri Kapil Sibal, in July, the device has generated significant interest among colleges and schools. The tablet device will have web browsing, including the ability to access YouTube.

Official specs have yet to be confirmed, but it's said to have WiFi, come in a variety of sizes, and pack 2GB of storage.

Though the press release is hard to decipher, it would seem the Indian government also has plans to launch a website containing quality educational content for the devices.


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Display and/or discussion of any given resource does not constitute endorsement of content nor products/services offered
iPad Orchestra is the Symphony of The Future

The iPad Orchestra was founded in 2010 to demonstrate the latest achievements in digital mobile music.

We strongly believe that some day people will be able to play any music instrument from mobile devices, such as an iPad.

http://ipad-orchestra.com/

http://www.youtube.com/watch?v=OBhJ_StdJE

http://www.youtube.com/watch?v=wCDW3Q1kKvc&feature=player_embedded

The iPad Orchestra

iTunes Preview

$7.99
Category: Music
Released: Aug 28, 2010
Version: 1.0
1.0
104 MB
Language: English

http://www.youtube.com/watch?v=wCDW3Q1kKvc&feature=player_embedded
Almost nine-in-10 pupils now have a mobile compared with fewer than three-quarters who have their own books in the home, it was disclosed.

The study by the National Literacy Trust suggested a link between regular access to books outside school and high test scores.

According to figures, some 80 per cent of children with better than expected reading skills had their own books, compared with just 58 per cent who were below the level expected for their age group.

The disclosure follows the publication of a study found that found keeping just 20 books in the home could boost children’s chances of doing well at school.

Research led by Nevada University, in the United States, said that children coming from a “bookish home” remained in education for around three years longer than young people born into families with empty bookshelves, irrespective of parents’ own education, occupation and social class.

Jonathan Douglas, National Literacy Trust director, said: “Our research illustrates the clear link with literacy resources at home and a child’s reading ability, as well the vital importance of family encouragement.
The world of web video is quickly evolving, and live video sites are benefiting. New data from comScore shows minutes spent on live streaming sites like UStream, Justin.tv, and Livestream are up 600% on a year over year basis.

In July users spent 1.5 billion minutes watching videos on those sites. It's still much smaller than recorded web video. YouTube alone served up well over 40 billion minutes worth of video in July. But, time spent watching YouTube only grew 68%.

This is potentially bad news for the cable companies. The more people get comfortable watching streams on the web, the less they need cable.

Obviously, the fare offered up on these sites isn't on par with what you get on premium stations, but if they can ever hit on a winning formula for a show or channel, people will be ready to tune in.
The New Twitter Is All About The Attention Economy

The attention economy, if you don’t know, is a term used to describe the competition between various sources of information and entertainment that we increasingly experience in the contemporary era.

On one hand, it describes a new cultural problem in which people seem to have less time and focus to dedicate to one thing.

On another, it also describes an economic problem: in the past, when people would focus on one TV channel or one newspaper, it meant ads were a lot more effective as you would actually have someone’s attention for a set amount of time.

Samsung Opens The Door To 1080p On Smartphones

Following Qualcomm, Samsung is also close to be launching a new smartphone processor with two cores. Based on ARM architecture, the new processor promises five times the graphics performance of current chips and enable 1080p video recording and playback.

Samsung today said that it will be ready to introduce its first dual-core processor for smartphones, tablets and netbooks in the fourth quarter of this year. Codenamed Orion, the chip integrates two variants of the ARM Cortex A9 architecture that run at a clock speed of 1 GHz.

Even more stunning, Samsung says the chip will not just play 1080p, but will do that at a full 30 fps. Using a new graphics processor, which the company did not explain any further, the 3D graphics performance will jump by a factor of 5.

A GPS unit is now directly integrated into the processor itself, there is a triple-interface controller, which means that Orion can run two screens and output data on a third screen such as a TV via on-chip HDMI 1.3a integration.

In related news, Samsung also announced … smartphones will integrate a dazzling 64 GB of integrated mass storage within 1 year: The new memory will be ready for mass production later this year, Samsung said.
Sony’s Google TV

October, 2010

- Web search
- Google Maps
- YouTube
- Picasa
- App favorites
- Picture-in-picture

Sony’s Google TV

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Logitech Revue is a companion box and controller that brings the experience of Google TV to your TV screen. It combines everything on the Web, cable or satellite content, apps, video calling and more....
Youngest generation of workers not recognizing skills most important to employers and economic success

For the new world of the Knowledge Economy, the ability to:

Communicate clearly and succinctly

Collaborate across borders and cultures

Interactive Customer Service

http://www.newswire.ca/en/releases/archive/September2010/10/c8490.html
May Day!  May Day!
Berlitz – United Kingdom

http://www.youtube.com/watch?v=VSdxqIBfEAw
Let’s continue the conversation!
Student Center 252
Thursday, October 7th
12:00 to 1:30
??? hsova@regent.edu

New technologies,
Trends in higher education,
Popular culture and stuff…

Come for a few
or the whole 90 minutes

University Faculty Retreat
Friday, September 24, 2010
7:30 a.m.-4:00 p.m.
Robertson Hall
Trends in Technology and Higher Education

Some ideas, some examples, and a lot of fast talking…