Examining the Web 2.0 Learner

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“If we teach today as we taught yesterday, then we rob our children of tomorrow.”

- John Dewey
Essential Question:

What methods or techniques can we use to increase student engagement?
Welcome
No Hats
Cellphones
Ipods
or
Electronic Devices
Who are our customers?

- Millennial Generation or Generation Y
- Born between 1976-1995 or 1988-2001 (depending on the source)
- Generation M2
  - 8- to 18-Year-Olds
  - Only know Bush and Obama
  - May not remember 9/11/01
How Do Teens Do Homework Today?
It takes a lot of multitasking, but Michaela admits that sometimes it's nice to focus on just one thing. Michaela is a 17-year-old high school student from Irvine, CA.

Read more:
What are they doing?
Total Media Exposure and Use

Among all 8- to 18-year-olds, total amount of media exposure, multitasking and media use in a typical day, over time:

- Total media exposure: 10:45
- Total media use: 7:38

29% Media multitasking

Among 7th to 12th graders, percent who multitask “most of the time” they are using each medium:

- Listening to music: 43%
- Using a computer: 40%
- Watching TV: 39%
- Reading: 22%

Total Media Exposure, By Age

Total amount of media exposure in a typical day, by age:

- 8-10 yrs-old: 7:51 hours
- 11-14 yrs-old: 11:53 hours
- 15-18 yrs-old: 11:23 hours

The Digital Native

http://www.edutopia.org/digital-generation-project-overview-video
So, our students should:

- Create engagement
- Promote and encourage self-directed learning
- Empower students
ISTE’s Educational Technology Standards for Students

- Communication & Collaboration
- Creativity & Innovation
- Research & Information Fluency
- Critical Thinking, Problem-Solving, & Decision-Making
- Digital Citizenship
- Technology Operations & Concepts
But isn’t there a digital divide?
Total Media Exposure, By Race/Ethnicity

Among all 8- to 18-year-olds, total amount of media exposure in a typical day, by race/ethnicity:

- White: 8:36 hours
- Black: 12:59 hours
- Hispanic: 13:00 hours

Minority Teens Close Digital Divide with Mobile Web

Teens from low-income households, particularly African-Americans, are much more likely than other teens to go online using a cell phone.

44% of black teens and 35% of Hispanic teens use their cell phones to go online, compared with 21% of white teens.

Social media like Facebook via phone

- 36% for Latinos
- 33% for blacks
- 19% for whites

(n = 800, ages 12 – 17)

Can we embrace the phone as an instructional tool?

- Most schools treat the phone as a disruptive force that must be managed and often excluded from the school and the classroom.

- Fundamental to effective teaching is student engagement (Barley, 2010; Cochran-Smith, Barnatt, Lahann, Shakman, & Terrell, 2009).
School: There's an App For That?
Cell phones offer a new way to expand learning beyond the regular school day, says Secretary of Education Arne Duncan.

Read more:
http://www.pbs.org/wgbh/pages/frontline/digitalnation/learning/schools/school-theres-an-app-for-that.html#ixzz1cJDe9G5T
What are they doing with their phones?

- 83% use their phones to take pictures.
- 64% share pictures with others.
- 60% play music on their phones.
- 46% play games on their phones.
- 32% exchange videos on their phones.
- 31% exchange instant messages on their phones.
- 27% go online for general purposes on their phones.
- 23% access social network sites on their phones.
- 21% use email on their phones.
- 11% purchase things via their phones.

Pew Research Center (2010)
Cell Phone Ideas

- Summarize Shakespeare by Text
- Calculate cell phone usage in dollars per minute of talk time, or average their text messaging habits?
- Student Produced Radio Show
- Audio podcast and mobile note-taking resources (such as Gabcast, Gcast, Hipcast, PrivatePhone)
- Photograph Biological Phenomena in Everyday Life
Google SMS applications
Use Google applications via SMS text message.

Many Google applications work on mobile phones via SMS text message.

Send to phone
Product availability varies by region

**SMS Search**
Get information on sports, movies, definitions and more

**Calendar SMS**
Check your calendar when you're on the go.

**Blogger SMS**
Keep your readers posted wherever you are.

**Gmail SMS**
Send free SMS to your contacts from Gmail.

**Google Voice SMS**
Send and receive SMS text messages through the Google Voice.
FREE Web2.0 Sites That Use Cell Phones

- Mass Text Message Alerts:
  - Pulse.to
  - Cel.ly
  - Broadtexter
  - Wetxt
  - Sendgm

- Mobile Photosharing, video sharing, slideshows and Posting to Web
  - Flickr
  - Photobucket
  - Dailybooth
  - Tumblr
  - Picassa Web (under Photo Settings-Upload by Email)

- Phonecall Recordings to Web
  - Google Voice
  - iPadio

- SMS Mobile Reviews and Quizzes
  - Mobiode
  - Study Boost

- Text Message Polling
  - Polleverywhere
  - Letsgovote
  - SMSpoll

- Avatars (phone recording to)
  - Voki
  - Blabberize

- Mobile Blogging (post to a blog via SMS)
  - Blogger
  - Tumblr

- Mobile Internet Radio Show (broadcast from phone call)
  - Blogtalkradio
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Teaching Techniques

- Encourage the development of learning communities
- Facebook Groups –
  - Secret: Only members can see the group and what members post.
  - Closed: Anyone can see the group. Only members see posts.
  - Open (public): Anyone can see the group and what members posts.
Friending Boo Radley
English teacher Jenny Johns uses social networking tools to teach classic literature, such as *To Kill a Mockingbird*.

Read more: http://www.pbs.org/wgbh/pages/frontline/digitalnation/learning/literacy/friending-boo-radley.html?play#ixzz1cYkG1P00
Teaching Techniques

- Develop opportunities for experiential learning.
- Small group discussions, projects, in-class presentations and debates
- Peer critiques, team projects, service learning, field experiences, developing simulations and case method approaches

http://www2.honolulu.hawaii.edu/facdev/guidebk/teachtip/GenY.htm
Flipping the classroom
What skills do we need?

By Andrew Churches
ISTE’s Educational Technology Standards for Teachers

- Student Learning & Creativity
- Digital-Age Learning Experiences & Assessments
- Professional Growth & Leadership
- Digital Citizenship & Responsibility
- Digital-Age Work & Learning
See the Future
The potential of SixthSense - Pranav Mistry

- [Link](http://www.ted.com/talks/pranav_mistry_the_thrilling_potential_of_sixthsense_technology.html)
You have a choice

Questions?
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