I am Not Content:
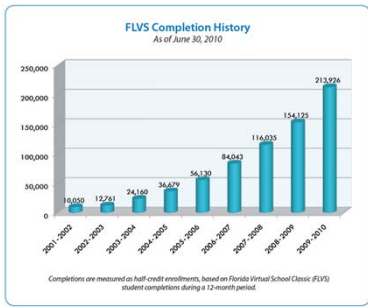## The Future of Education Must Come Today...!!!

Curtis J. Bonk, Professor, Indiana University
cjbonk@indiana.edu
http://mypage.iu.edu/~cjbonk/

February 4, 2011
New Enrollment History Chart: Florida Virtual School (Julie Young, President & CEO)

February 16, 2011
How Bill Gates' Favorite Teacher Wants to Disrupt Education, *Gregory Ferenstein*, Fast Company

April 12, 2011
NCTM Conference Session, Free Online Degrees; iSMART: Integration of Science, Mathematics, and Reflective Teaching (iSMART), University of Houston

You see the big picture. You find the connections.
Make it official - become iSMART.

Jen Chauvot and Mimi Lee, Univ of Houston

April 29, 2011
Shared Online Video
(e.g., YouTube and the Royal Channel)

April and August 24, 2011
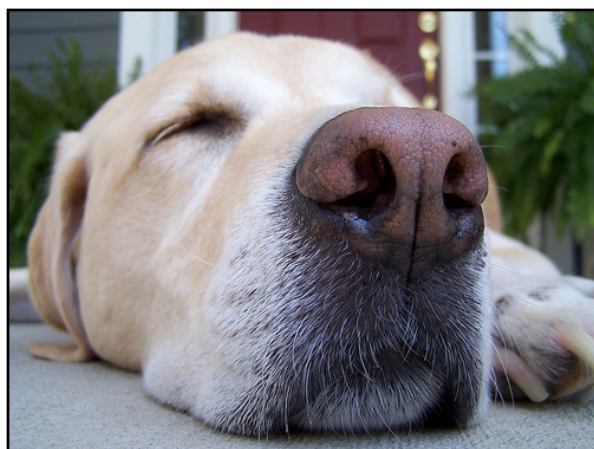**Departments Stay Afloat with new Online Ventures (new Ed.D. in IST/Ed Tech)**
(e.g., http://iuconnected.iu.edu/)
http://newsinfo.iu.edu/news/page/normal/19372.html

January 8, 2012
Moodle (58 million users in 223 countries, 73,696 sites, 5.9 million courses)

January 29, 2012
Apple's new electronic textbook initiative just another chapter in a developing story, Herald Times, Mike Leonard
http://www.heraldtimesonline.com/stories/2012/01/29/news.apples-new-electronic-textbook-initiative-just-another-chapter-in-story.sto?printf=1

February 21, 2012
Rethinking Learning with Salman Khan, Stanford Graduate School of Business
http://www.youtube.com/watch?v=W-vj6BhQa5w
Khan Academy Founder Finds Simplicity Appeals in Online Education Experimentation
http://www.gsb.stanford.edu/news/headlines/sal-khan-academy.html
Let's use video to reinvent education, TED, March 2011
http://www.ted.com/talks/salman_khan_let_s_use_video_to_reinvent_education.html

I am not Content!!!

Those where there are diseases and outbreaks…(SARS, 2003; H1N1, 2009-2010)

Those in hurricanes!
(Katrina, August 2005; Ike, Sept 2008; Irene, August 2011)

Snowmegeddon, Washington, DC
(winter of 2010)

May 24, 2010
Author Nicholas Carr, The Web Shatters Focus, Rewires Brains, Wired
http://www.wired.com/magazine/2010/05/ff_nicholas_carr/

Why should we be content?

14 Learning Technology Trends of the Past Year or Two…

1. Inexpensive Laptops and Netbooks

#2. Online Language Learning
January 27, 2010 and Feb 5, 2010: The Web Way to Learn a Language, NY Times, ERIC A. TAUB (e.g., EnglishCentral, iTalki, Palabea, Babbel)

#3. Tablet Computers Hit (iPad)
April 10, 2010: Seton Hill Univ, 2,100 students an iPad and freshmen a 13-inch MacBook laptop
Feb 1, 2011: An Android Tablet Made Just for School, David Zax, Fast Company
March 7, 2012: A new, high-definition iPad from Apple, CNN, Doug Gross and John Sutter

#4. Pocket Dictionaries and Digital Textbook Projects (Korea), July 6, 2011:
Husna Haq, In South Korea, all textbooks will be e-books by 2015, Speeding past the US, South Korea will be digitizing reading material in all public schools by 2015. Christian Science Monitor.

#5. Video Conferencing/Webcaming
Facebook introduces video calling, Eric Stoller, July 6, 2011, Inside Higher Ed

Alex Bonk in Dar es Salaam, Tanzania, February 2012

#6. Mobile Learning, February 14, 2012

Per Paul Kim, Director, Seeds for Empowerment: "Children in Newala, Tanzania learning English with mobile videos and writing stories. (Mobile Task Based Learning Workshop - Seeds of Empowerment). No electricity for 3 straight days, but we keep going!!"

August 2011
Seeds for Empowerment in Argentina
http://tecnologia.iprofesional.com/notas/120526-Telecom-y-la-cuna-de-Google-y-Yahoo-prueban-smartphones-educativos-en-escuelas-argentinas

We've Come a Long Way!

May 13, 2011
The Digital Campus
The Chronicle of HE
http://chronicle.com/article/Info-Tech-on-Campuses/127405/

Most Students Own Laptops
In 2010

3%	13%	46%	63%	84%
Dedicated e-book reader	Netbook computer	Desktop computer	Internet-capable handheld device	Laptop computer

College tech 'catching up' with students
Kathleen Gray & Robin Erb, USA TODAY, October 6, 2009

Abilene Christian University: …about 2,800 students and 70% of the 250 professors use the Apple technology for instructional purposes.

– **Art students use app to draft sketch** and send it to the teacher and other students for advice before starting the real art pieces.
– **A drama teacher takes video of the lead dancer** in a production and sends that along to other students for rehearsal.

Top Smartphone Apps to Improve Teaching, Research, and Your Life,
By Jeffrey R. Young, January 2, 2011, Chronicle of HE

Peter H. Abrahams, a professor of clinical anatomy at the University of Warwick (England):

video reference-manual app called Aspects of Anatomy for the iPhone. The software quizzes students by presenting them with medical scenarios, and asks them to name the relevant body part…38 short films…guiding viewers through anatomical models of human organs

An app called Aspects of Anatomy brings flashcards into the YouTube age. Designed by a professor the U. of Warwick, in Britain, the software includes three- to seven- minute videos. Medical students can, say, review a dissection of the thorax and upper limb while on a break.

Some Ideas from Educause Review
March/April 2011, Scott Perkins and Michael Casdorph, Georgia Health Sciences University, "The Digital Swiss Army Knife"

1. Attendance
2. Class roster
3. Class assignment due dates
4. Course calendar
5. Deliver course videos
6. Digital flashcards
7. Course blogging
8. Internet searching

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5 K-12 Applications
Five ways readers are using iPads in the classroom, eSchool News, May 27, 2011

1. Interventions: Math Drills
2. Enrichments: Spelling, pictures of work
3. Assistive Technology: improvement reports
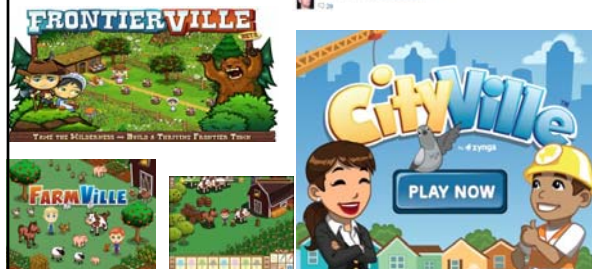4. Digital Literacy
5. Organizing Resources

#7. Shared Online Video:
TED, Academic Earth, TV Lesson, and Fora TV

#8. Social Networking Gaming
December 24, 2010: CityVille 16.8 million daily users, FarmVille's 16.4 million. CityVille 61.7 million monthly users, FarmVille 56.8 million users. Mashable.

#9. E-Book Readers
January 28, 2011: Amazon: Kindle Books Finally Eclipse Paperbacks, Doug Aamoth
March 2, 2011: Why Amazon would be smart to give away the Kindle, March 4, 2011, CNN Tech, Amy Gahran
November 8, 2011: Nook Tablet, USA Today

Worldreader, August 22, 2011
What Makes Ed Tech Successful in the Developing World?, ReadWriteWeb, David Risher
http://www.readwriteweb.com/archives/what_makes_educational_technology_successful_in_th.php
http://www.worldreader.org/

#10. Massive Open Online Courses (MOOC) and Graded Free OCW,
August 2, 2011, Stanford U. Offers Free Online Course in Artificial Intelligence, Jie Jenny Zou, Chronicle of Higher Education (over 135,000 sign up as of August 27)
http://www.ai-class.com/

September 15, 2011, Graded Free OCW
Welcome to Stanford Engineering, Everywhere (SEE), http://see.stanford.edu/
A computer and an Internet connection are all you need. View lecture videos, access reading lists and other course handouts, take quizzes and tests, and communicate with other SEE students, all at your convenience.

October 2010, The V-PORTAL (Bonk, IU)
"Video Primers in an Online Repository for e-Teaching and Learning" V-PORTAL, TravelinEdMan (27 free/open YouTube videos)
http://www.youtube.com/user/TravelinEdMan

#11. Badges for Online Learning
(e.g., Khan Academy,
http://www.khanacademy.org/badges/view)

#12. Augmented Reality, May 17, 2011:
USA Today, Edward Baig, May 17, 2011, Augmented reality has potential to reshape our lives.
(e.g., ZooBurst , Craig Kapp, NYU, pop-up books)
Verily Tan, Recollections from R685, Fall 2011, http://vimeo.com/33090590/

#13. Language Translation Tools, December 16, 2010
Introducing Word Lens
http://www.youtube.com/watch?v=h2OfOdYrHRs

#14. Online Portals and Open Educational Resources (OER) February 8, 2011
Google Art Project, Chronicle of HE (new Google project that allows visitors to explore museums around the world and view hundreds of artworks) http://www.googleartproject.com/

Where are we headed?

Who is Content Now?
Slides at: TrainingShare.com
Papers: PublicationShare.com
Book: http://worldisopen.com/
Email: curt@worldisopen.com