Masterclass Part I:
Where Are You R2D2?: Addressing Diverse Learner Needs with the Read, Reflect, Display, and Do Model

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February 9, 2012
A first-hand look inside a flipped classroom,
eSchool News, Meris Stansbury
http://www.eschoolnews.com/2012/02/09/a-first-hand-look-inside-a-flipped-classroom/

February 21, 2012
Rethinking Learning with Salman Khan, Stanford Graduate School of Business
http://www.youtube.com/watch?v=W-vj6BhQa5w

March 21, 2012
Let’s use video to reinvent education, TED
http://www.ted.com/talks/salman_khan_let_s_use_video_to_reinvent_education.html

March 12, 2012
Single-District Virtual Ed. Seen Growing Fastest
Education Week, Katie Ash
http://www.edweek.org/ew/articles/2012/03/15/25deploy.h31.html?tkn=RZMFu043KKKpisLyQbTZG5LUKO8NInElFg8u&cmp=clp-edweek&intc=TC12EWH

March 13, 2012,
Britannica to Stop Publishing Books
CNN Money Tech, Julianne Pepitone
http://moneymonitor.cnn.com/2012/03/13/201203132012031316163146590663765

March 24, 2012,
In South Korean classrooms, digital textbook revolution meets some resistance, Washington Post

Britannica stops presses and goes digital

Ahn Young-joon/AP - Teacher Yeon Eun-jung, right, helps student Ho-seok study on a tablet PC during a lesson at Sosu Elementary School in Gwesan, South Korea in July. The country is now scaling back a plan to digitize classrooms by 2015.
April 12, 2012
TEDx WallStreet, Michelle Rhee
Under Spending, Overspending, or Misspending, April 12, 2012
http://www.studentsfirst.org/blog/entry/under-spending-overspending-or-misspending
http://www.youtube.com/watch?v=RsiLLNzi-cM

April 18, 2012
Online-Education Start-Up Teams With Top-Ranked Universities to Offer Free Courses, Chronicle of Higher Education (e.g., Coursera)
(https://www.coursera.org/)

April 25, 2012
MIT+K-12
Making Video to Make a Difference
http://k12videos.mit.edu/

April 29, 2012
'M supersizing' the College Classroom: How One Instructor Teaches 2,670 Students, Chronicle of Higher Education, Marc Parry
http://chronicle.com/article/Slide-Show-Technology-for-633711/
http://www.youtube.com/watch?v=rBNe8CUePTQ&feature=youtu.be

John Boyer teaches a megaclass in current events at Virginia Tech in person—and holds online office hours using Ustream.
Blackboard/CourseSites
MOOC with Curt Bonk: ~3,600+ enrolled

May 2, 2012
MIT and Harvard announce edX
http://www.edxonline.org/about.html
http://www.youtube.com/watch?v=S45ELdRkRU
May 5, 2012
Shaq earns doctorate degree
http://www.youtube.com/watch?v=tSjheQnBdjo

May 8, 2012
"Project Re: Brief | Coca-Cola | Mobile Ad Demo"
http://www.youtube.com/watch?v=45Z-GevoYB8&feature=relmfu

May 14, 2012
iPad gives voice to kids with autism
Suprana Seshadri, CNN

Poll #1: Is this a revolution in education today?
A. Yes...
B. No...

How can technology address diverse learner needs?

Framework #1: The R2D2 Model
Yes, there are battles!

The R2D2 Method
1. Read (Auditory and Verbal Learners)
2. Reflect (Reflective Learners)
3. Display (Visual Learners)
4. Do (Tactile, Kinesthetic, Exploratory Learners)

1. Auditory or Verbal Learners
   • Auditory and verbal learners prefer words, spoken or written explanations.

Read 1a. Wikibook or Wikipedia Editing or Critiques
   • Ask students to critique a wikibook or page from Wikipedia

Poll #26: Wiki Question(s)
Have you edited or written new articles on Wikipedia or Wikibooks? Yes or No
Do you think it is ok for students to cite from Wikipedia? Yes or No
Read 1b. Online Crossword Puzzles
(e.g., http://www.eclipsecrossword.com/)

Read 1c. Listen to Open Access Podcast Shows (and write papers)

Read 1d. Learning Planet: Interactive Glossary
Umida Khikmatillaeva, Dec. 2011, P540
http://learningplanet.shutterfly.com/

Read 1e. Talking Dictionaries for Rare Languages
The Wall Street Journal, February 18, 2002
http://online.wsj.com/article/SB10001424052970204880404577228982976760026.html?

Read 1f. Online Article Portals and Databases
http://r685articledatabase.weebly.com/
http://ella.slis.indiana.edu/~bahalloc/r685/
Read 1g. Online Instructor Q&A
April 1, 2012, Piazza: https://piazza.com/

Poll #2: Do you think students prefer the “Read” part of R2D2?
A. Yes
B. Maybe
C. No
D. Not sure.

Pic-Lits (inspired picture writing) http://piclits.com/compose_dragdrop.aspx

2. Reflective and Observational Learners
   • Reflective and observational learners prefer to reflect, observe, view, and watch learning; they make careful judgments and view things from different perspectives

Reflect 2a. Critical Friend Blog Postings (Kristen and Susan)

Poll #3: Blogging Questions
1. Do you have a blog? Yes or No
2. Have you created a video blog? Yes or No?
3. Do you regularly read other people’s blogs? Yes or No
4. Do you assign blogging tasks in your classes? Yes or No

Reflect 2b. Expert and Domain Specific Blog Reflections (English, Health, Business, etc. blogs)
Reflect 2c. Cultural Blogs (e.g., Dr. Kim Foreman, San Fran State University, Come and See Africa Blog: http://comeandseeafrica.blogspot.com/)

Poll #4: Any light bulbs going off in your head so far...?
A. Yes definitely
B. Maybe
C. No

3. Visual Learners
- Visual learners prefer diagrams, flowcharts, timelines, pictures, films, and demonstrations.

Display 3a. Timeline Tools (e.g., USA Today, August 26, 2011)

Display 3b. Tracking the Life of a Scientist (e.g., Brian J. Ford, independent scientist)
Display 3c. Online Art
Google Art Project, NBC Nightly News, April 3, 2012
http://www.msnbc.msn.com/id/3032619/sp:46945508#46945508

Display 3d. Shared Online History Videos
(e.g., “History for Music Lovers” with over 50 songs including: Trojan War “Tainted Love” by Soft Cell; Charlemagne “Call Me” by Blondie, Cleopatra, Napoleon, Shakespeare, the Vikings)

Display 3e. Using Online Encyclopedias
(e.g, the Encyclopedia of Earth:
http://www.eoearth.org/

Display 3f. Educational Videos: TED-Ed
http://education.ted.com/

Display 3g. Radical Cartography
http://www.radicalcartography.net/index.html?chicagodots

Display 3h. Concept Mapping and Timeline Tools (VUE, Bubbl.us, Cmap, Freemind, Gliffy, Mindmeister, or Mindomo)
Display 3i. World Trends and Indices (e.g. Worldmapper)

Display 3j. The Planet (In Fact)

Display 3k. Download and Use Online 3D Sketches (Google SketchUp; download http://sketchup.google.com/3dwarehouse)

Display 3l. Weather-Related Visuals and Animations

Display 3m. Wordle
APedagogy of Abundance or a Pedagogy to Support Human Beings? Participant Support on Massive Open Online Courses, IRRODL, Kop, Fourrier, & Sui Fai Mak, November 2011

Display 3n. Interactive Population Maps
(adults with college degrees by county, May 7, 2012)

Figure 4. PLENK2010 Wordle.
Display 3n. Interactive Population Maps
(adults with college degrees by county, May 7, 2012)

Display 3n. Interactive Population Maps
(Graduation rates by state, May 7, 2012)

Display 3o. Interactive Weather Maps
(e.g., New USDA climate zone map reflects northward warming trends,
By Janice Lloyd, USA TODAY, January 26, 2012)

Display 3p. Lessons on iPad
(e.g., ShowMe: http://www.showme.com/)

Display 3q. Student Collaborative Knowledge Building and Sharing
(e.g., Popplet: http://popplet.com/)

Display 3r. Chemistry Videos
(Videos of the Periodic Table, Univ of Nottingham)
Display 3s. Online Timelines (US Presidents)

Display 3t. National Geographic Prehistoric Timeline

4. Tactile/Kinesthetic Learners

- Tactile/kinesthetic senses can be engaged in the learning process are role play, dramatization, cooperative games, simulations, creative movement and dance, multi-sensory activities, manipulatives and hands-on projects.

Poll #5: Podcast Questions

a. Do you listen to a certain podcast on a regular basis? Yes or No
b. Have you created a podcast? Yes or No
c. Who has created a vodcast? Yes or No

Do 4a. Podcast Productions and Shows

Do 4b. Negotiate Meanings Online (e.g., MeetingWords: http://meetingwords.com/)

MeetingWords is a simple text editor for the web.
Your text is saved on the web, and more than one person can edit the same document at the same time. Everybody’s changes are instantly reflected on all screens. Work together on meeting notes, brainstorming sessions, homework, team programming and more!
Do 4c. Virtual Microscopes

Do 4d. Virtual Worlds
(e.g., Dr. Monica Rankin's class, UT Dallas, Cuban Revolution)
http://www.youtube.com/watch?v=D4uBhZStako

Do 4f. Singing YouTube Summaries
Daniel Halluska, P540, Fall 2011
http://www.youtube.com/watch?v=10L7hGgno

Do 4g. Visual presentations
(e.g., Prezi)
http://prezi.com/ihmhhl59xd46/is-the-world-open/
http://prezi.com/8h7grxlyaymv/the-world-is-open/

Do 4h. Survey Research and Market Analysis
(e.g., Mister Poll, MicroPoll, Zoomerang, SurveyShare)

Do 4i. Uploading Mobile Books
(e.g., BookRix, http://www.bookrix.com/)
**Do 4j.** Podcasts for students of pronunciation class (e.g., Tzu-Su Chen, Taiwan)

**Do 4k.** Student Class Documentaries
Umida’s R546 Documentary Project
http://www.youtube.com/watch?v=EMLTzqCV_5A

**Poll #6:** Do you think students today prefer the “Do” part of R2D2?
A. Yes
B. Maybe
C. No
D. Not sure.

**Poll #7:** What phase of the R2D2 Method will you use most?
A. Read (Auditory and Verbal Learners)
B. Reflect (Reflective Learners)
C. Display (Visual Learners)
D. Do (Tactile, Kinesthetic, Exploratory Learners)

**Poll #8:** How many new ideas did you get from Part 1?
1. 0 if I am lucky.
2. Just 1.
3. 2, yes, 2...just 2!
4. Do I hear 3? 3!!!!
5. 4-5.
6. 5-10.

**Any Questions?**
Try the R2D2 Model!
Slides at: TrainingShare.com
Papers: PublicationShare.com
Book: http://worldisopen.com/
Email: curt@worldisopen.com