Where Are You R2D2?:
Addressing Diverse Learner Needs with the Read, Reflect, Display, and Do Model
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1. Risk
- Low Risk
- High Risk
- Easy to Embed
- Extensive Planning

2. Time
- Free or Inexpensive
- Enterprise Licenses

3. Cost
- Instructor-Focus
- Student-Focus
- Low
- High

4. Student-Centered

Addressing Learning Styles

Question: How can technology address diverse learner needs?

Framework: The R2D2 Model
Empowering Online Learning
100+ Activities for Reading, Reflecting, Displaying & Doing
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. Collect and Listen to Interactive Stories**
(e.g., Meograph: [http://www.meograph.com/](http://www.meograph.com/))
Timelines with Oral Histories, Slavery and the Making of America
Time and Place, PBS

**Read 1b. Listen to Open Access Audio Files and Podcast Shows**

**Read 1c. Follow Someone on Twitter (Twitter in Education)**
[http://twitterforeducation.wikispaces.com/Educational+Uses+of+Twitter](http://twitterforeducation.wikispaces.com/Educational+Uses+of+Twitter)

**Read 1d. Online Crossword Puzzles**
(e.g., [http://www.eclipsecrossword.com/](http://www.eclipsecrossword.com/))

Create Online Crossword Puzzles!
Read 1e. Grammar Checkers
(e.g., Grammarly, Ginger, GrammarCheck, PaperRater, and SpellCheckPlus)
http://www.grammarly.com/

Read 1f. Facebook Course Pages
(100 ways to use Facebook in education, e.g., homework help, polling students, highlight vocabulary, archive discussions)

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. Internship and Practicum Experiences

Reflect 2b. Big Issue Reflections
(Big Questions Online (BQO)), May 27, 2014
(e.g., What makes us generous? What is the difference between knowledge and understanding?)
http://www.bigquestionsonline.com/content/do-we-have-souls

Reflect 2c. Reflect on Virtual Timelines
(Dipity, xtimeline, Simile, etc.)
(How Facebook changed our lives, Marco della Cava, USA Today, February 3, 2014)
Reflect 2d. Create or Reflect on Virtual Timelines with Media
(Dipity, Simile, Xtimeline, Timeglider, Meograph)

Reflect 2e. Cultural Blogs (e.g., Dr. Kim Foreman, San Fran State Univ, Come and See Africa Blog; http://comeandseeafrica.blogspot.com/)

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

Reflect 2g. Interpreting Infographics
Infographic: Global MOOC statistics, April 17, 2014
eCampus News, Meris Stansbury
http://www.ecampusnews.com/research/infographic-moocs-global-436/
Infographic: https://magic.piktochart.com/output/1747660

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

Display 3a. Online Art
Google Art Project,
NBC Nightly News, April 3, 2012
http://www.nbcnews.com/id/3932619/v/46945508#46945508
Display 3b. Virtualize Words Used (e.g., Wordle, Taggedo, Tagul, WordSift, Word It Out)
http://shellyterrell.com/2010/02/14/12-word-cloud-resources-type-tools/

Display 3c. Interactive Map Timelines
(adults with college degrees by county, May 7, 2012)
http://todayscampus.com/article/Keith_Hampson_Interviews_Josh_Keller_on__Interactive_Graphics_for_Higher_Education

Reflect 2d. Reflections on Interactive Maps
Mapping the Dead: Gun Deaths Since Sandy Hook, Huffington Post, March 22, 2013
http://data.huffingtonpost.com/2013/03/gun-deaths-

Display 3e. Data Visualization Tools
(Harvard and MIT MOOCs) Lawrence Biemiller, February 20, 2014, Chronicle of Higher Education

Display 3f. Map Trend Interpretations
e.g., Global Forest Watch (April 2014)
http://www.globalforestwatch.org/map/3/-3.72/27.00/ALL/grayscale/loss/596

Display 3g. Making Projections (e.g., Surging Seas, Climate Central)
http://sealevel.climatecentral.org/
Climate changes visible by ZIP code with new online tools
Wendy Koch, USA Today, April 20, 2014
**Display 3h. Videos for clinical education**  
(Sungkyunkwan University School of Medicine, www.mededu.or.kr)

**Display 3i. Video Animations and Simulations**

**Display 3j. Virtual Microscopes**

**Display 3k. Visual Library Search**  
Digital Public Library of America  
http://dp.la/

**Display 3k. Explore Online Library**  
Timeline (e.g., Digital Public Library of America, http://dp.la/)

**Display 3L. Online Timelines**  
(US Presidents)
4. Tactile/Kinesthetic Learners

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

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

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

Do 4c. Uploading Mobile Books
(e.g., BookRix, http://www.bookrix.com/)
Do 4d. Student Mobile App Creation
Mintian Guo (April 2013): [http://myapp.is/r685final](http://myapp.is/r685final)

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Do 4e. Course Recap Prezi Presentations
Jeff Pankin, MIT, Prezi, Emerging Learning Technologies
[http://prezi.com/tzbawrgjrnzf/emerging-learning-technologies/?auth_key=4ec2f45a718fab699b35ea460e91a46d9e1bdac7](http://prezi.com/tzbawrgjrnzf/emerging-learning-technologies/?auth_key=4ec2f45a718fab699b35ea460e91a46d9e1bdac7)
Jeffrey Barnette, Today's World
[http://prezi.com/ijzyothst/r/r685-final-project](http://prezi.com/ijzyothst/r/r685-final-project)

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Do 4f. Singing YouTube Summaries
Daniel Halluska, PS40, Fall 2011
[http://www.youtube.com/watch?v=tOL7lrGsqnw](http://www.youtube.com/watch?v=tOL7lrGsqnw)

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Do 4g. Class or Community Oral Histories
(e.g., The History Harvest, December 21, 2012)
[http://historyharvest.unl.edu/collections](http://historyharvest.unl.edu/collections)

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Do 4h. Student Expertise (e.g., Learnist)
[http://learnist.org/category/featured#/category/featured](http://learnist.org/category/featured#/category/featured)

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Do 4i. Podcast Productions and Shows
[Podcast IST](http://podcast.ist)
Poll #1: What phase of the R2D2 Method do you like best?
A. Read (Auditory and Verbal Learners)
B. Reflect (Reflective Learners)
C. Display (Visual Learners)
D. Do (Tactile, Kinesthetic, Exploratory Learners)

Poll #2: How will you use R2D2?

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

Stop and Share:
Three Words from this Session!

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