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

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Introducing R2D2...

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

Read 1b. Reading from Open Access Journals (e.g., PLOS)

Read 1c. Course Announcements (e.g., Teaching with Twitter; Course announcements and following people (e.g., microblogging))

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

Read 1e. Online Article Portals and Databases

http://r685articledatabase.weebly.com
http://ella.slis.indiana.edu/~bahalloc/r685/
Read 1f. Online Crossword Puzzles
(e.g., http://www.eclipsecrossword.com/)

Read 1g. Talking Dictionaries for Rare Languages
The Wall Street Journal, February 18, 2002
http://online.wsj.com/article/SB10001424052970204880404577228982976760026.html#articleTabs%3Dvideo

Talking the Talk, for Posterity
Oral Online Dictionaries Help Preserve Languages, Cultures Muted by Modernity, The Wall Street Journal, February 18, 2002
http://online.wsj.com/article/SB10001424052970204880404577228982976760026.html#articleTabs%3Dinteractive

Read 1h. Online Instructor Q&A
April 1, 2012, Piazza: https://piazza.com/

Read 1i. Grammar Checkers
(e.g., Grammarly
http://www.grammarly.com/

The World’s Best Grammar Checker

Top 10 reasons you’ll love Grammarly 🎉

Read 1j. Interactive Flashcards
(e.g., Study Stack
http://www.studystack.com/flashcard-136259)

Study Stack
utopia

Learning Date: 3/3
Read 1j. Interactive Stories
(e.g., Meograph
http://www.meograph.com)

Reflect 2a. Individual Blogging
Reflections

Poll #23: 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. Critical Friend Blog Postings (Kristen and Susan)

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

Reflect 2e. Workplace and Field Reflections

Reflect 2f. Scenario Learning (e.g., Krispy Kreme Management 101)

Reflect 2g. Case and Online Discussion (Kelley Direct, IU)

3. Visual Learners

- Visual learners prefer diagrams, flowcharts, timelines, pictures, films, and demonstrations.
Display 3b. Medical Animations
(e.g., YouTube, CNN, BBC)

Display 3c. Human Embryology Animations
(Valerie O’Loughlin, Indiana University)

Display 3d. Radical Cartography
http://www.radicalcartography.net/index.html?chicagoadults

Display 3e. World Trends and Indices (e.g. Worldmapper)

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

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

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

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

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

Display 3k. Online Art
Google Art Project,
NBC Nightly News, April 3, 2012
http://www.msnbc.msn.com/id/30328197/tp/695455158469545308

Display 3L. Concept Mapping and Timeline Tools (VUE, Bubbl.us, Cmap, Freemind, Gliffy, Mindmeister, or Mindomo)

Display 3m. Student Collaborative Knowledge Building and Sharing (e.g., Popplet: http://popplet.com/)
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.
Do 4b. Wikibooks: International Collaboration (Web 2.0 and Emerging Learning Technologies (The WELT))

Poll #1: 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

Do 4c. Virtual Microscopes (Sungkyunkwan University School of Medicine, www.medu.or.kr)

Do 4d. Virtual Quizzes (Sungkyunkwan University School of Medicine, www.medu.or.kr)

Do 4e. Virtual Worlds (e.g., Second Life)

Do 4f. Simulation Games
Do 4g. Singing YouTube Summaries
Daniel Halluska, P540, Fall 2011
http://www.youtube.com/watch?v=tOL7rGgqw

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

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

Do 4j. 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 4k. Podcasts for students of pronunciation class
(e.g., Tzu-Su Chen, Taiwan)

Do 4l. Student Class Documentaries
Umida’s R546 Documentary Project
http://www.youtube.com/watch?v=EMLTzqCV_5A
Do 4M. Student Expertise (e.g., Learnist [http://learni.st/category/featured/#/category/featured])

Poll #2: 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)

Remember The TEC-VARIETY Model?
- Tone/Climate
- Encouragement, Feedback
- Curiosity
- Variety
- Autonomy
- Relevance
- Interactive Engagement
- Tension
- Yields Products

Poll #3: Do you feel “MOTIVATED” to try any of this out?
A. Yes, both
B. Yes, R2D2
C. Yes, TEC-VARIETY
D. Neither

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

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