

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

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### Introducing R2D2...



### Framework #2: 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



## 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.sis.indiana.edu/~bahallo/r685/>  
[http://php.indiana.edu/~cjbok/Syllabus\\_R685\\_Spring\\_of\\_2011.htm](http://php.indiana.edu/~cjbok/Syllabus_R685_Spring_of_2011.htm)



## Read 1f. Online Crossword Puzzles

(e.g., <http://www.eclipsecrossword.com/>)

**Create Online Crossword Puzzles!**

Welcome to EclipseCrossword!

EclipseCrossword is the first, easy, free way to create crossword puzzles to promote along the engagement! Crossword puzzles encourage logical thinking and correct spelling. Crosswords can be printed or published to your website.

It's never been simpler to get your EclipseCrossword! A lot of words and clues, and it shows the rest in seconds. You'll have a crossword puzzle with just the words you want. EclipseCrossword has been downloaded more than four million times by people just like you.

Who can use EclipseCrossword!

- Teachers and parents: Use crosswords to review vocabulary and increase for all subjects. Students may actually enjoy doing the assignment! Crossword puzzles encourage logical thinking and correct spelling. Crosswords can be printed or published to your website.
- Individuals: You can easily create online crossword puzzles with EclipseCrossword—crossword puzzles are a great way to get people to stay on your site, and come back in the future. Your visitors can play the puzzle right on your website, or you can print a printable version for their use online or at home.
- Businesses: Increase website traffic and sales! The adding a crossword puzzle can help and make people visit back at a later time and even share it with their friends. This can be used in your next promotion or marketing software.
- Word addicts: Use your EclipseCrossword to produce great looking crossword puzzles. If you're not sure what you'll make a crossword puzzle, check out our crossword puzzle generator.

<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 video player shows a man in traditional attire speaking into a microphone. A smaller inset video shows a group of people in a community setting. The video title is "Talking Dictionaries for Rare Languages".



## Read 1h. Online Instructor Q&A

April 1, 2012, Piazza: <https://piazza.com/>

The screenshot shows the Piazza interface with a "Sandbox Class" and a "question" section. A question asks "How to determine where you've already read..." and another asks "Why is kay Sarin running faster than G...". There are also video thumbnails for "Students Endlessly E-Mail Professors for Help..." and "Professors A T&A: Save Time, Teach Better."

## Read 1i. Grammar Checkers

(e.g., Grammarly  
<http://www.grammarly.com/>)

**The World's Best Grammar Checker**

Grammarly is an automated proofreader and your personal grammar coach. Correct up to 10 times more mistakes than popular word processors.

- Instantly find and correct over 150 types of grammatical mistakes
- Improve word choice with context-optimized vocabulary suggestions
- Avoid plagiarism by checking your texts against over 8 billion documents

Trusted by 3,000,000+ People  
 Used at Hundreds of Universities Worldwide

Top 10 reasons you'll love Grammarly

## Read 1j. Interactive Flashcards

(e.g., Study Stack  
<http://www.studystack.com/flashcard-136259>)

The screenshot shows a flashcard for the word "utopia". The card is currently showing the word "utopia" in the center. On the left, it says "Correct Cards (6)" and "Incorrect Cards (1)". On the right, it says "vagary" and "Remaining Cards (257)".

### Read 1j. Interactive Stories

(e.g., Meograph  
<http://www.meograph.com/>)

### 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. Individual Blogging Reflections

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

### 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 2c. Expert and Domain Specific Blog Reflections (English, Health, Business, etc. blogs)

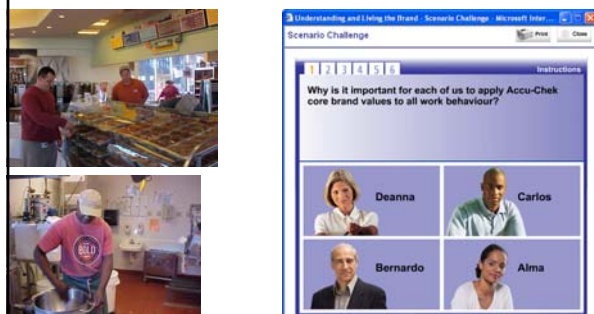
**Reflect 2d. Cultural Blogs** (e.g., Dr. Kim Foreman, San Fran State University, Come and See Africa Blog; <http://comeandseeafrica.blogspot.com/>)



**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**

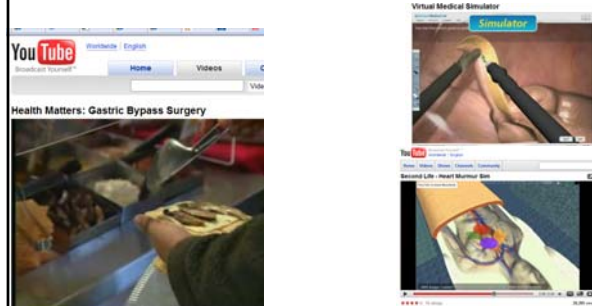
- Visual learners prefer diagrams, flowcharts, timelines, pictures, films, and demonstrations.



**Display 3a. Videos for clinical education** (Sungkyunkwan University School of Medicine, [www.mededu.or.kr](http://www.mededu.or.kr))



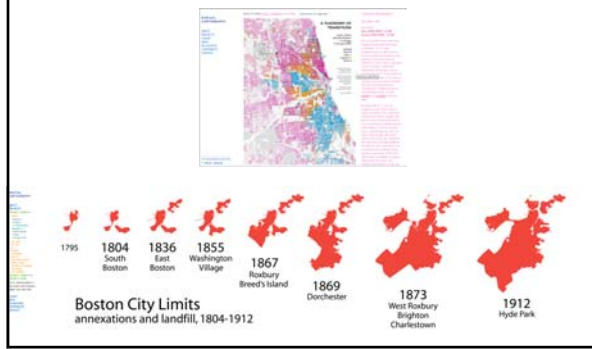
### Display 3b. Medical Animations (e.g., YouTube, CNN, BBC)



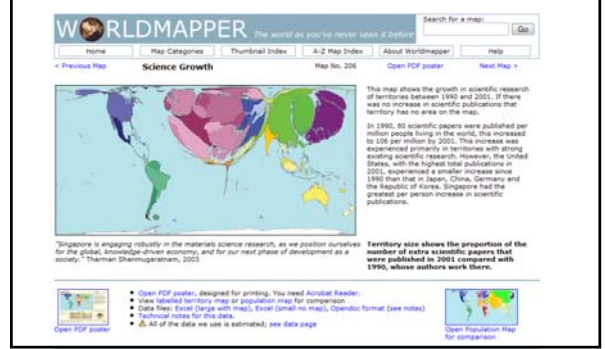
### Display 3c. Human Embryology Animations (Valerie O'Loughlin, Indiana University)



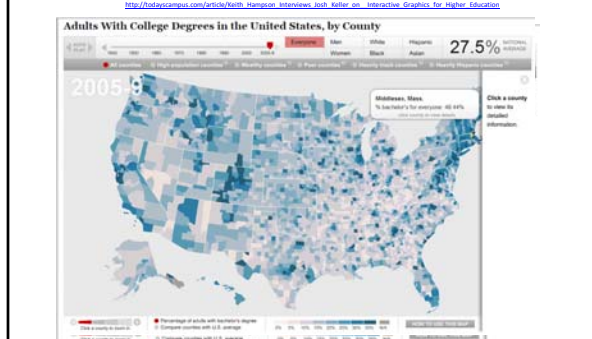
### Display 3d. Radical Cartography <http://www.radicalcartography.net/index.html?chicagodots>



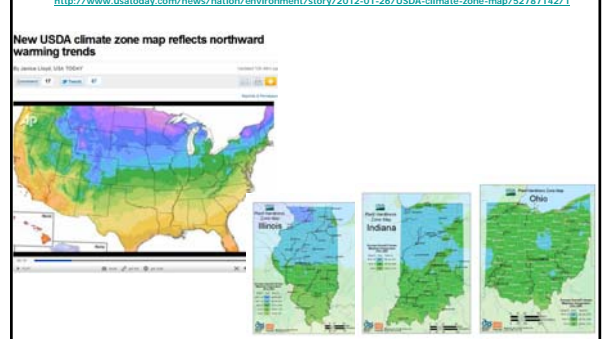
### Display 3e. World Trends and Indices (e.g. Worldmapper)



### 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)



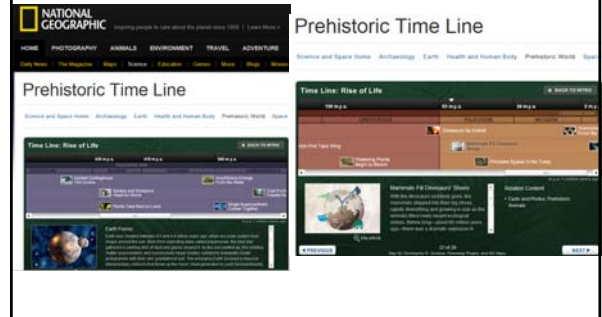


### Display 3n. Online Timelines (US Presidents)



### Display 3o. National Geographic Prehistoric Timeline

<http://science.nationalgeographic.com/science/prehistoric-world/prehistoric-time-line.html>



### Display 3p. Video Streaming November 18, 2012

MOOCs Gaining Popularity, But New Frontier For Scaling Up Online Classes Is Course Credit, Huffington Post (College), Justin Pope

<http://www.usatoday.com/story/news/nation/2012/11/18/more-on-board-with-online-education-trend-of-moocs/1713079/>



### Display 3q. Video Art Tutorials ArtMaker.com

<http://artmaker.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 4a. Podcast Productions and Shows





**Do 4b. Wikibooks: International Collaboration (Web 2.0 and Emerging Learning Technologies (The WELT))**

Web 2.0 and Emerging Learning Technologies  
From Wikibooks, the open-content textbooks collection

The image shows two book covers. The left one is 'Web 2.0 and Emerging Learning Technologies' with a colorful circular logo. The right one is 'THE PRACTICE OF LEARNING THEORIES' with a lightbulb icon and a sign that says 'The POLT'.

**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**

The slide features a 'WIKI' logo with stylized figures and a small photograph of a man in a dark shirt sitting at a desk.

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

The image shows a screenshot of a virtual microscope application. It displays a histological slide of tissue. Below the main view, there are smaller images and text: 'Stomach, endoscopic examination and biopsy. Poorly differentiated tubular adenocarcinoma.' and 'Final conclusion: Advanced gastric carcinoma with multiple lung metastasis with lymphatic growth.'

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

The image shows a screenshot of a virtual quiz interface. It includes a list of questions, a grid of small medical images (like X-rays and histology slides), and a larger detailed view of a histology slide.

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

The image shows a screenshot of a virtual world interface, likely Second Life. It features a 'YouTube' player with a video titled 'Medical Simulation in the Virtual World of Second Life by MUVERS'. The video content shows a virtual medical simulation with avatars in a hospital setting.

**Do 4f. Simulation Games**

The image shows two screenshots of simulation games. The left one is a military training simulation with soldiers in a virtual environment. The right one is a virtual world scene with avatars in a landscape. Below the right screenshot is the caption: 'Patriot Academy conduct near-and-far security'.

**Do 4g. Singing YouTube Summaries**  
 Daniel Halluska, P540, Fall 2011  
<http://www.youtube.com/watch?v=tOL7lRgsgnw>

**Do 4h. Visual presentations (e.g., Prezi)**  
<http://prezi.com/1mhh159xd46/is-the-world-open/>  
<http://prezi.com/8h7arxlyawmv/the-world-is-open/>

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

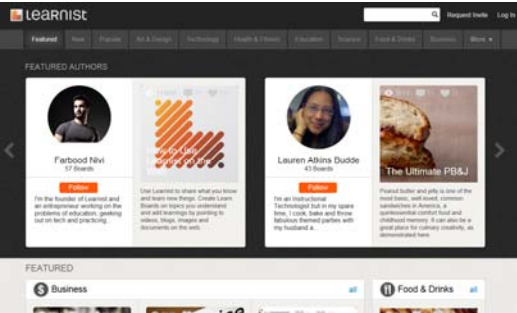
**Do 4j. Negotiate Meanings Online (e.g.m MeetingWords: <http://meetingwords.com/>)**

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)**

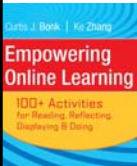


**Do 4L. Student Class Documentaries**  
 Umida's R546 Documentary Project  
[http://www.youtube.com/watch?v=EMLTzqCV\\_5A](http://www.youtube.com/watch?v=EMLTzqCV_5A)

**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](http://TrainingShare.com)
- 😊 Papers: [PublicationShare.com](http://PublicationShare.com)
- 😊 Book: <http://worldisopen.com/>
- 😊 Email: [curt@worldisopen.com](mailto:curt@worldisopen.com)



