

Media Technology, and Learning 1

EDUC 715 – Spring 2020

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Agenda

- Empirical article presentations
- Discussion of readings
- Media selection
- Final project discussion and check-in

Discussion

1. For each reading this week, choose one quote or idea that resonated with you and explain why.
2. What connections did you make between these main ideas from today's readings and the main ideas from previous units?

Strategies for Reducing Cognitive Overload in Multimedia Instruction

1. Off load: Move some essential processing from visual to auditory channel
2. Segment: Allow time between successive bite-size segments
3. Pre-train: Provide pre-training in names and characteristics of components
4. Weed: Eliminate interesting but extraneous material

Mayer, R. E., & Moreno, R. (2003). Nine ways to reduce cognitive load in multimedia learning. *Educational Psychologist*, 38(1),43-52.

5. Signal: Provide cues for how to process the material
6. Align: Place printed words near corresponding parts of graphics
7. Eliminate redundancy: Avoid presenting identical streams of printed and spoken words
8. Synchronize: Present narration and corresponding animation simultaneously
9. Individualize: Make sure learners possess skill at holding mental representations

Mayer, R. E., & Moreno, R. (2003). Nine ways to reduce cognitive load in multimedia learning. *Educational Psychologist*, 38(1),43-52.

Final Project

- Media Selection
 - Demo
 - Group Exercise
- Curriculum Design Project
 - Draft of curriculum and unit outcomes due to Google Docs by?
 - File > Email collaborators
 - One person in a group emails to KY

For Next Week

- Unit 9: Media Technology, and Learning 2
- Assignment due:
 - Weekly synthesis
 - Drafts of curriculum design
 - Empirical article presentations
 - 48 hours in advance review and feedback