Preparing Students for In-Person Learning: Using Padlet to Reduce Cognitive Load in a Hybrid Program

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You!
Session Goals

By the end of this session, participants will be able to...

1. Explain the use of Padlet to reduce cognitive load in a hybrid learning environment

2. Articulate the benefits of Padlet for creating a flow between online and face-to-face learning experience in a hybrid program

3. Create a Padlet to use in a current or future course
Session Line-Up:

- 5 minutes - Background
- 5 minutes - Introduction to Padlet
- 15 minutes - Creating a Group Padlet
- 10 minutes - Building Your Own Padlet
- 10 minutes - Q & A
Our Program

- Doctor of Occupational Therapy Program
  - 2-year hybrid, accelerated program
  - Students take their classes virtually
  - Students come to campus 5 times in the first calendar year for their hands-on lab immersions
Why reducing Cognitive Load is important?

• Students experience challenges in hybrid learning (Boelens et al., 2017; Moussa-Inaty, 2017).

• Accelerated program requires acquisition of a significant amount of knowledge and skills in a short time frame.
What is Cognitive Load Theory?

- Reduce
- Manage
- Foster
Padlet: Why We Use It

• Ease of use
• Visually appealing
• Customizable
Padlet: How We Use It

• “One-Stop-Shop”
• Critical thinking/reflection
• Meta comprehension
• “Shelf”
  • Organization
To Consider When Building a Padlet for Hybrid Learning

• 3 areas for consideration (Kirschner et al., 2018)
  • The learning task
  • The individual learner
  • The group

• Take Advantage of Auditory AND Visual Channels in Working Memory

• Bloom’s Taxonomy/Learning Objectives

• Reduce Split-Attention effect

• Needed pre-requisite skills

• Limited Capacity

• Motivation
Padlet Example #1
Padlet Example #2
Padlet
Example #3
Student Reactions to Padlet

• Appreciation for the ease of use
• Usefulness with lab immersion preparation
• Engaged before, during, and after
  • Good flow with hybrid course
• Reduction in anxiety of lab experience
Focus for Padlet Build-Out Today

- Topic: Using Padlet to Reduce Cognitive Load
- Components
  - References
  - What do you want the students to accomplish
  - How will you gather feedback?
Focus for Padlet Build-Out Today

• Topic: Hybrid
• Components that a student would need to know before the onsite experience
  • Resources
  • Tips and Tricks
  • Infographics
  • Ideas for Use
Cognitive Load Principles to Consider

• The Coherence Principle
• The Signaling Principle
• The Redundancy Principle
• Spatial Contiguity
• Temporal Contiguity

...But don’t make it TOO simple!
Let’s Build a Padlet!

Watch while we guide you through the basics, then you will join us!
Join the Padlet!

https://padlet.com/bridget_scheidler/f58snqbgxwcw3wkr
Sign-Up for Padlet

Use the Padlet we just created and click the “sign-up” tab to create your free account.
Gather Virtual Materials

Where in your course/curricula could you use a preparatory platform to enhance learning?

Possible materials

- Schedule
- Readings/Media
- Case Studies
- Rubrics
- List of what the students will need to bring/have
- Feedback forms
Build Your Own!

Take a few minutes to start building your own
• Questions?
• Contributions?
  • Where will you use Padlet in your classroom?
Contact Us

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OUR WEBSITE
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