



active learning **STRATEGIES**

Active Learning at a Distance

Massachusetts
Colleges **Online**
one click. zero commute.

9th Annual
Conference on eLearning

Sharing Best Practices

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My Plan...

Problem of active learning at a distance...

- **What** is the problem?
- **Why** is it a problem?

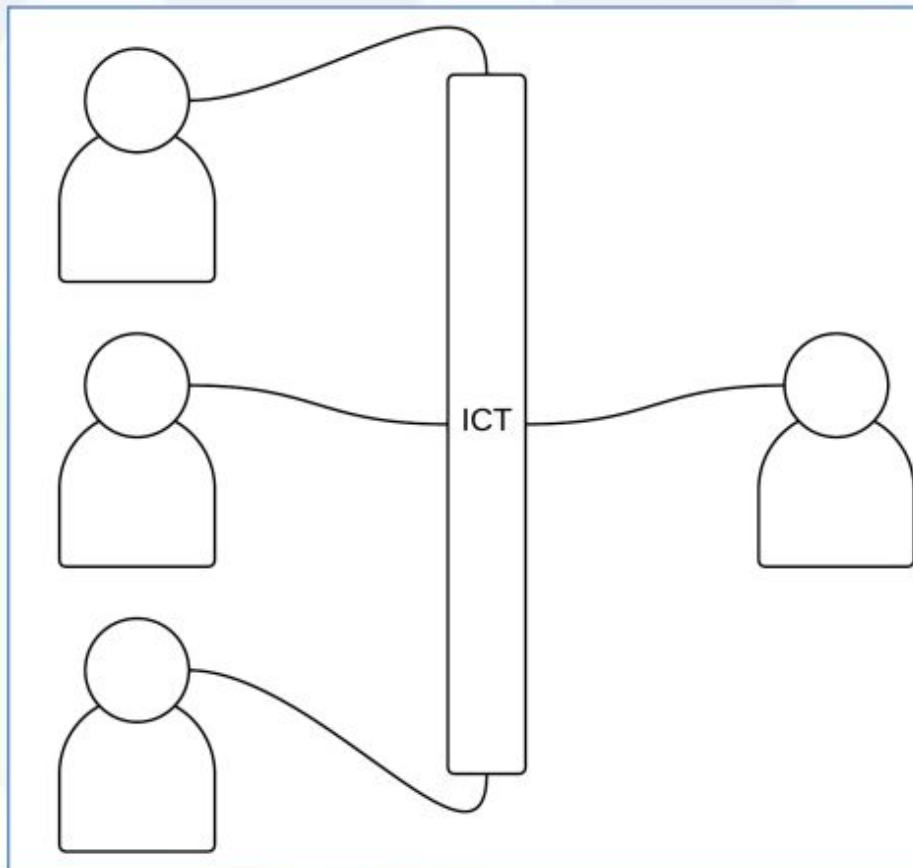
Some strategies and tools...

- **How** to address the problem

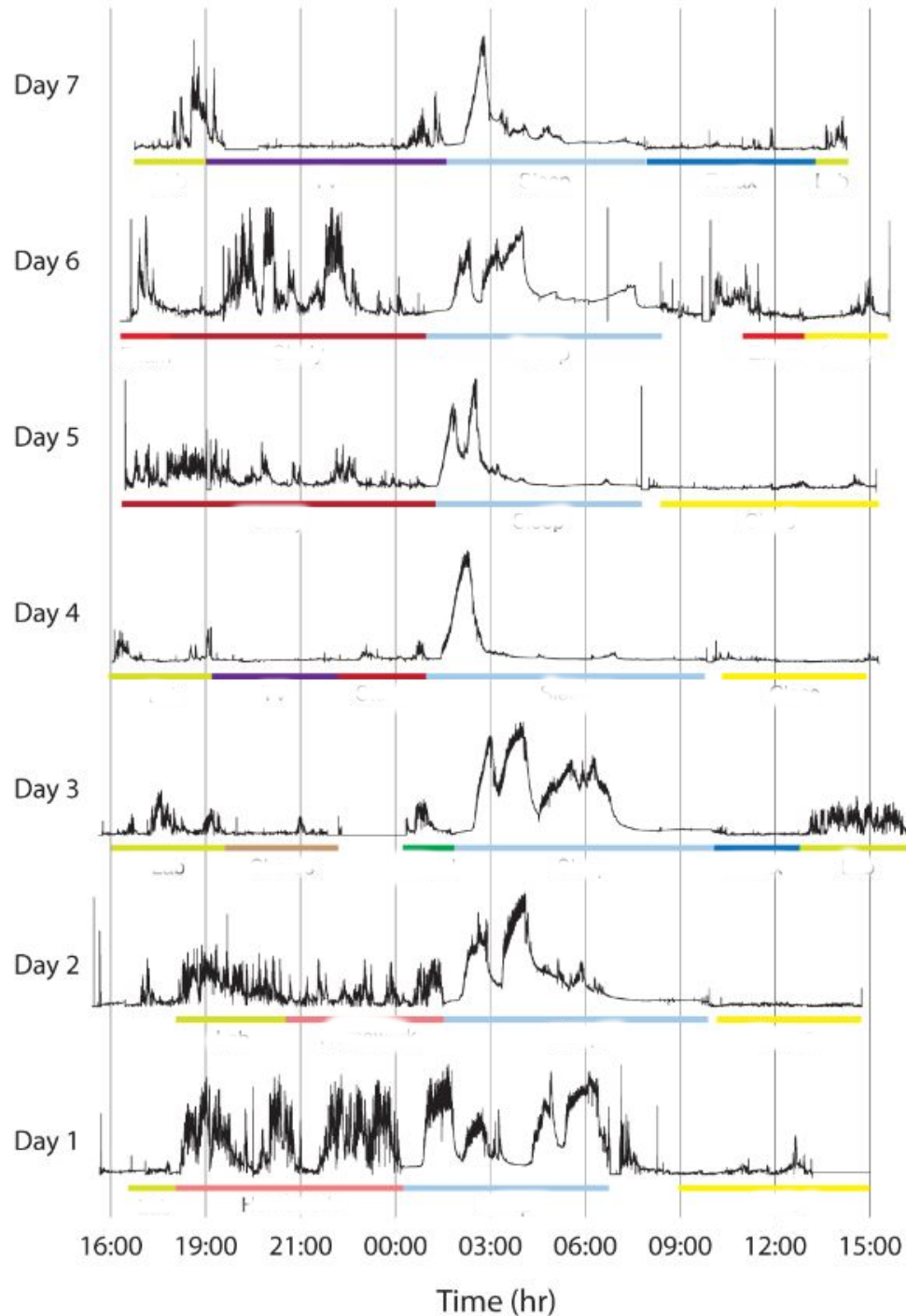
Please interrupt!

Distance = ICT-mediated

What we know...
about ICT-mediated learning



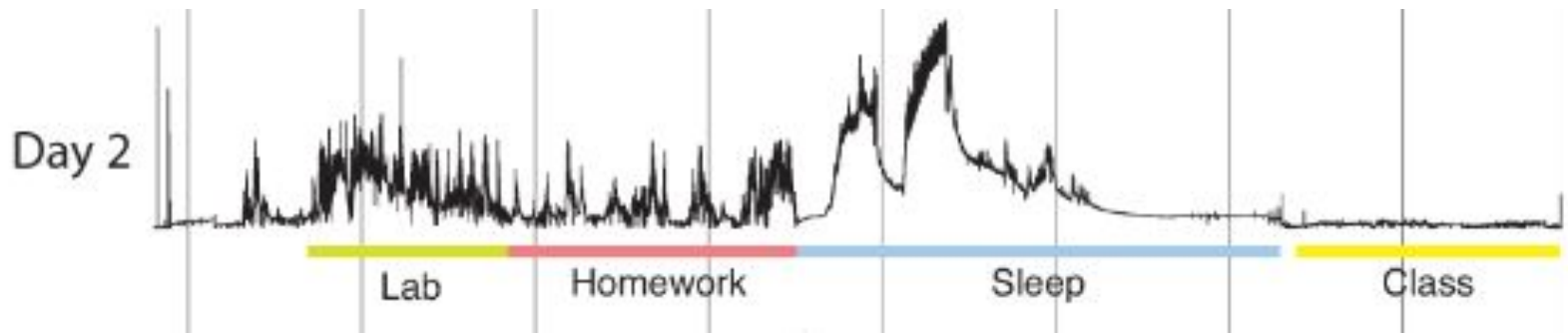
- Text-based
- Information-friendly
- Permanent
- Non-intuitive



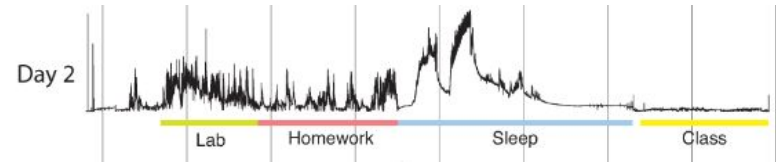
What do we
observe?

(no spoilers please!!)

Can we speculate/ explain?



Active Learning...

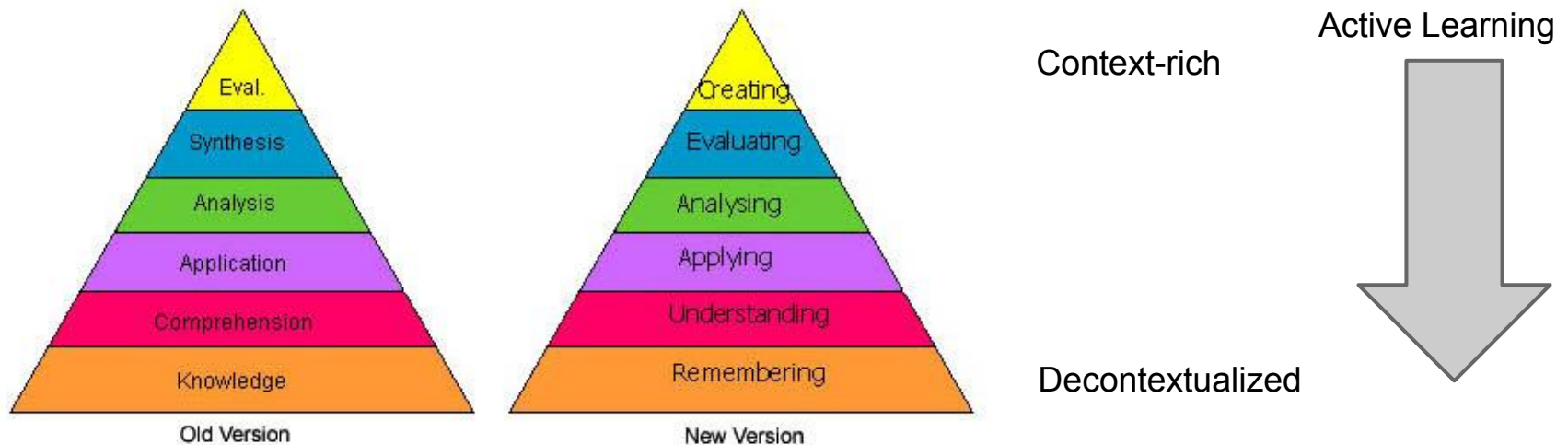


- Attention through emotion
- Interaction
- Student buy-in
- Learners are different
- Just the right challenge
- Expectations and feedback
- Connections

The Nature of Learning: Using Research to Inspire Practice reviews very extensive research on learning to identify key lessons for practice. It summarises these lessons as a set of “principles” to guide the design of learning environments, encapsulated by the following headings:

- ❖ Learners at the centre
- ❖ The social nature of learning
- ❖ Emotions as integral to learning
- ❖ Recognizing individual differences
- ❖ Stretching all students
- ❖ Assessment for learning
- ❖ Building horizontal connections

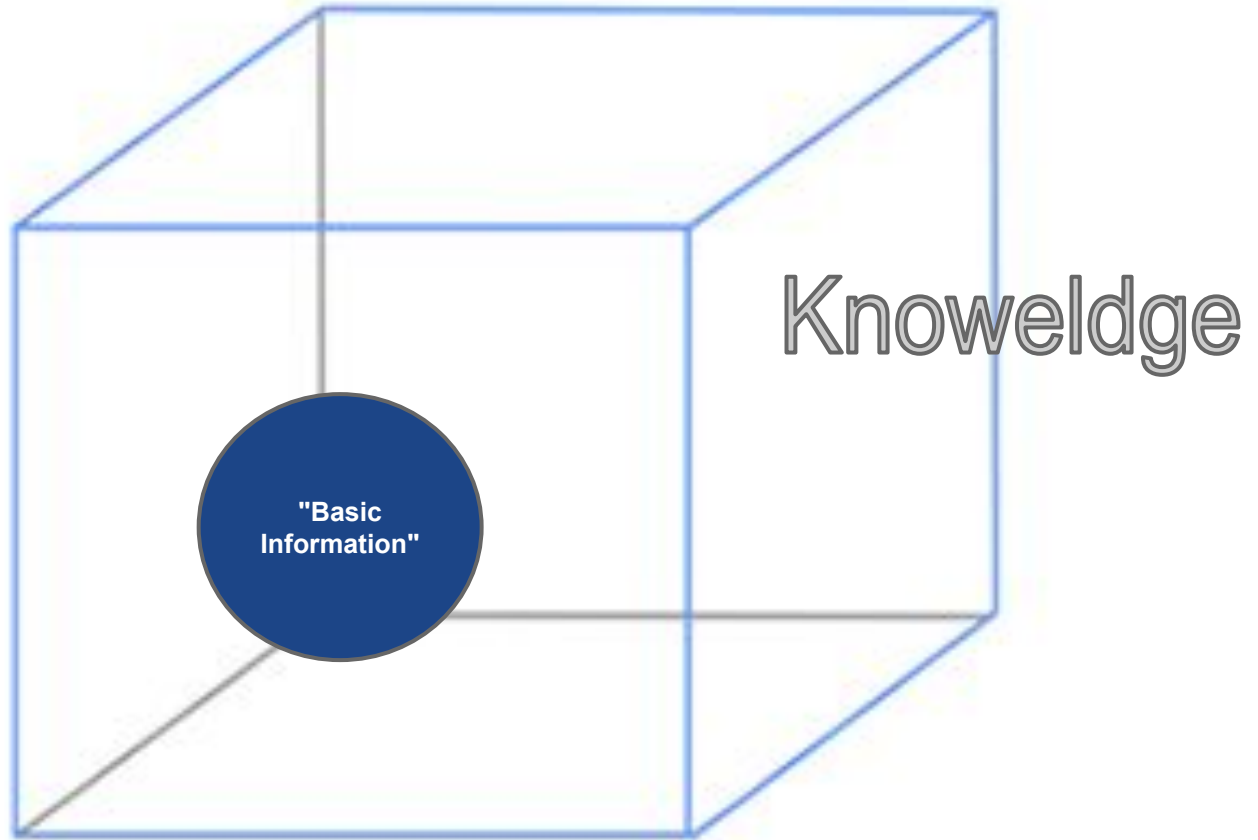
Don't Blame Bloom



Dewey continually argues that **education and learning are social and interactive processes**, and thus the school itself is a social institution through which social reform can and should take place. In addition, he believed that students thrive in an environment where they are allowed to experience and interact with the curriculum, and all students should have the opportunity to take part in their own learning.

http://en.wikipedia.org/wiki/John_Dewey

Our Challenge...



Strategy #1:

Use Media to Activate Brain

- Increase channels of communication
- Known to new
- "Flipped classroom"
- Synchronous interaction at a distance
- Asynchronous interaction at a distance
- "Coursera-ize" YouTube

Dancing natives of Asmat Irian Jaya



Known to new

⟨Scene 1⟩

Enter Barnardo and Francisco, two sentinels.

BARNARDO Who's there?

FRANCISCO

Nay, answer me. Stand and unfold yourself.

BARNARDO Long live the King!

FRANCISCO Barnardo?

BARNARDO He.

FRANCISCO

You come most carefully upon your hour.

BARNARDO

'Tis now struck twelve. Get thee to bed,

FRANCISCO

For this relief much thanks. 'Tis bitter cold,
And I am sick at heart.

BARNARDO Have you had quiet guard?

FRANCISCO Not a mouse stirring.

BARNARDO Well, good night.

If you do meet Horatio and Marcellus,

"I couldn't tell what the story
was about."

-- Andrew

5

PBS VIDEO

Support for PBS Video provided by Prudential
Now it's your turn. Who's the oldest person you've known? Share Their Story

Home Programs Topics I'd like to watch ... Search

Great Performances Hamlet
David Tennant and Patrick Stewart star in this adaptation of RSC's 2008 production Details

Like 7.6k

2:02:31 / 3:05:52

Did you know? Viewers like you are our largest single source of support. Donate now

More Videos from Great Performances

Flipped Classrooms



Synchronous Interaction

The screenshot displays the watch2gether.com website interface. At the top, the browser address bar shows the URL 7qzrouzpuoyi.watch2gether.com. A yellow callout box points to the URL bar with the text: "Share this link and watch videos together with your friends." The website header features the "watch2gether.com" logo and a "Save Room" button. The main content area is titled "TEDxPioneerValley - EleanorDuckworth - 'When Teachers Listen'". It contains a video player showing a woman speaking, with a progress bar at 01:36 / 00:26 and a volume icon. Below the video player are buttons for "Stop", "Search", "Playlist (0)", "Related Videos", and "Comments". A search bar contains the URL <http://www.youtube.com/watch?v=1sfgenKl>. To the right of the video player, there is a "watch2gether.com" logo and a "Like" button with a count of 1,479. On the far right, a sidebar contains a description of the website, a "Users in this Session:" section with a "Reload" and "Logout" button, a "Notification Sound" checkbox, and a chat area with a "Welcome to the chat." message and a "Viewer-QZFZ: TEDxPioneerValley - EleanorDuckworth - 'When Teachers Listen and Learners Explain'" message. At the bottom of the sidebar is a "Type a chat message..." input field. The footer of the website includes the text: "Impressum / Disclaimer | Contact: fs@sailer-interactive.com | A project of Sailer Interactive".

<http://www.watch2gether.com>

Asynchronous Interaction



<http://www.dipity.com/>

"Coursera-ize" YouTube

Unintended Consequences of Embracing the Internet

Today, hackers need less skill to perform increasingly complicated tasks.

☐ True

☐ False

Submit


Skip

08:26 / 08:18

1x

« Prev

Next »



Beta

Dr. Gary Ackerman

Search

Explore | Create

Challenge your friends

 vs. 

Whice album is this song from?

12

1 Vive la vida

2 Safety

I'm bored, challenge me!





















I want to create my own triv

<http://www.blubbr.tv/>

Strategy #2:

Collaborative Graphic Organizers

Interactive writing with scaffolding...

<input type="checkbox"/>	TITLE	SHARE DATE
<input type="checkbox"/> ☆ 	Biology Test	 Dewey Cheetum May 24
<input type="checkbox"/> ☆ 	bio test 2	 Dewey Cheetum May 23
<input type="checkbox"/> ☆ 	Biology test	 Dewey Cheetum May 23
<input type="checkbox"/> ☆ 	Curriculum and Instruction	 NEERO Conference 11/15/12
<input type="checkbox"/> ☆ 	A_Reviewer Tools	 NEERO Conference 11/15/12
<input type="checkbox"/> ☆ 	Untitled document	 Dewey Cheetum 9/21/12
<input type="checkbox"/> ★ 	Job Description as of July 2012	 Lynn Ackerman 7/16/12
<input type="checkbox"/> ☆ 	SessionChair_Strand_2012 A_Reviewer Tools	 Gabriel Y Frankel 11/22/11
<input type="checkbox"/> ☆ 	Curriculum and Instruction	 Gabriel Y Frankel 11/22/11
<input type="checkbox"/> ☆ 	Rubric for Reviewers- Individual.doc	 NEERO 2011 11/22/11

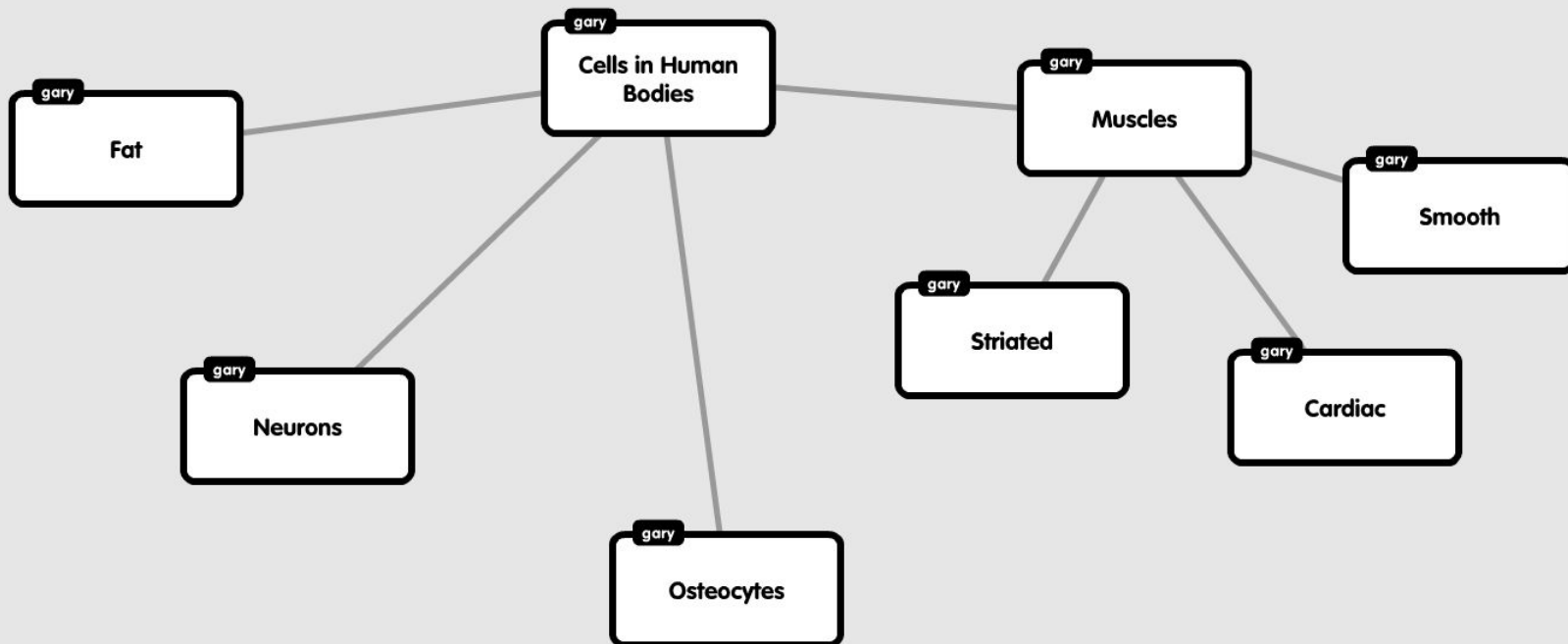
Collaborative Graphic Organizers

popplet: Cells

? feedback log out

home view all zoom - +

share



<http://popplet.com/>

Strategy #3:

Purposeful Discussions

- Problems, Prompts, & Participation
- Timing
- Alternatives

Wicked Problems

Start with Wicked Problems...

- ... no definitive formulation;
- ... no single measure of success;
- ... good or bad, not true or false;
- ... guidelines, but no template;
- ... perspective matters;
- ... symptom of another problem;
- ... no rules;
- ... experience is permanent;
- ... unique.

Policy Sciences 4 (1973), 155–169

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Dilemmas in a General Theory of Planning*

HORST W. J. RITTEL

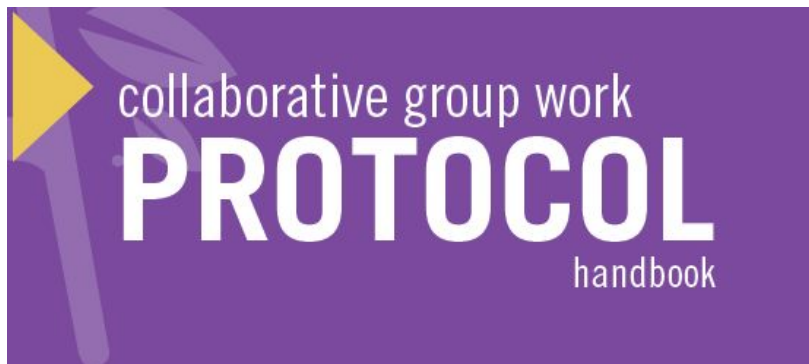
Professor of the Science of Design, University of California, Berkeley

MELVIN M. WEBBER

Professor of City Planning, University of California, Berkeley

Prompts for Active Learning

- Last word...
- Think, pair, share...
- Fishbowl
- 3, 2, 1



What is Scaffolding?

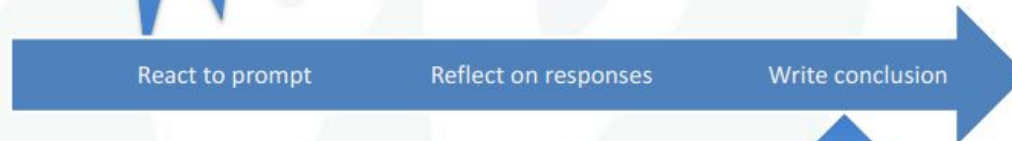
Scaffolding enables students to construct new knowledge by building on what they already know and are able to do. Faculty use scaffolding to help students connect their prior knowledge and experience with new information. Scaffolding also helps students think about texts by asking them to draw on their subjective experience to make connections to what they are reading. Faculty use scaffolding to guide students as they learn how to read, think critically and develop their academic voice.

1 is less than 3:

Keep the Stone Skipping...



- Wicked content
- Original articulation
- Scaffold responses



- Rethink time ($1 < 3$)
- Collaboration as source for conclusion



Grade this!

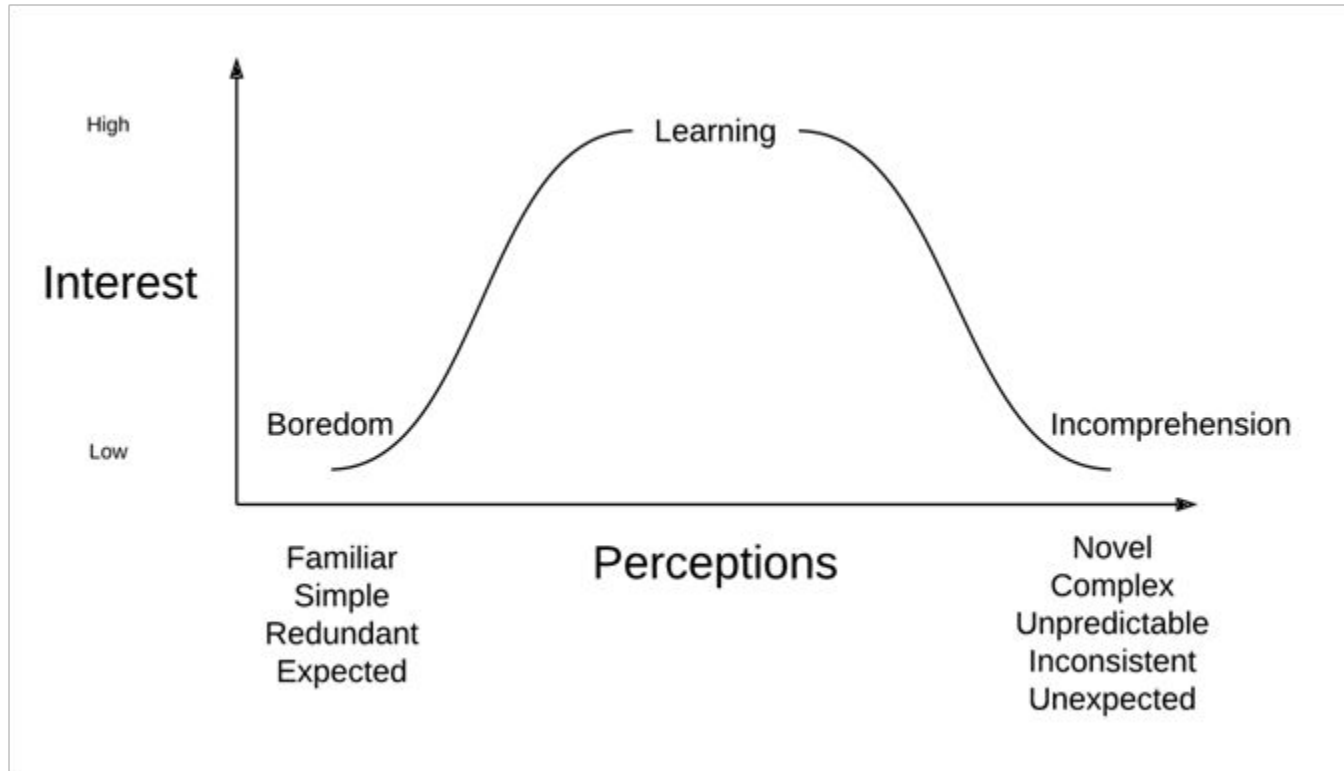
Start near. Go far.



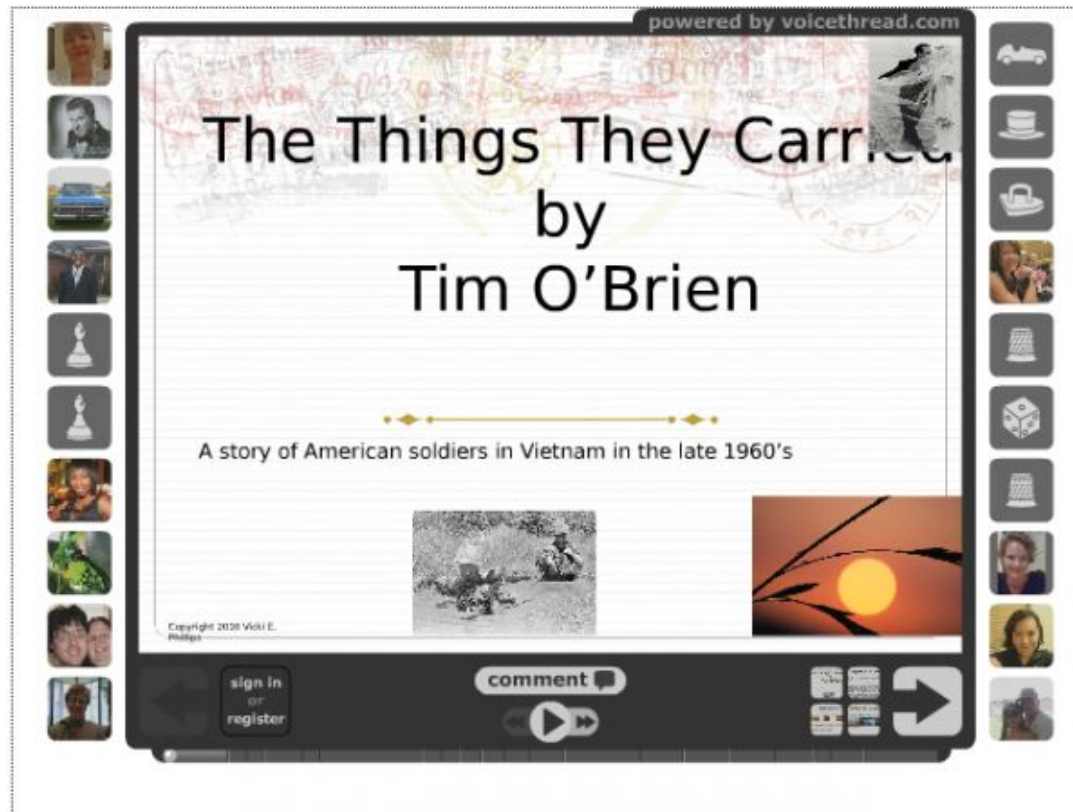
Mount Wachusett
Community College



Alternatives to Discussion: Rationale



Alternatives to Discussion: Technology



<http://voicethread.com/>

Alternatives to Discussion Boards

Blogs

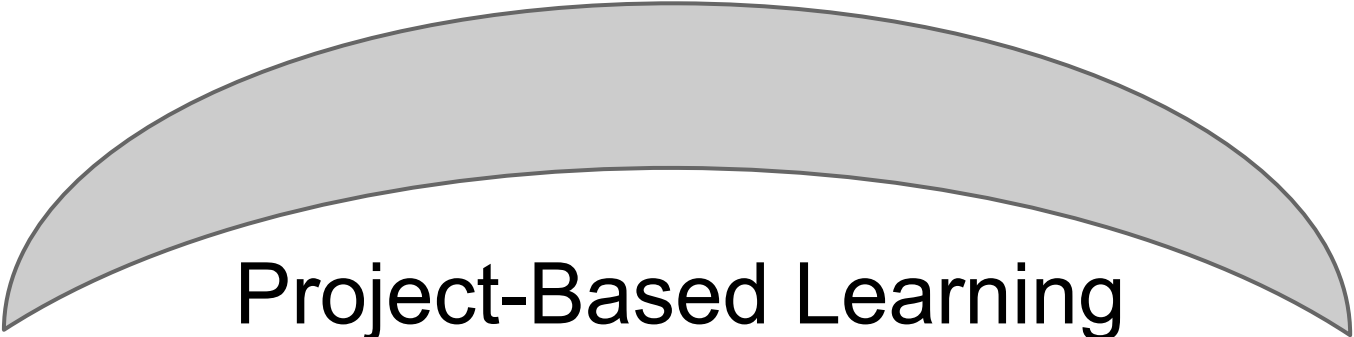
- Paragraphs-long posts are the culture
- Responses to the blogger

Wikis

- Idea improvement
- History facilitates points for participation

Strategy #4:

Collaborative Group Work



**Project-Based Learning
Healthy Test Preparation
Research
Design**

Real-world, primary sources, outside expertise, extended time, professional product for "real" audience

Tool #1: Hanging Out...



Select files to upload

Or drag and drop video files

Upload HD videos in various formats up to 15 minutes. [Increase your limit.](#)

You must own the copyright or have the necessary rights for any content you upload. [Learn more](#)

Create videos



Webcam capture

Record



Photo slideshow

Create



Google+ hangout

Broadcast



Video editor

Edit

Help and Suggestions

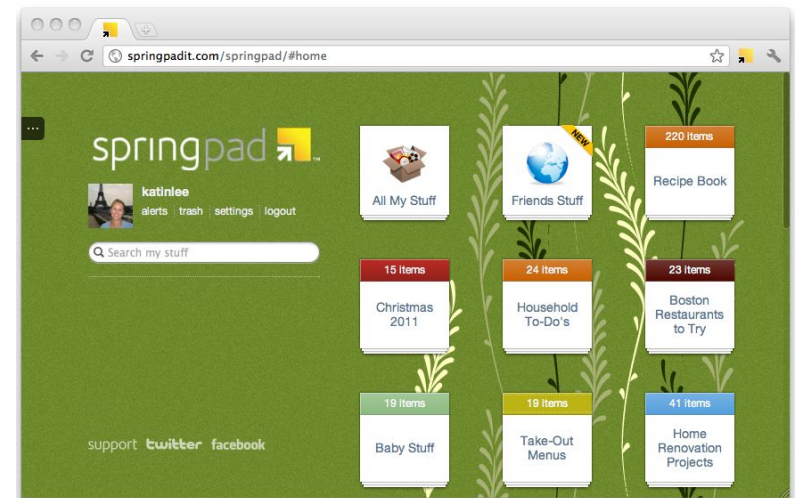
- [Uploading Instructions](#)
- [Troubleshooting](#)
- [Mobile Uploads](#)

Tip

- You can upload multiple files at once. [Learn how](#)

Tool #2: Collaboration

Learn [EverNote](#) or [SpringPad](#)



Not Really Collaboration, but... Going Mobile

Mobile Learn

Moodle Mobile

PDF!

