

Proactive Teaching

Fostering Deep and Flexible Learning

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Agenda

Part 1 : Lunch Presentation

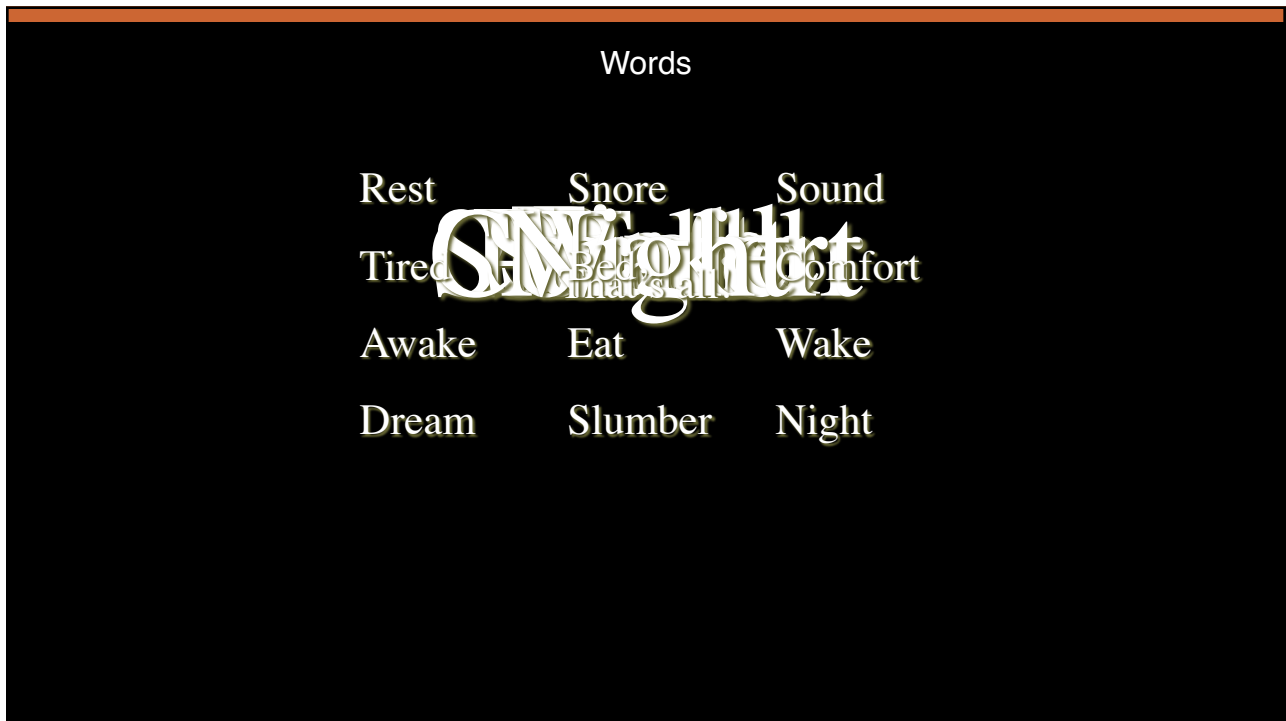
- Deep & Flexible Learning - Learning

Parts 2 & 3 : Concurrent Session III Presentation

- Deep & Flexible Learning - Design
- Deep & Flexible Learning - Application

Clarity

The image shows a misty forest with sunlight filtering through the trees. Overlaid on this scene are several text boxes and vertical labels. On the left, the word "DEEP" is written vertically. On the right, the word "FLEXIBLE" is written vertically. In the center, there are several overlapping text boxes containing the following terms: "Groundwater", "Poverty", "Aquifer", "Politics", "Safe Yield", "Baseflow", "Architecture", "Climate Science", "Drawdown", "Aquifer", "Baseflow", "Drawdown", and "Safe Yield".





6 Principles of Deep and Flexible Learning

1. Learning through **practice at retrieval**
2. Learning through **varied tasks** and **purposes**
3. Learning at the **principle** level
4. Learning **awareness** and **control** (metacognition)
5. Learning in response to **developmental feedback**
6. Learning embedded in **prior knowledge** and **experience**

(Fullen, Quinn, & McEachen, 2018; Samuels-Peretz, 2017; Zheng, 2018)

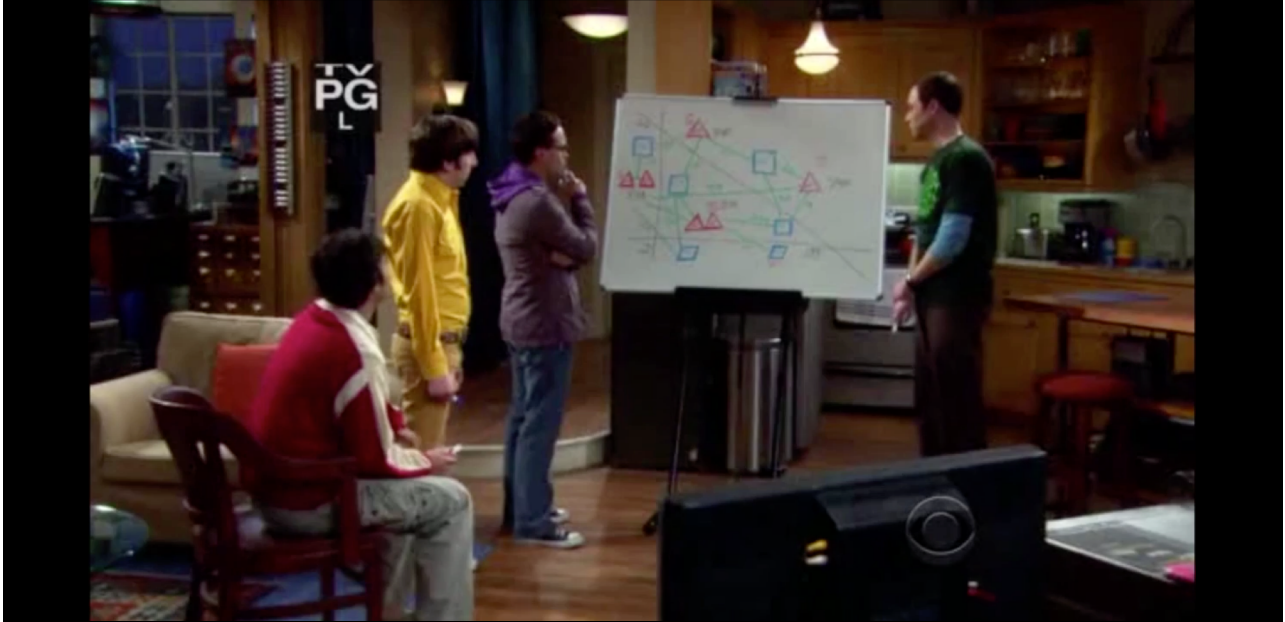
Shallow Learning

What we process we learn.

Deep & Flexible Learning



Deep & Flexible Learning



Processing



Learning and Memory

What we process
we learn

Cognitive
Processing

Behavioral
Processing

Social
Processing

Affective
Processing

Practice at
Retrieval

Vary Tasks
and Purposes

Principle
Level

Awareness
and Control

Developmental
Feedback

Prior Knowledge
& Experience

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talks

2019 Teaching Enhancement Symposium
College of Agricultural and Life Sciences



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