2019 Conference on Innovative Higher Education Pedagogy

Fostering Pedagogical Innovation and Excellence

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Anticipation Guide

Directions: Agree, Disagree, or Edit as needed.

- 1. Anyone can teach.
- 2. Anyone can learn.
- 3. Anyone can innovate.





Innovation is the action required to create new ideas, processes, or products which when implemented lead to positive effective change.

Marc Chason, Motorola Labs



Innovation is creating new value. Value is the key word, stressing the difference between innovation and invention.

Victor Fernandes, Natura











Debrief

- 1. Knowledge results from processing.
- 2. Processing takes time.
- 3. Intent to learn is only meaningful if it results in increased processing.
- 4. Powerful instructional strategies need not be complicated.









Oral Explanations

Learning Environment: Students create clear and coherently organized 10-15 minute videos that reflect the student's understanding of the current topic under discussion, plus an application to their lives.

Learning Artifact: Students analyze and interpret readings, notes, and discussions; organize concepts and ideas; apply to a life issue; create an oral explanation.

Oral Explanation



Oral Evolopation	
Oral Explanation	
Grading: Each Oral Explanation is worth 100 pts and will be assessed using the following criteria:	
1. Organization	20 pts
a. are introductions and conclusions used effectively?	
b. do the expressed ideas follow a logical progression?	
e, ale explanations and applications provided.	
2. Clarity of Thought and Expression	20 pts
a. are the ideas expressed well, well thought out, and integrated?	
c. are correct grammar and syntax used?	
3. Essential Content Explanation	30 pts
a. does the content of the explanation accurately reflect the addressed constructivism?	•
b. does the explanation explain, rather than just list, the main concept components?	
c. is the content of the explanation free from personal interjections?	
4. Essential Content Application	30 pts
a. is a problem, issue, or situation explained clearly?	
b. are concepts from the texts and class used to address the cited problem?	
o. Is the upprovision discough, meaningful, and uppropriate.	

Oral Explanation

- 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



A Reading in Quotes

Learning Activity: Students read a quote from a recently read article and provide an explanation of the quote and integrate the quote into a large discussion of the article.

Learning Processing: Students recall the article, analyze the meaning of the quote, integrate the quote into a discussion-based narrative of the article, and orally explain the meaning and integration of the quote.

A Reading in Quotes

- 1. Learning through practice at retrieval
- 2. Learning through varied tasks and purposes
- \checkmark 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





2. Work Hard, Don't Aha!

Journalists have always asked me what the crucial idea was or what the singular event was that allowed the Web to exist one day when it hadn't before. They are frustrated when I tell them there was no Eureka moment...it was a process of accretion.

-- Tim Berners-Lee (1999)

(Duncker, 1945; Bowden, 1997, 2005, Talk 19, 2009, Ster 19, 2019; Tik et al. 2018)



4. Don't Wait, Do It

Do it, fix it, try it. -- Waterman & Peters In Search of Excellence (1982)

Don't worry, be crappy. -- Guy Kawasaki, Apple Engineer *TEDxBerkeley* (2014)

Give them the third-best to go on with; the second best comes too late, and the best never comes -- Robert Watson-Watt, Air Ministry, UK

A TEDxKC Talk – Diana Kander

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5. Focus on Progress

Innovation is about making things better, not making things perfect.



6. Principles of Deep 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)



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A Reading in Quotes

1. Reading Quotes: Read the article and extract one quote per student (20 Ss, 20 Qs), numbering the quotes in order.

2. Quotes Selection: Mix up the order of the quotes and have students select a quote randomly.

3. Quote Understanding: Students have time to read and understand the quote, including talking to class mates, before getting/standing in a circle.

4. Read, Explain, and Integrate: Each student explains his/her quote in order, also providing a link to the developing narrative.

5. Clarification: Following each explanation, the instructor provides any needed clarifications or follow-up questions