

Anticipation Guide

Directions: Agree or Disagree or Edit.

- 1. Anyone can teach.
- 2. Active learning in students is fostered by note taking and discussions with fellow students.
- 3. Technology allows teachers to teach more powerfully, more efficiently, and with less effort.



Activity Debrief

- 1. Meaning is constructed during experience.
- 2. Construction results from processing.
- 3. Knowledge is organized.
- 4. When specifics are lost, meaning remains.
- 5. Strategies are used to function more effectively.
- 6. We can assess the effectiveness of our thinking.



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

(Engle, 2006; Halpern & Hakel, 2003; Mariano, Doolittle, & Hicks, 2009; Wagner, 2006)

Learning and Memory What we process we learn Cognitive Behavioral Social Affective Processing Processing Processing Processing Processing Processing Practice at Vary Tasks Principle Awareness Developmental Prior Knowledge Retrieval and Purposes Level and Control Feedback & Experience



25-Word Summaries

Learning Environment: Students create clear and coherently organized 25-word summaries that reflects the essential meaning of the current reading, lecture, video, movie, activity, or experience.

Learning Artifact: Students analyze and interpret a reading, lecture, video, movie, activity, or experience in order to extract the essential meaning and compose a 25-word summary.

25-Word Summaries

A Sample (after reading an article):

Through developing, implementing, and assessing model-eliciting activities, engineering faculty members' beliefs and decisions about teaching, learning, and assessment shift from teachercentered toward student-centered.

[23 Words]



25-Word Summaries

Grading: Each Chapter Summary Statement is worth 50 points and will be graded using the following criteria:

1. Structural Format:

2. Litarity of Thought and Expression

2. Clarity of Thought and Expression

3. Are the ideas expressed well, well thought out, and integrated?

2. Does every word in the summary have a meaningful purpose?

3. Delineation of Core Message

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4. Are ocrored grammar and syntax used?

5. Are the reading's central or essential message?

6. Are the reading's central or essential message?

7. Structural Formation of Core Message

8. Are the reading's rentral or essential message?

9. Are the reading's central or essential message?

Plus Developmental Feedback

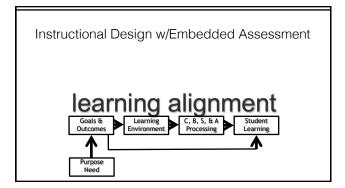


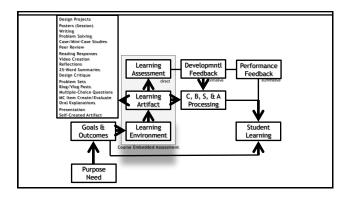
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25-Word Summaries

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- √ 5. Learning in response to developmental feedback
- √ 6. Learning embedded in prior knowledge and experience









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

Grading: Each Oral Explanation is worth 100 pts and will be assessed using the following criteria:	
Organization a. are introductions and conclusions used effectively? b. do the expressed ideas follow a logical progression? c. are explanations and applications provided?	20 pts
Clarity of Thought and Expression a. are the ideas expressed well, well thought out, and integrated? b. are there clear and logical transitions between ideas? c. are correct grammar and syntax used?	20 pts
Sesential Content Explanation 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?	30 pts
4. Essential Content Application a. is a problem, issue, or situation explained clearly? b. are concepts from the texts and class used to address the cited problem? c. is the application thorough, meaningful, and appropriate?	30 pts

Oral Explanation

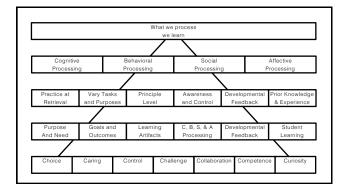
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The 7 C's of (Internal) Motivation

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- 1. Choice
- 2. Caring (interest/value)
- 3. Control
- 4. Challenge
- 5. Collaboration
- 6. Competence
- 7. Curiosity

	Increased		
	Learning		
ı	Increased		
ı	Processing		
ı	Increased		
ı	Motivation		
ı	Learning		



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Fostering Deep and Flexible Learning		
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