



Success Criteria	I)	I can explain
25	2)	I can describe
	3)	I can describe
	4)	I can define and give
	5)	I can apply

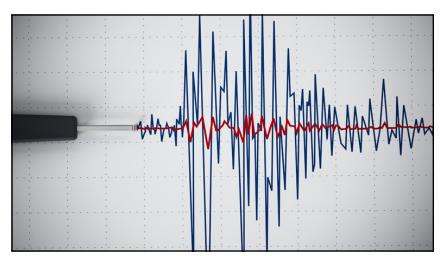
What is science	e?	
Definition	Examples	

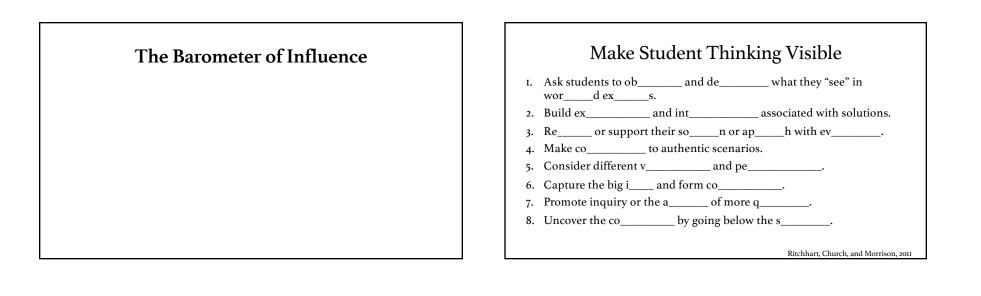
1. Sur skills.	Lea	is the in	learning of concepts and
		we're not working of th isn't	g on com pro; it there, yet.
-	ning is the und		l that begins with devg
mistaken conceptu	for engag al underst	ing in procedures anding.	ag. It should not be s that have no grounding in
retr	_e inf		lea, students begin to _ly and make room for more

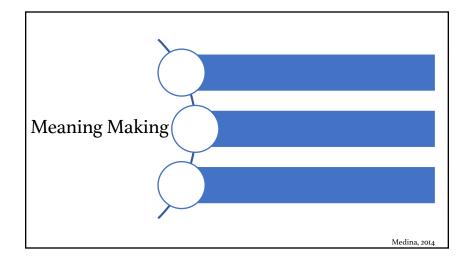
- I. Students move to deep learning when they plan, investigate, and elaborate on their conceptual understandings, and then begin to make generalizations.
- 2. This is not about rote learning of rules or procedures. It is about students taking the surface knowledge (which includes conceptual understanding) and, through the intentional instruction designed by the teacher, seeing how their conceptual understanding links to more efficient and flexible ways of thinking about the concept.
- 3. Often, this is accomplished when students work collaboratively with their peers, use academic language, and interact in richer ways with ideas.

...to take the reins of their own learning, think metacognitively, and apply what they know to a variety of realworld contexts.

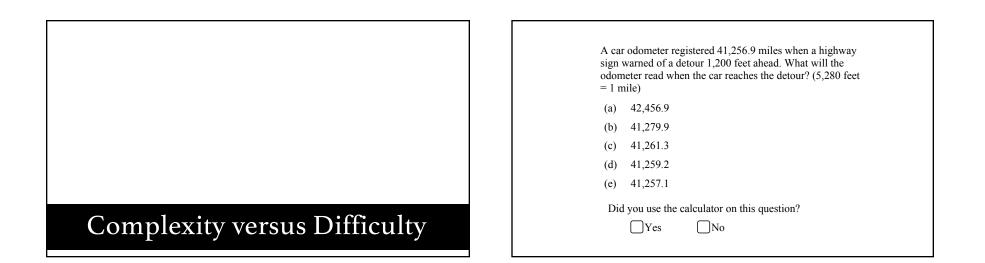
Almarode, Fisher, Frey, & Hattie, 2018

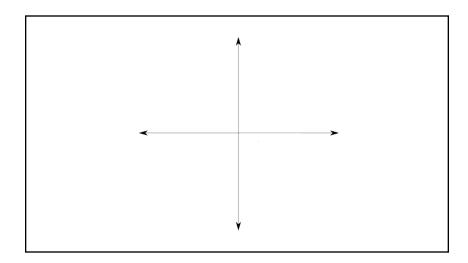


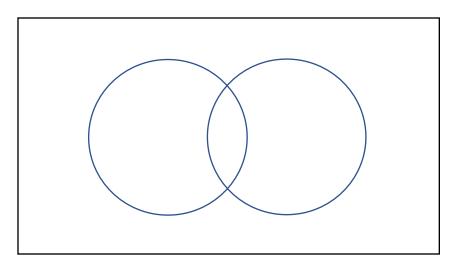


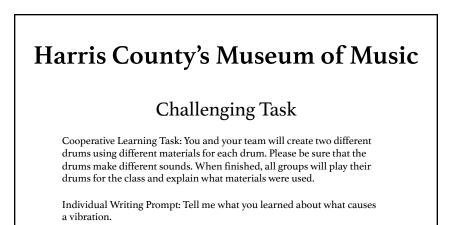


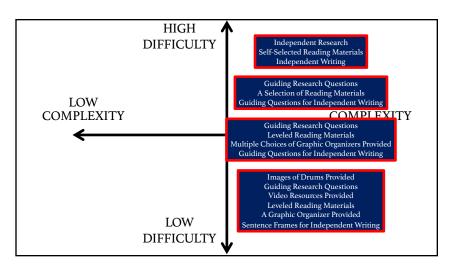






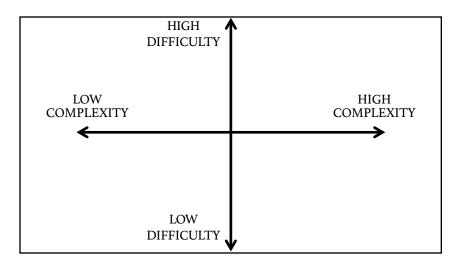


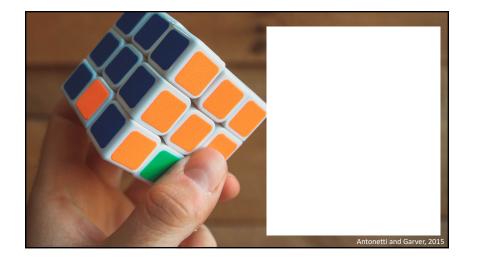




Harris County Nature Center Challenging Task Cooperative Learning Task: Make a brochure for your nature center. This brochure will be sent to schools to let them know about field trips to your nature center. This brochure should tell the schools what the students will learn, see and do at the nature center. Give an example of what they will learn about adaptations. Individual Writing Prompt: Create a list of 5 - 7 questions that people might have about animal adaptations. These questions are sometimes called "Frequently Asked

Questions or FAQ's! " After you create the questions, you will need to research the answers. Then, you will create a flyer that has the questions and answers on it.







Learning Intentions describe Success Criteria specify for students Unless teachers are clear about what they want students to learn and what success looks like, Ainsworth, 201

LS1.A: Structure and Function

Plants and animals have both internal and external structures that serve various functions in growth, survival, behavior, and reproduction. (4-LS1-1)

Cause and Effect • Cause and effect relationships are routinely identified. (4-PS4-2)

Systems and System Models A system can be described in terms of its components and their interactions. (4-LS1-1), (LS1-2)

Learning Intentions

Content Learning Intention: I am learning about the parts of a plant and how those parts help the plant to survive.

Language Learning Intention: I am learning to use scientific language in making arguments from evidence about plants.

Social Learning Intention: I am learning to work collaboratively with my peers in making observations about plants.

