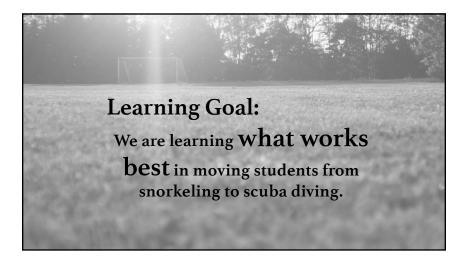
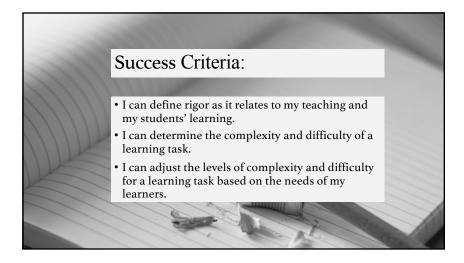
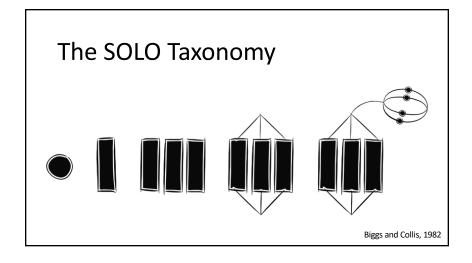
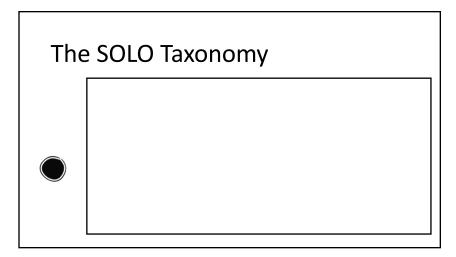
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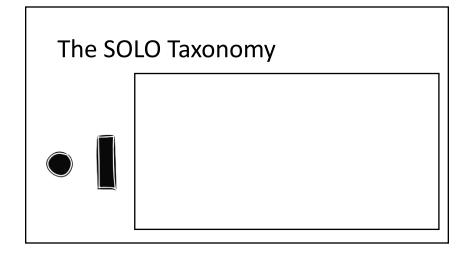


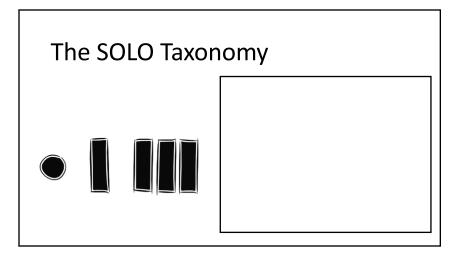




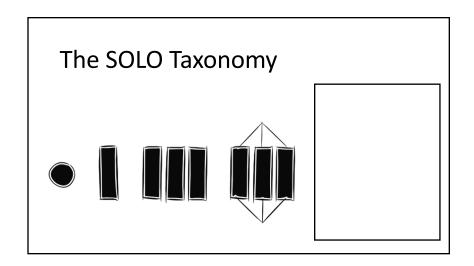






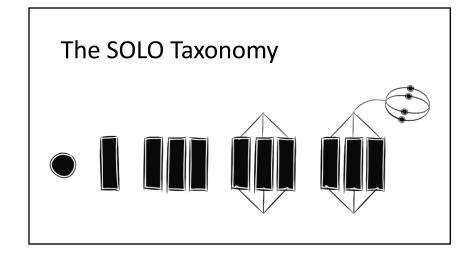


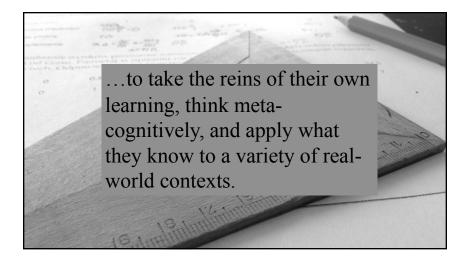
# 1.Sur\_\_\_\_ Lea\_\_\_ is the in\_\_\_\_ learning of concepts and skills. 2.That doesn't mean we're not working on com\_\_\_\_ pro\_\_\_\_; it's just that the depth of th\_\_\_\_ isn't there, yet. 3.This learning is the intr\_\_\_\_ level that begins with dev\_\_\_\_ g con\_\_\_ und\_\_\_ g. 4.Surface learning is not sha\_\_ lea\_\_\_ g. It should not be mistaken for engaging in procedures that have no grounding in conceptual understanding. 5.Through the consolidation of sur\_\_ lea\_\_\_, students begin to retr\_\_\_ e inf\_\_ n eff\_\_ ly and make room for more comp\_\_ x pro\_\_\_ sol\_\_ g.

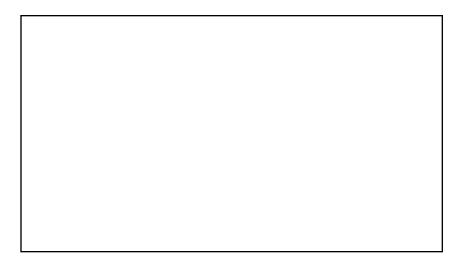


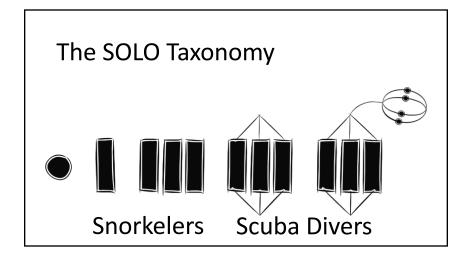
## **Deep Learning**

- 1. 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.
- 3. Deep learning 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.
- 4. Often, this is accomplished when students work collaboratively with their peers, use academic language, and interact in richer ways with ideas.

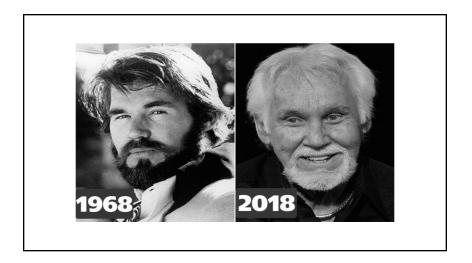


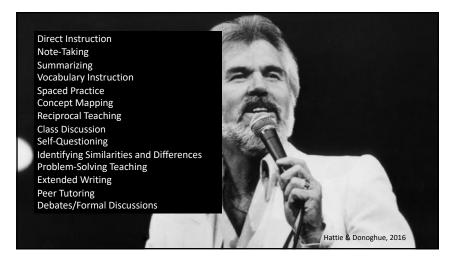


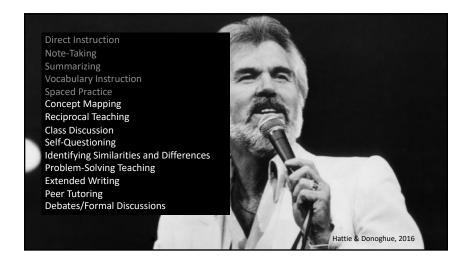


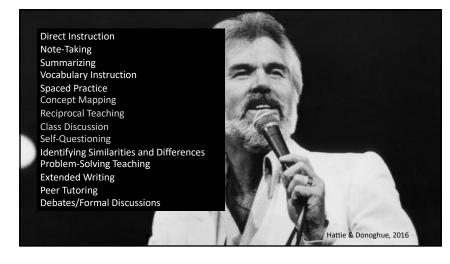


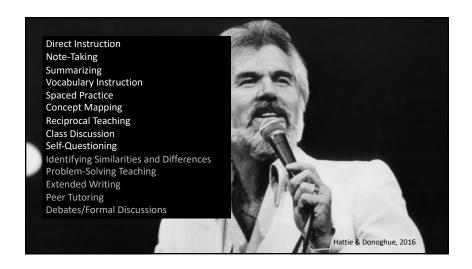


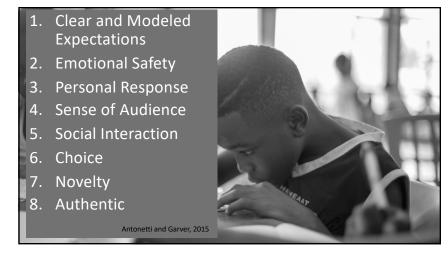


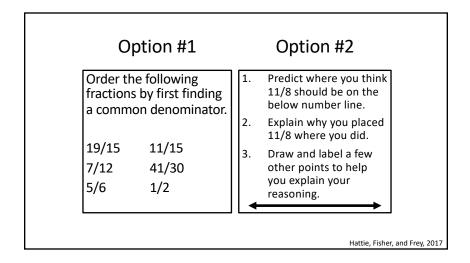


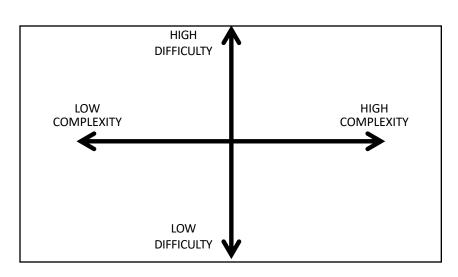










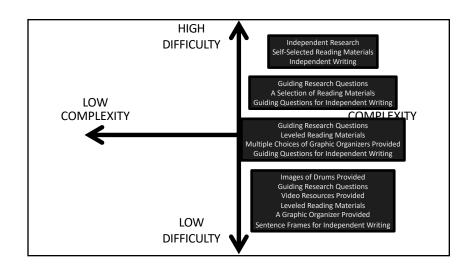


# Glasgow's Museum of Music

### **Challenging Task**

Cooperative Learning Task: You and your team will create two different drums using different materials for each drum. Please be sure that the drums make different sounds. When finished, all groups will play their drums for the class and explain what materials were used.

Individual Writing Prompt: Tell me what you learned about what causes a vibration.

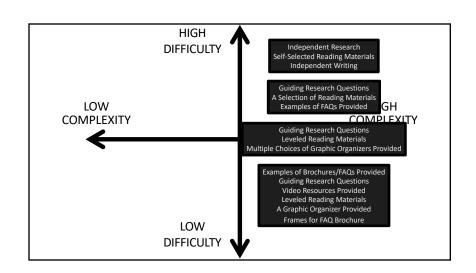


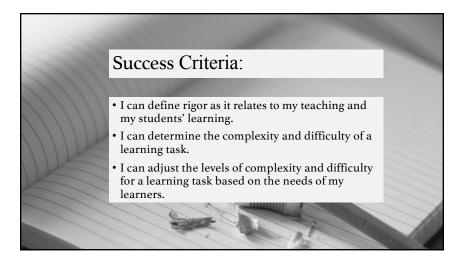
# **Park City's Nature Center**

### **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.





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