

Monday, February 10, 2014

Unit: Genetics

Lesson 17

Big Ideas

Genetic information is passed from parent to offspring.

Living things change over time: Evolution

Living things are alike yet different

Objectives

1. Students will be able to use their knowledge of evolution by natural selection, artificial selection, adaptations, gradualism and punctuated equilibrium, to complete a review activity.
2. Students will be able to discuss evolution by natural selection in Socratic seminar style conversations with peers forming a stronger commitment to personal values and beliefs.

Materials

Science Books

Science notebooks

Review activities

Provocation Beakers

Procedures/Strategy

1. Students will enter the classroom and write the I can statements in their notebooks. The teacher will go over the I can statements and the objectives of the day.
 - Vocabulary checks today.
2. Activation of prior knowledge (Engage)
 - Check in about adaptation activity
 - What did you find difficult about the activity?
 - What did you learn that surprised you?
 - Did you have any lightbulb moments about how this connected to Evo by N.S.?
 - Submit challenges on slips
3. Transition to review activity (Explore, Explain, Elaborate)

- Three Activities
 - Chapter Review Activity (Page 301)
 - Vocabulary Checks at this time
 - Socratic discussions in L's
 - Provocation Beakers provided
 - Quick Lecture review from challenge slips

Content Vocabulary

Species

Scientific Theory

Gradualism

Fossil

Natural Selection

Punctuated Equilibrium

Adaptation

Variation

Evolution

Homologous Structures

Evaluation

1. Formative

Discussion feed back, Challenge Slips, Vocabulary Checks and Check in's

2. Summative

Quiz Tomorrow

Extensions/Next Steps

- Students will be informed of the information they can use to study for their quiz tomorrow. If students are still challenged by the material, they can schedule time during Connections/Study hall to check in about misconceptions or points of confusions.
- Next Lesson: Quiz and transition to Genetics
- Homework: Study for test.