6E Lesson Plan Template

Author: Georgia Brewer	Date:
Topic: Plant & Animal Reproduction	
Title: Environmental and Genetic Factors that affect Reproduction	Grade Level: 6 th
	sexual and Sexual Reproduction. The students will uction dependent on animal behavior or specialized

Arkansas Science Standards: (list # and text of each)

- 6-LS1-4 Use argument based on empirical evidence and scientific reasoning to support an explanation for how characteristic animal behaviors and specialized plant structures affect the probability of successful reproduction of animals and plants respectively.
- 6-LS1-5 Construct a scientific explanation based on evidence for how environmental and genetic factors influence the growth of organisms.
- 6-LS3-2 Develop and use a model to describe why asexual reproduction results in offspring with identical genetic information and sexual reproduction results in offspring with genetic variation

Main Disciplinary Core Idea/s & Performance Expectation/s covered in this activity:

- Animals engage in characteristic behaviors that increase the odds of reproduction. (6-LS1-4)
- Plants reproduce in a variety of ways, sometimes depending on animal behavior and specialized features for reproduction. (6-LS1-4)

Objectives: The learner will:

- 1) Understand the different ways plants reproduce and the role animals play in them
- 2) Be able to illustrate and explain an example of plant reproduction dependent on animal behavior or specialized features

Essential Question:

How do plants reproduce asexually and how do animals aid in this process?

BACKGROUND INFORMATION
Timeline: 1 class period or about 45 minutes
Materials:
Smartboard projector
Smartboard
Powerpoint
Document camera
Markers

Colored Pencils	
Paper	
Teacher Preparation: Construct the Powerpoint and take out all materials needed for groupwork.	
Student Prerequisites: Students should know the difference between plants and animals	
PROCEDURE	
Engage: Show the students the attached powerpoint	
Explore: Have students work with those adjacent to them (shoulder buddies) on completing an	
illustration of plant reproduction depending on animal behaviors and specialized features.	
Explain: Have one student from each group to present and explain their illustrations to the rest of the	
class.	
Elaborate: Discuss each groups illustration as a class making sure to identify the type of Asexual	
Reproduction and the role of the animal involved. Be sure to acknowledge the animals importance.	
Extend:	
Discuss Genetic Variation with the class as a prelude to tomorrows lesson.	
Evaluate:	
Illustrations will be graded on completion.	
CDOSC CURDICULAR CONNECTIONS	
CROSS CURRICULAR CONNECTIONS	
Math:	
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Language Arts:	
Language 111 to.	
Social Studies:	
Other:	
Parental Involvement: none	
Technology Connections: none	
Resources:	
Notes: If teaching lesson to a small class (< 10 students), teachers may want to have students complete	
their drawings individually.	
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Credits:	
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