

# 6E Lesson Plan Template

|  |                                    |
|--|------------------------------------|
| <b>Author: Georgia Brewer</b>  | <b>Date:</b>                       |
| <b>Topic: Plant &amp; Animal Reproduction</b>  |                                    |
| <b>Title: Environmental and Genetic Factors that affect Reproduction</b>   | <b>Grade Level: 6<sup>th</sup></b> |
| <b>Lesson Summary:</b><br>The students will view a short powerpoint over Asexual and Sexual Reproduction. The students will illustrate and explain an example of plant reproduction dependent on animal behavior or specialized features |                                    |

|  |
|--|
| <b>Arkansas Science Standards: <i>(list # and text of each)</i></b><br>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.<br>6-LS1-5 Construct a scientific explanation based on evidence for how environmental and genetic factors influence the growth of organisms.<br>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 |
| <b>Main Disciplinary Core Idea/s &amp; Performance Expectation/s covered in this activity:</b> <ul style="list-style-type: none"><li>• Animals engage in characteristic behaviors that increase the odds of reproduction. (6-LS1-4)</li><li>• Plants reproduce in a variety of ways, sometimes depending on animal behavior and specialized features for reproduction. (6-LS1-4)</li></ul>   |
| <b>Objectives: The learner will:</b> <ol style="list-style-type: none"><li>1) Understand the different ways plants reproduce and the role animals play in them</li><li>2) Be able to illustrate and explain an example of plant reproduction dependent on animal behavior or specialized features</li></ol>  |
| <b>Essential Question:</b><br>How do plants reproduce asexually and how do animals aid in this process?  |

|   |
|---|
| <b><i>BACKGROUND INFORMATION</i></b>  |
| <b>Timeline: 1 class period or about 45 minutes</b>   |
| <b>Materials:</b><br><br>Smartboard projector<br>Smartboard<br>Powerpoint<br>Document camera<br>Markers |

