



Independent Research/Creation Station Activity: Pollinator Game Creation

Type of Teacher Tool: Individual/Differentiation

Targeted Grade Level(s): Middle to High School

Targeted Curriculum Areas: Animals

Learning Objectives:

The learner will:

1. research pollinators, their life cycles and their habitats, and record information.
2. plan and design a board game for students younger than themselves, based on what they have learned about pollinators.

Featured National Standards:

Key Ideas and Details:

1. CCSS.ELA-LITERACY.RST.6-8.1

Cite specific textual evidence to support analysis of science and technical texts.

2. CCSS.ELA-LITERACY.RST.6-8.2

Determine the central ideas or conclusions of a text; provide an accurate summary of the text distinct from prior knowledge or opinions.

3. CCSS.ELA-LITERACY.RST.6-8.3

Follow precisely a multistep procedure when carrying out experiments, taking measurements, or performing technical tasks.

Additional State and National Standards related to the content of our videos listed below for this lesson are also provided on the Educate.Today page where you find the video.

Resources/Materials Needed:

Nature 6: Celebrate the Earth with Insects: Mosquitos and Monarchs–Insect Ecology and Eco-Sense

Nature 7: How Do Scientists Tag and Follow Monarch Butterflies

Nature 8: The Live Cycle of a Monarch Butterfly

Nature 9: Helping Create a Healthy Habitat for the Monarch Butterfly

Nature 15: How Native Plants Help Pollinators

Nature 18: Planting for a Pollinator Garden

Teacher Instructions:

1. Introduce students to pollinators by having them view some or all of the above videos.
2. Lead students in a discussion about their favorite board games.
3. Next discuss the reasons why they like a particular game.
4. Begin to record a list of these reasons and have the students add other components they like about board games.
5. Tell students that they will research pollinators and record information that they find. Using this information, they will design a board game, based on pollinators, for students younger than themselves. If they need help in deciding their game type, remind them to think of their own favorite and base their game upon that; questions that advance the player around the board, chutes or ladders that take them from one spot to another, etc.
6. Provide this list of game requirements:
 - Name
 - Rules
 - Creative board design
 - Relates to pollinators
7. Monitor progress and evaluate their games. If possible, arrange with another teacher for students to actually play the games.

Assessment/Evaluation Options:

1. Use the rubric on the next page for assessment.

Pollinator Game Creation Rubric

	10 points	7 points	4 points	1 point
Gameboard Design	Colorful, attractive and has all required components.	Complete but messy.	Required components are missing.	Little effort was given to design or learning about pollinators.
Pollinator Information	There is extensive information about pollinators incorporated into the game.	There is a moderate amount of information about pollinators incorporated into the game.	Some information about pollinators is incorporated into the game.	Little to no information about pollinators is incorporated into the game.
Directions	Directions on how to play the game are clear, concise, with no typos or grammatical errors and are easily found.	Directions miss a few steps or have either a few typos or grammatical errors.	Directions are unclear and have either several typos or grammatical errors.	Directions are not understandable and there are multiple typos or grammatical errors.