

## Lesson 8: Bug Project!- Kaylee

*Science and Gardening RLS 2016.17*

**Dates: Oct. 10-11**

<b>Unit Name</b>	
<b>K-1 Mastery</b>	SWBAT create an anatomically accurate butterfly, ladybug, bee, or worm project.
<b>2-3</b>	SWBAT create an anatomically accurate butterfly, ladybug, bee, or worm project that explains adaptations and traits of their chosen bug.
<b>4-5</b>	SWBAT create an anatomically accurate butterfly, ladybug, bee, or worm project that explains adaptations and traits of their chosen bug.

	<b>K-1</b>	<b>2-3</b>	<b>4-5</b>
<b>Objective/Standard</b>	<p>SWBAT explain connections between organisms in ecosystems and create a model of this process.</p> <p>SWBAT create an insect study and project that shows that insect's traits, adaptations, and role in the ecosystem.</p> <p>Construct an explanation that predicts patterns of interactions among organisms across multiple ecosystems.</p>	<p>SWBAT explain connections between organisms in ecosystems and create a model of this process.</p> <p>SWBAT create an insect study and project that shows that insect's traits, adaptations, and role in the ecosystem.</p> <p>Construct an explanation that predicts patterns of interactions among organisms across multiple ecosystems.</p>	<p>SWBAT explain connections between organisms in ecosystems and create a model of this process.</p> <p>SWBAT create an insect study and project that shows that insect's traits, adaptations, and role in the ecosystem.</p> <p>Construct an explanation that predicts patterns of interactions among organisms across multiple ecosystems.</p>
<b>Key Point(s)</b>  What/Why/How	Insects are complex creatures with detailed anatomies that are aligned with their adaptations in their environments.	Insects are complex creatures with detailed anatomies that are aligned with their adaptations in their environments.	Insects are complex creatures with detailed anatomies that are aligned with their adaptations in their environments.

### K-1 Lesson

<b>Vocabulary</b>	Insect, adaptation
<b>Materials</b>	Paper plates, colored paper, popsicle sticks, glue, scissors, pipe cleaners, pomp oms, googly eyes
<b>Intro</b>	*We will be inside classrooms for this activity!
<b>Core Lesson: I</b>	Welcome to your project day! I am so excited for everyone to make an insect or worm today! It is time to really show what you know about anatomy and habitats of your favorite insect.

	Today will be your only day to work on the project, so be sure to be careful with materials and use your time wisely! You make work alone or with one partner. T&T- do you want to make a ladybug or a bee? Why?
<b>Guided Practice: We</b>	<p>For Kinder and 1<sup>st</sup>, they will choose to make either a lady bug or a bee.</p> <p>Reviews Questions:</p> <ul style="list-style-type: none"> <li>• What is an insect? How do you know?</li> <li>• Where does your chosen insect live? Habitat?</li> <li>• What does your insect eat?</li> <li>• Why are they important?</li> <li>• What does it look like? How do you want to create this?</li> </ul> <p>Lady Bug: Your materials are- paper plate, markers, pipe cleaners, glue, and construction paper</p> <p>Bee: Your materials are- popsicle stick, googly eyes, glue, paper, markers, and tissue paper</p> <p>Explain how to make each bug and show them a clear example of each. Demonstrate use of each material specifically and especially how to use glue, markers, and googly eyes! Write rules for materials on board: use one at a time, share, be careful, ask for help with glue and googly eyes, do not rip or break materials.</p> <p>Urge Kinders to work with a partner for time's sake.</p>
<b>Independent Practice: You</b>	<p>Students will have 30 minutes to create their insect project!</p> <p>Have students use their plan they made last week. Circulate to monitor materials and safety.</p>
<b>Closure</b>	If there is time, students share their insect, how they made it, and one fact about their insect.

## 2-5 Lesson

<b>Vocabulary</b>	Insect, adaptation
<b>Materials</b>	Paper plates, colored paper, popsicle sticks, glue, scissors, pipe cleaners, pomp oms, googly eyes
<b>Intro</b>	*We will be inside classrooms for this activity!
<b>Core Lesson: I</b>	<p>Welcome to your project day! I am so excited for everyone to make an insect or worm today! It is time to really show what you know about anatomy and habitats of your favorite insect.</p> <p>Today will be your only day to work on the project, so be sure to be careful with materials and use your time wisely! You make work alone or with one partner. T&amp;T- do you want to make a ladybug, dragonfly, worm, butterfly, or a bee? Why?</p>
<b>Guided Practice: We</b>	Choices for today are: a ladybug, a bee, a dragonfly, or butterfly

	<p>Review Questions:</p> <ul style="list-style-type: none"> <li>• What is an insect? How do you know?</li> <li>• Where does your chosen insect live? Habitat?</li> <li>• What does your insect eat?</li> <li>• Why are they important?</li> <li>• What does it look like? How do you want to create this?</li> </ul> <p>Lady Bug: Your materials are- paper plate, markers, pipe cleaners, glue, and construction paper</p> <p>Bee: Your materials are- popsicle stick, googly eyes, glue, paper, markers, and tissue paper</p> <p>Dragonfly/Butterfly: popsicle stick, markers, glue, tissue paper</p> <p>Worm: your choice...be creative ☺</p> <p>Explain how to make each bug and show them a clear example of each. Demonstrate use of each material specifically and especially how to use glue, markers, and googly eyes! Write rules for materials on board: use one at a time, share, be careful, ask for help with glue and googly eyes, do not rip or break materials.</p> <p>The purpose of this project is to show your knowledge of the anatomy of the insect you choose, so make sure you pick one that you know and understand well! Enjoy being creative, but also be ACCURATE with your construction of the insect.</p>
<p><b>Independent Practice: You</b></p>	<p>Students will have 30 minutes to create their insect project!</p> <p>Have students use their plan they made last week. Circulate to monitor materials and safety.</p> <p>If they finish early, students will explain details about the insect's habitat and adaptations on the worksheet provided.</p>
<p><b>Closure</b></p>	<p>If there is time, students share their insect, how they made it, and one fact about their insect.</p>