

Lesson 7...Bug Review and Project Prep- Kaylee

Science and Gardening RLS 2016.17

Dates: Sept. 27-28

(I am gone to KY the end of the week, and will have a sub plan for then...so only 1 lesson for this week)

Unit Name	
K-1 Mastery	SWBAT create an insect study and project that shows that insect's traits, adaptations, and role in the ecosystem.
2-3	SWBAT create an insect study and project that shows that insect's traits, adaptations, and role in the ecosystem.
4-5	SWBAT explain connections between organisms in ecosystems and create a model of this process. SWBAT create an insect study and project that shows that insect's traits, adaptations, and role in the ecosystem. Construct an explanation that predicts patterns of interactions among organisms across multiple ecosystems.

	K-1	2-3	4-5
Objective/Standard	SWBAT explain connections between organisms in ecosystems and create a model of this process.	SWBAT explain connections between organisms in ecosystems and create a model of this process.	SWBAT explain connections between organisms in ecosystems and create a model of this process.
Key Point(s) 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-5 Lesson

Vocabulary	Insect, Adaptation, Anatomy
Materials	Project planning sheets, project materials, donation sheet, pencils, crayons, optional coloring page
Intro	My friends, you get to use all that you know about bees and insects to create an insect PROJECT! This will be an actual 3D project that you get to display in your class or at home. If I were to choose one insect to make my project about, it would be a bee, because they are SO important for the ecosystem to survive.

	Today, you will plan out your project on the project planning sheet ! This will help organize your actual project.
Core Lesson: I	<p>Before I create anything, I like to have a plan. This helps me make sure that I am specific and detailed about what I create and that I do not just start from scratch without solid ideas.</p> <p>In the section for a diagram, I am going to first draw a picture of my bug! We know a bee has stripes, 6 legs, a head, wings, a stinger, antennae, and fuzzy legs for collecting pollen. (Demo drawing all this). A DIAGRAM means I also label the parts of the bee with WORDS. Make sure to include this.</p> <p>Once I am done drawing my animal, I am going to fill in the information below that I will include in my project. This will help TEACH others about my insect so they can LEARN from my project- you are little science teachers!</p> <p>Questions to answer:</p> <ul style="list-style-type: none"> • My insect lives.... • My insect eats... • My insect has the adaptation of.... • My insect is important because... • My bug can... <p>For K-2, I give specific insects they must choose from: a bee, ladybug, or butterfly. They will have example sheets to work from.</p> <p>For 3-5, they have the choice to either choose an insect from the garden, OR to create their own insect with adaptations for the environment 😊</p>
Guided Practice: We	Pass out clipboards, worksheet planning papers, pencils, and crayons to all students (OR they may work with 1 buddy!). Have students CHOOSE their insect and write the name at the top, and with a buddy they can start to fill out the questions sections.
Independent Practice: You	<p>Students have 20 minutes to plan out their projects. Explain that this time is important because without a plan, they cannot build their bug.</p> <p>Students can work with a buddy or alone. The goal is to be done the planning sheet by the end of class!</p>
Closure	<p>Have a few groups of students come to the front of class to share information about their insect and how they plan to build it.</p> <p>Collect all papers and organize by class with labels. Collect all other materials.</p>