



Butterfly Life Cycle Lesson Plan

Morgan's Wonderland Lesson Plans

Butterfly Life Cycle

TEKS: The student knows all organisms are classified into Domains and Kingdoms. Organisms within these taxonomic groups share similar characteristics which allow them to interact with the living and nonliving parts of their ecosystem (6.12). The student knows that populations and species demonstrate variation and inherit many of their unique traits through gradual processes over many generations (7.11).

The student knows that organisms resemble their parents and have structures and processes that help them survive within their environments (K.10; 1.10; 2.10). The student knows that organisms undergo similar life processes and have structures that help them survive within their environments (3.10; 4.10; 5.10). (Page 10)
<http://www.tea.state.tx.us/student.assessment/special-ed/staaralt/vertalign/>

Objective: The student will investigate and record some of the unique stages that insects undergo during their life cycle

NOTE: Please download the free app Aurasma prior to the lesson and the free QR code, so that you may use the Augmented Reality Flash Cards.

5E's	Suggested Activity	Teacher will do:	Student will do:
Engage:	<p>Read "The Very Hungry Caterpillar" & discuss the Life Cycle of a caterpillar.</p> <p>Visit Websites: Metamorphosis Butterfly & Moth Life Cycles</p> <p>http://www.kidsbutterfly.org/life-cycle</p> <p>http://www.kidsbutterfly.org/links</p> <p>http://www.youtube.com/watch?v=7AUeM8Mbalk</p> <p>http://www.neok12.com/Metamorphosis.htm</p> <p>Songs to Engage students in the Butterfly Life Cycle</p> <p>Elementary: http://www.youtube.com/watch?v=B_1xC_nTDCY</p> <p>Secondary: http://www.youtube.com/watch?v=E5tXk1hclwQ</p>	<p>Discuss these terms with students:</p> <ul style="list-style-type: none"> • Egg • Larva or caterpillar • Adult butterfly 	<p>Ask students to create their own illustrations of the butterfly cycle & label each stage of development. (Could be done on the top half of a folded sheet of paper or on a paper plate divided into quarters) Encourage students to use vocabulary terms.</p>
Explore:	<p>Start by having your students explore the butterfly stages at by using Augmented Reality Flash Cards in groups and place them in sequential order.</p>	<p>Use students' previous knowledge/experience in the classroom (terms & stages of development). Recall terms and stages and ask students to walk to the appropriate stage of development on the playground.</p>	<p>Place iPad/iTouch & the Aurasma Application on top of each Flash Card to watch it come to life.</p> <p>* Use technology when exploring the cards to see video of Augmented Reality Flash Cards</p>

5E's	Suggested Activity	Teacher will do:	Student will do:
Explain:	In their student groups have students describe the life cycle and if they can think of a life cycle of any other animal that they're familiar with.	Teacher can ask students how they are similar and how they are different. How many stages are found in the life cycle.	Students may discuss with their group/partner the differences/similarities.
Extend:	Have student recall the life cycle of a butterfly & how it compares to another animal's life cycle.	Provide student with Augmented Reality flash cards of the life cycle of a frog. Have students recall terms for the life cycle of a butterfly. Sequence the life cycle of a frog.	Place iPad/iTouch & Aurasma Application on top of each Augmented Reality Flash Card to watch it come to life.
Evaluate:	Create an Augmented Reality Scavenger Hunt Life Cycle for students using the Aurasma Application.	Provide students with QR code and Augmented Reality cards with instructions (Sample Handouts of Scavenger Hunt)	Use the recording sheets provided to complete the appropriate handouts. (Sample Handouts of Scavenger Hunt)