

Audience	Grade levels 3-5	Subject Science	Topic Life Cycles NCSS-3-LS1-1
Guiding Questions	1.What do you observe in nature that helps us understand life cycles?	2.What patterns do we notice in the growth of living things?	3.
Background Knowledge	Students will observe living things at Thanksgiving Point gardens and farms and try to decide how old the living things are. This is a warm- up to help students think of the natural world and try to connect that living things have ages		
Guiding Question #1 Activities	This activity helps guide students to understand the vocabulary of the CYCLE part of the words Life Cycle. They will compare other cycles in the world.		
Guiding Question #2 Activities	Students will observe life cycles of a frog. They will observe the stages and try to identify where the birth phase and death phase are located in the frog cycle.		
Guiding Question #3 Activities	<p>One activity introduces students to differing life cycles of animals. There is a video about mealworm life cycles that the students will watch and draw a model of the mealworm life cycle. Students may pause at any time to complete their model. Students will identify BIRTH, GROWTH, REPRODUCE and DEATH. They will also identify VARIATIONS</p> <p>A second activity introduces differing life cycles of flowers- tulips and sunflowers. There is a second video about tulips that the students will watch and draw a model of the tulip life cycle. Students may pause at any time to complete their model. They will identify BIRTH, GROWTH, REPRODUCE and DEATH. They will observe VARIATIONS between tulips and sunflowers.</p> <p>Students will also identify where the student falls in their own life cycle.</p>		
Other Notes	Following the RESOURCE GUIDE, there is a game where students can compare life cycles in a game called Apples and Oranges!		
(Supplies needed, independent vs. whole class engagement)	To enhance what the students learn outside of the Resource Kit, teachers may choose to have real tulip bulbs, a sunflower, a mealworm, or other living things to provide real life, tangible items.		