



## Life Cycles 3<sup>rd</sup> Grade Classroom Program

### Program Summary

Students will learn about life cycles in a variety of organisms. They will use models to discover that even though there are differences in life spans of various organisms, all organisms share common life cycle stages, including birth, growth, reproduction, and death. Students will then set up an experiment to help solve a real-world problem involving life cycle stages in mealworms.

### Phenomenon

Different types of animals and plants live for very different amounts of time and have diverse life cycles. Yet they all go through some common stages in their life cycle: birth, growth, reproduction, and death.

### Next Generation Science Standards

3-LS1-1 Develop models to describe that organisms have unique and diverse life cycles but all have in common birth, growth, reproduction, and death. [Clarification statement: Changes organisms go through during their life form a pattern.]

Science & Engineering Practices	Disciplinary Core Ideas	Crosscutting Concepts
Developing and using models  Planning and carrying out investigations  Analyzing and interpreting data  Constructing explanations and designing solutions	LS1.B: Growth and development of organisms	Patterns

### Common Core State Standards

3.D.1.1 Collect and organize data using observations, measurements, surveys, or experiments.

SL.1 Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 3 topics and texts, building on others' ideas and expressing their own clearly.

SL.3 Ask and answer questions about information from a speaker, offering appropriate elaboration and detail.