

Course: 1st Grade

Course Code: 5020010

Quarter 4

Topic of Study: Living Things and Their Parents, Plant and Animals Needs

Big Ideas: 16. Heredity and Reproduction 17. Interdependence

Essential Questions: Which living things look like their parents? How are plants of the same kind different? What do plants need? Why do plants grow? What do animals need?

Optional Teacher Background: *ScienceSaurus*- Life Science Section

[RESOURCES](#)

[SCIENCE CENTER](#)

Vocabulary: parent, trait, soil, sunlight, gills, shelter

Common Inquiry Labs:

- *Science Fusion* Inquiry Flipchart “Growing and Changing” & “Family Traits” p. 27
- *Science Fusion* Inquiry Flipchart “How are Plants of the Same Kind Different?” p. 28

	Technology Links:	
<p>Lab Assistance:</p> <p>Daily Inquiries</p> <p>Experiment Logs and Mini Lessons</p> <p>Health Activities</p>	<p>Science Links:</p> <p>www.Thinkcentral.com</p> <p>Fusion Teacher Resources</p> <p>Graphic Organizers and Body Systems</p>	<p>Online Guides:</p> <p>Above Level</p> <p>On Level</p> <p>Below Level</p>

NGSSS	Content	Targets
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<p>SC.1.L.16.1 Make observations that plants and animals closely resemble their parents, but variations exist among individuals within a population. Cognitive Complexity: Low</p>	<p>Which living things look like their parents?</p> <ul style="list-style-type: none"> ▪ Adult animals make young animals like themselves. <p>How are plants of the same kind different?</p> <ul style="list-style-type: none"> ▪ Color, number of leaves, height, and any other observable differences. 	<ul style="list-style-type: none"> ▪ Observe that an organism will have the same major features as its parents. ▪ Compare young plants and animals to their parents. ▪ Compare individuals in a group, understanding that there are more differences than we can often notice easily. ▪ Observe plants to understand that young plants will have traits similar to their parents. ▪ Compare plants to identify variations that exist among individuals within a population. ▪ Record pictorial and written results of an investigation.
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Common Inquiry Labs:

- *Science Fusion* Inquiry Flipchart “Grow to the light” & “Colored Celery” p. 29
- *Science Fusion* Inquiry Flipchart “Why Do Plants Grow?” p. 30
- *Science Fusion* Inquiry Flipchart “Meet the Mealworm” & “Eat Like a Bird” p. 31

NGSS	Content	Targets
<p>SC.1.L.17.1 Through observation, recognize that all plants and animals, including humans, need the basic necessities of air, water, food, and space. Cognitive Complexity: Low</p>	<p>What do plants need?</p> <ul style="list-style-type: none"> ▪ Sunlight ▪ Air ▪ Water <p>Why do plants grow?</p> <p>What do animals need?</p> <ul style="list-style-type: none"> ▪ Air ▪ Water ▪ Food ▪ Space ▪ Shelter 	<ul style="list-style-type: none"> ▪ Observe that all plants share the same basic needs. ▪ Explain that a plant will die if its basic needs are not met. ▪ Explain how a person helps a plant meet its basic needs when they care for the plant.