

Planned Course: Science	Course Number: -	Department: Elementary	
Unit: B (Life Science)	Grade Level: 4		
Estimated Time: 4.5 weeks (of 18)	Level/Track: All Students	Date Approved: 8/19/2014	
PA Academic Standards	Core Concepts (in question format) • Skills/Knowledge	Activities/Strategies/Study Skills (identify some activities as remedial or enrichment activities)	Assessments (include types and topics)

<p>S4.A.1.3 Recognize and describe change in natural or human-made systems and the possible effects of those changes. S4.A.1.3.4/5</p> <p>S4.A.2.2 Identify appropriate instruments for a specific task and describe the information the instrument can provide. S4.A.2.2.1</p> <p>S4.A.3.1 Identify systems and describe relationships among parts of a familiar system (e.g., digestive system, simple machines, water cycle). S4.A.3.1.2/3/4</p> <p>S4.A.3.3 Identify and make observations about patterns that regularly occur and reoccur in nature. S4.A.3.3.1</p> <p>S4.B.1.1 Identify and describe similarities and differences between living things and their life processes. S4.B.1.1.1/2/3/4/5</p>	<p>What do living organisms need to survive?</p> <p>➤ How are plants and animals classified?</p> <ul style="list-style-type: none"> • Students will describe how to classify plants and animals. <p>➤ How do plants reproduce?</p> <ul style="list-style-type: none"> • Students will demonstrate an understanding of structures that help plants survive and reproduce. <p>➤ How do plants make food?</p> <ul style="list-style-type: none"> • Students will explain the roles of roots, leaves, and stems in making food. <p>➤ What are adaptations?</p> <ul style="list-style-type: none"> • Students will explain how physical features and behaviors help organisms interact with their environments. <p>➤ What plant and animal characteristics are inherited?</p> <ul style="list-style-type: none"> • Students will explain that plants and animals inherit characteristics 	<p>Pearson <i>Interactive Science</i></p> <ul style="list-style-type: none"> • Chapters 3 and 4 <p><i>Pennsylvania: Our Home and Tales of the Towpath</i></p> <ul style="list-style-type: none"> • (human reliance on environment) <p>PearsonSuccessNet.com Interactive Digital Path</p> <ul style="list-style-type: none"> • videos, activities, etc. <p>PearsonSuccessNet.com Science leveled readers</p>	<p>Chapter review pages in student text</p> <p>Benchmark practice pages in student text</p> <p>Words to Know pages from Teacher’s Edition</p> <p>Directed Inquiry, Guided Inquiry, and Open Inquiry pages from Teacher’s Edition</p> <p>Student projects</p> <p>Performance-based assessments</p> <p>“Inquiry” and STEM activities</p> <p>Chapter Tests</p> <p>Unit Benchmark Test</p> <p>Teacher-made tests and/or quizzes</p>
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<p>S4.B.2.1 Identify and explain how adaptations help organisms to survive. S4.B.2.1.1/2</p> <p>S4.B.2.2 Identify that characteristics are inherited and, thus, offspring closely resemble their parents. S4.B.2.2.1</p> <p>S4.B.3.1 Identify and describe living and nonliving things in the environment and their interaction. S4.B.3.1.1/2</p> <p>S4.B.3.2 Describe, explain, and predict change in natural or human-made systems and the possible effects of those changes on the environment. S4.B.3.2.1/2</p> <p>S4.B.3.3 Identify and describe human reliance on the environment at the individual or the community level. S4.B.3.3.1/2/3/4/5</p>	<p>that may help them survive and reproduce.</p> <p>➤ How do animals respond to the environment?</p> <ul style="list-style-type: none"> • Students will demonstrate an understanding of how animals respond to their environments and get what they need. <p>How do living things interact with their environments?</p> <p>➤ What are ecosystems?</p> <ul style="list-style-type: none"> • Students will describe the parts of ecosystems and some examples of ecosystems. <p>➤ How do living things get energy?</p> <ul style="list-style-type: none"> • Students will explain that animals get energy from the plants and animals they eat, and describe the possible consequences of the removal of one component in a balanced ecosystem. <p>➤ What are food chains and</p>				
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	food webs? <ul style="list-style-type: none"> • Students will explain how energy flows in a food chain and a food web. Students will also know how some organisms compete for resources. ➤ How do living things affect the environment? <ul style="list-style-type: none"> • Students will describe the effect of a sudden change of one group of organisms on another group. ➤ What are fossils? <ul style="list-style-type: none"> • Students will explain that fossils are remains or marks of living things and demonstrate an understanding of the ways a fossil can form. ➤ What can fossils tell us? <ul style="list-style-type: none"> • Students will describe how scientists use fossils to learn about the past. 		
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