

**DIOCESE OF HARRISBURG
SCIENCE CURRICULUM
KINDERGARTEN
Life Science**

Big Idea	Essential Questions	Concepts	Competencies	Vocabulary	PA SAS Standards	Assessment Anchor Eligible Content	Text pages or supplementary material	Date Assessed
All organisms are made of cells and can be characterized by common aspects of their structure and functioning.	How do organisms live, grow, respond to their environment, and reproduce?	Animals need food (plants and other animals) and water in order to live and grow. (LS1.C)	Use observations to describe what animals need to survive. (K-LS1-1)	Environment Leaves Organism Patterns Roots Stems Structure Survive	3.1.4.A.2	S4.A.2.1.3 S4.B.1.1.1 S4.B.1.1.2 S4.B.1.1.3 S4.B.1.1.4		
		Plants need water and light in order to live and grow. (LS1.C)	Use observations to describe what plants need to survive. (K-LS1-1)	Cause and effect Leaves Environment Organism Roots Stems Structure Survive	3.1.4.A.2 3.1.3.A.2	S4.B.1.1.1 S4.B.1.1.2 S4.B.1.1.3 S4.B.1.1.4		
		Living things need water, air, and resources from the land, and they live in places that have the things they need. (ESS3.1)	Use a model to explain the relationship between the needs of different plants or animals and the places they live. (K-ESS3-1)	Habitat Model Needs Relationship	3.1.3.A.2 3.1.4.A.2 3.1.4.A.8 3.3.3.C.2	S.A.1.3 S4.A.2.1 S4.B.2.1		
		Animals have identifiable structures and behaviors.	Observe and describe structures of organisms and functions of the structures.	Functions Patterns Structure	3.1.3.A.5 3.1.K.A.5 3.1.1.A.5	S4.B.1.1.2		

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<p>Heredity refers to specific mechanisms by which characteristics or traits are passed from one generation to the next via genes, and explains why offspring resemble, but are not identical to their parents.</p>	<p>How are the characteristics of one generation passed to the next? How can individuals of the same species and even siblings have different characteristics?</p>	N/A	N/A	N/A	N/A	N/A		
<p>Biological evolution explains both the unity and diversity of species and provides a unifying principle for the history and diversity of life on Earth.</p>	<p>How can there be so many similarities among organisms yet so many different kinds of plants, animals, and microorganisms?</p>	N/A	N/A	N/A	N/A	N/A		