

Tasha Gore & Megan Murphy
1st Grade Science Standards

| Indicator | Lesson | “I Can...” / DOK | Evidence | Vocabulary |
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| 1.1.1 Use all senses as appropriate to identify the component parts of objects and the materials from which they are made | Title or number of lesson, page #, source, etc. | <ul style="list-style-type: none"> • I can use all senses as appropriate to identify the component parts of the object • I can use all sense as appropriate to identify the materials from which they are made | | Senses |
| 1.1.2 Characterize materials as solid or liquid, investigate their properties, record observations and explain the choices to others based on evidence (i.e., physical properties). | | <ul style="list-style-type: none"> • I can characterize materials as a solid • I can characterize materials as a liquid • I can investigate the properties of a solid • I can investigate the properties of a liquid • I can explain choices to others based on evidence • I can record observations of a solid • I can record observations of a liquid | | Solid Liquid Properties Evidence |
| 1.1.3 Experiment with simple methods for separating solids and liquids based on their physical properties | | <ul style="list-style-type: none"> • I can experiment with simple methods for separating solids based on physical properties • I can experiment with simple methods for separating liquids based on physical properties | | Solids Liquids Separating Physical properties |

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| <p>1.2.1 Observe and compare properties of sand, clay, silt and organic matter. Look for evidence of sand, clay, silt and organic matter as components of soil samples.</p> | | <ul style="list-style-type: none"> • I can observe properties of sand • I can observe properties of clay • I can observe properties of silt • I can observe properties of organic matter • I can compare properties of sand • I can compare properties of clay • I can compare properties of silt • I can compare properties of organic matter • I can look for evidence of sand as components of soil • I can look for evidence of clay as components of soil • I can look for evidence of silt as components of soil • I can look for evidence of organic matter as components for soil | | <p>Sand Silt Clay Organic matter Soil</p> |
| <p>1.2.2 Choose, test and use tools to separate soil samples into component parts.</p> | | <ul style="list-style-type: none"> • I can choose tools to separate soils samples into part • I can test tools to separate soil samples into parts • I can use tools to separate soil samples into parts | | <p>Soil Seperate</p> |

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| <p>1.2.3 Observe a variety of soil samples and describe in words and pictures the soil properties in terms of color, particle size and shape, texture, and recognizable living and nonliving items</p> | | <ul style="list-style-type: none"> • I can observe a variety of soil samples • I can describe soil samples in words in terms of color • I can describe soil samples in words in terms of particle size • I can describe soil samples in words in terms of shape • I can describe soil samples in words in terms of texture • I can describe soil in words in terms of recognizable living items • I can describe soil in words in terms of recognizable nonliving items • I can describe soil samples in pictures in terms of color • I can describe soil samples in pictures in terms of particle size • I can describe soil samples in pictures in terms of shape • I can describe soil samples in pictures in terms of texture • I can describe soil samples in pictures in terms of recognizable living items • I can describe soil samples in pictures in terms of recognizable nonliving items | <p>Color Particles Size Shape Texture Living Nonliving Soil</p> |
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| <p>1.2.4 Observe over time the effect of organisms like earthworms in the formation of soil from dead plants. Discuss the importance of earthworms in soil.</p> | | <ul style="list-style-type: none"> I can discuss the importance of earthworms in soil | | <p>Earthworms Organisms Effect Formation Soil Plants</p> |
| <p>1.3.1 Classify living organisms according to variations in specific physical features (e.g., body coverings, appendages) and describe how those features may provide an advantage for survival in different environments.</p> | | <ul style="list-style-type: none"> I can classify living organisms according to variations in specific physical features I can describe how physical features may provide an advantage for survival in different environments | | <p>Classify Organisms Living Variations Physical features Survival Environments</p> |
| <p>1.3.2 Observe organisms closely over a period of time in different habitats such as terrariums, aquariums, lawns and trees. Draw and write about observations</p> | | <ul style="list-style-type: none"> I can draw observations about different habitats I can write observations about different habitats | | <p>Organisms Habitats Terrariums Aquariums Lawns Trees Observations</p> |
| <p>1.3.3 Observe and explain that plants and animals have basic needs for growth and survival: plants need to take in water and need light, and animals need to take in water and food</p> | | <ul style="list-style-type: none"> I can explain that plants need to take in water for growth I can explain that plants need to take in water for survival I can explain that plants need to take in light for growth I can explain that plants need to take in light for survival | | <p>Plants Animals Growth Survival Water Light Food Waste</p> |

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| <p>and have a way to dispose of waste.</p> | | <ul style="list-style-type: none"> • I can explain that animals need to take in water for growth • I can explain animals need to take in water for survival • I can explain that animals need to take in food for growth • I can explain that animals need to take in food for survival • I can explain that animals need to dispose of waste for growth • I can explain that animals need to dispose of waste for survival | | |
| <p>1.3.4 Describe how animals' habitats, including plants, meet their needs for food, water, shelter and an environment in which they can live</p> | | <ul style="list-style-type: none"> • I can describe how animals habitats including plants meets their needs for food • I can describe how animals habitats including plants meets their needs for water • I can describe how animals habitats including plants meet their needs for shelter • I can describe how animals habitats including plants meets their needs for an environment in which they can live | | <p>Animals Habitats Plants Food Water Shelter Environment</p> |

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| <p>1.3.5 Observe and describe ways in which animals and plants depend on one another for survival.</p> | | <ul style="list-style-type: none"> I can describe ways in which animals depend on and plants depend on one another for survival | | <p>Animals Plants Depend Survival</p> |
| <p>1.4.1 Use all senses as appropriate to sort objects as being composed of materials that are naturally occurring, human made or a combination of the two.</p> | | <ul style="list-style-type: none"> I can use all senses to appropriate to sort objects as being composed of materials that are naturally occurring I can use all senses to appropriate to sort objects as being composed of materials that are human made I can use all senses to appropriate to sort objects as being composed of materials that are a combination of the two | | <p>Senses Appropriate Sort Composed Materials Naturally occurring Human made Combination</p> |
| <p>1.4.2 Choose two animals that build shelters within their habitats. Compare the shelters in terms of the materials and tools they use and the type and purpose of shelter they provide.</p> | | <ul style="list-style-type: none"> I can choose two animals that build shelters within their habitats I can compare the shelters in terms of the materials used I can compare the shelters in terms of the tools used I can compare the shelters in terms of type I can compare the shelters in terms of purpose of shelter they provide | | <p>Animals Build Shelter Habitat Materials Tools Purpose</p> |

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| <p>1.4.3 Construct a simple shelter for an animal with natural and human-made materials.</p> | | <ul style="list-style-type: none">• I can construct a simple shelter for an animal with natural materials• I can construct a simple shelter for and an animal with human-made materials | | <p>Construct Shelter Animal Natural Human-made</p> |
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