



NEISD Science Year at a Glance 2018 - 2019
Kindergarten

Fall Semester					
Unit Title	Investigation Design & Safety	Properties of Matter	Force and Motion	Forms of Energy	Patterns in the Natural World
Time	3 weeks	3 weeks	3 weeks	3 weeks	4 weeks
Understandings	<p>Scientific Inquiry is a thoughtful and coordinated attempt, to search out, describe, explain, and predict natural phenomena. Scientific literacy includes speaking, listening, presenting, interpreting, reading and writing about science.</p> <p>Descriptive investigations help us discover our world.</p> <p>Various tools can be used to measure, describe and compare different objects and organisms.</p>	<p>Everything on Earth has observable, unique properties that identify, describe, and classify them.</p> <p>Some properties can be observed with the senses, and others can be discovered by using simple tools for exploration.</p>	<p>Magnets can push and pull other objects and make them move.</p> <p>An object is moving when its location or position changes in relation to another object.</p> <p>An object's motion can be described by tracing and measuring its position.</p>	<p>Light, thermal, and sound energy are explored using our five senses.</p> <p>Light, thermal, and sound are forms of energy that are experienced in many ways and places.</p> <p>Properties of materials change when they are heated and cooled.</p>	<p>Weather conditions can change during the day, from day to day, and from season to season.</p> <p>The Sun, Moon, stars, and clouds are natural objects seen in the day and night sky.</p> <p>The seasons, and day and night repeat as natural patterns in nature.</p>
TEKS	K1A, K2, K3, K4	K.5A, K.2C, K.2D, K.5B	K.6C, K.6D, K.2B	K.5B, K.6A	K.8A, K.8B, K.8C



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Spring Semester				
Unit Title	Patterns in the Natural World	Earth's Natural Resources	Organisms & Environments Animals	Organisms & Environments Plants
Time	4 weeks	8 weeks	4 weeks	4 weeks
Understandings	<p>Weather conditions can change during the day, from day to day, and from season to season.</p> <p>The Sun, Moon, stars, and clouds are natural objects seen in the day and night sky.</p> <p>The seasons, and day and night repeat as natural patterns in nature.</p>	<p>Components of Earth's system include materials taken from Earth's resources and are used in our daily lives.</p> <p>Natural sources of water have different colors and clarity.</p> <p>Humans need to care for the environment.</p> <p>Humans can help and harm the environment.</p>	<p>Animals have basic needs and depend on living and non living things around them for survival.</p> <p>Animals resemble their parents and have structures and processes that help them survive within their environment.</p>	<p>Plants have basic needs and depend on living and non living things around them for survival.</p> <p>Plants resemble their parents and have structures and processes that help them survive within their environment.</p>
TEKS	K.7A, K.5A, K.7B, K.7C, K.3B, K.3C	K.1B, K.3A	K.10A, K.10B, K.9A, K.9B	K.10A, K.10B, K.10C, K.10D, K.9B