

New Jersey Student Learning Standards: Science Kindergarten Pacing Guide

Established 2017-2018

Revised 2019-2020

Revised 2022-2023

TRIMESTER 1 (approximately 60 days)	TRIMESTER 2 (approximately 60 days)	TRIMESTER 3 (approximately 60 days)
<p>Unit 1: Engineering and Technology (28-30 days) [ETSS1-1]</p> <ul style="list-style-type: none"> What are the procedures and rules to ensure science safety? <ul style="list-style-type: none"> Five Safety Procedures/Rules What Does An Engineer Do? <ul style="list-style-type: none"> Solve a Problem Engineers Problems and Solutions How Can We Use a Design Process? <ul style="list-style-type: none"> Light Problem Design Process Step 1 & 2 Design Process Step 3 & 4 Design Process Step 5 Unit Projects <ul style="list-style-type: none"> Design a Coin Sorter Off to the Races! <p>Unit 2: Forces and Motion (28-30 days) [PS2.A-C; PS2-1-2; ETS1.A]</p> <ul style="list-style-type: none"> What Is Motion? <ul style="list-style-type: none"> Speed Pushes/Pulls Speed How Can We Change the Way Things Move? <ul style="list-style-type: none"> Direction/Speed Speed 	<p>Unit 3: Plants and Animals (38-40 days) [LS1-1; LS1.C; ESS2-2; ESS2.C, ESS3-1; ESS3.A]</p> <ul style="list-style-type: none"> What Do Plants Need? <ul style="list-style-type: none"> Living/Nonliving Sunlight, water/soil Air/Space to grow What Do Animals Need? <ul style="list-style-type: none"> Plants/Animals What People Need What Animals Need Water/Air/Food for Animals Where Do Plants and Animals Live? <ul style="list-style-type: none"> Living things all around Habitats: Deserts/Forests/Ponds/Oceans How Do Plants and Animals Change Their Environment? <ul style="list-style-type: none"> Changes Plants/Animals make Changes to the Environment Unit Project <ul style="list-style-type: none"> Animal Changes Grow a Garden <p>Unit 4: Sun Warms Earth (18-20 days) [PS3-1-2; PS3.B]</p> <ul style="list-style-type: none"> How Does the Sun Warm Earth? <ul style="list-style-type: none"> Sun's Heat Sun's Light How Can I Protect Myself 	<p>Unit 5: Weather (38-40 days) [ESS2-1-2; ESS2.D; ESS3.B; ETS1.A]</p> <ul style="list-style-type: none"> How Can We Observe Weather Patterns? <ul style="list-style-type: none"> Kinds of Weather Seasons Weather Patterns <ul style="list-style-type: none"> Observing Patterns How Can We Measure Weather? <ul style="list-style-type: none"> Measuring Weather Weather Tools <ul style="list-style-type: none"> Using Weather Tools What Are Kinds of Severe Weather? <ul style="list-style-type: none"> Winter Storms Hurricanes Thunderstorms Tornadoes How Can Forecasts Help Us? <ul style="list-style-type: none"> Plan for Severe Weather Prepare for Weather Weather Forecast Unit Project <ul style="list-style-type: none"> Local Weather Forecasts Plan a Trip!

<ul style="list-style-type: none"> ○ Direction ● Unit Project <ul style="list-style-type: none"> ○ A Game of Motion ○ Knock Them Down 	<p>from the Sun?</p> <ul style="list-style-type: none"> ○ Heat ○ Light ○ Shade ● Unit Project <ul style="list-style-type: none"> ○ The Sun Heats Up Land and Water ○ Going Outside to Play! 	<p>Unit 6: Earth's Resources (18-20 days) [ESS3-1,3;ESS3.A,C; ETS1.B]</p> <ul style="list-style-type: none"> ● What Are Natural Resources? <ul style="list-style-type: none"> ○ Water ○ Soil ○ Air ○ Rock ● How Can We Save Natural Resources? <ul style="list-style-type: none"> ○ Saving Natural Resources ○ Reduce ○ Reuse/Recycle ○ Harming Natural Resources ● Unit Project <ul style="list-style-type: none"> ○ Reuse a Milk Carton ○ Grocery Shopping to Help the Environment
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