

Hopkins County Schools  
 Grade: Kindergarten  
 NGSS Pacing Guide & Curriculum Map

<b>Marking Period</b>	<b>NGSS Disciplinary Core Ideas</b>	<b>Science Lesson Chapter &amp; Title</b>	<b>Essential Question</b>	<b>I Can...</b>	<b>Key Vocabulary</b>
1 <sup>st</sup> Trimester	Practice 1: Planning and Carrying Out Investigations/Practice 4: Analyzing and Interpreting Data	MPPS Chapter 6: Bubbles	Can you ask questions and carry out experiments that will help you find your answer?	I can ask a question and carry out an experiment to find the answer.	Experiment Data Free-floating Observe
1 <sup>st</sup> Trimester	Practice 4: Analyzing and Interpreting Data	MPPS Chapter 8: Hear Your Heart	Can you collect data and tell what it means?	I can collect data and tell what it means.	Data Stethoscope Similarities Differences
1 <sup>st</sup> Trimester	PS2.A Forces and Motion/PS2.B Types of Interaction/PS3.C Relationship Between Energy and Forces	MPPS Chapter 14: Roller Coasters	How do pushes and pulls change the motion of an object?	I can explain how a force, push or pull, can affect the motion of an object.	Gravity Friction Push Pull Motion Force
1 <sup>st</sup> Trimester	ESS3.B Natural Hazards	Embed in severe weather and tornado drills and procedures.	How can I prepare for severe weather?	I know how to be safe during severe storms and tornadoes.	Drill Severe Prepare Thunder Storm Tornado Siren Shelter

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2 <sup>nd</sup> Trimester	LS1.C Organization for Matter and Energy Flow in Organisms	EMPPS Chapter 11: Do You Know Which Ones Will Grow?	What do plants and animals need to live and grow?	I can show what plants and animals need to live and grow.	Living Nonliving Grow Water Light Food Seeds
2 <sup>nd</sup> Trimester	ESS3.C Human Impact on Earth Systems	EMPPPS Chapter 17: Reduce, Reuse, Recycle	How do choices I make affect the earth?	I can describe ways to help the earth.	Reduce Reuse Recycle Pollution Landfill Compost
2 <sup>nd</sup> Trimester	LS1.C Organization for Matter and Energy Flow in Organisms/ESS3.A Natural Resources/ESS3.C Human Impacts on Earth Systems/ESS2.E Biogeology	MPPS Chapter 12: Be a Friend to Trees	How can you preserve and protect trees?	I can name ways to preserve and protect trees.	Preserve Protect Sunlight Water Soil Bark Leaf Trunk
3 <sup>rd</sup> Trimester	PS3.B Conservation of Energy and Energy Transfer	MPPS Chapter 17: Sunshine on My Shoulder	What effect does sunlight have on the earth's surface and on me?	I can describe how sunlight affects the earth's surface and my personal safety.	Ultraviolet Light Clouds Sun Sunscreen Heat Warmth

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3 <sup>rd</sup> Trimester	ESS2.D Weather and Climate	<a href="http://www.resa.net/curriculum/curriculum/science/professionaldevelopment/ngss-pd/lesson-plans-exploring-ngss/">http://www.resa.net/curriculum/curriculum/science/professionaldevelopment/ngss-pd/lesson-plans-exploring-ngss/</a> Name of Lesson: Weather Patterns – Grade K	What is weather, how can it be measured, and what patterns can be observed?	I can describe weather, measure precipitation, temperature, wind speed, and wind direction, and notice patterns over time.	Forecast Measure Temperature Precipitation Wind Speed
3 <sup>rd</sup> Trimester	ETS1.A Defining and Delimiting Engineering Problems/ ETS1.B Developing Possible Solutions/ ETS1.C Optimizing the Design Solution	MPPS Chapter 19: Imaginative Inventions ("Leo Cockroach Toy Tester")	How do inventions fulfill needs and wants?	I can design a drawing or model to show how I improve an existing toy.	Design Invention Engineer Model Risk

Notes: