

CURRICULUM MAP FOR SCIENCE GRADE 5

(Suggested timeline for introducing content and process standards - some overlap all four quarters)

SCIENCE GSEs	Sinking and Floating Kit	Weather	Solar System	Models and Designs Kit
1. Life Science	Not Covered in Grade 5	Not Covered in Grade 5	Not Covered in Grade 5	Not Covered in Grade 5
2. Earth and Space Science		<ul style="list-style-type: none"> • Atmospheric layers 2.2.4 • Clouds and water vapor 2.2.2 • Water cycle 2.2.1, 1.7.1 • Humidity, temperature, altitude and air pressure 2.2.3 • Air masses 2.4.4 • Fronts 2.4.5 • Convection 2.4.1 • Differential heating 2.4.2 • Differential heating and wind 2.4.3 • Natural occurrences 2.3.1 <ul style="list-style-type: none"> • Experiment/Activity • Open Response • Assessment Target 	<ul style="list-style-type: none"> • Sun 2.9.2 • Gravity 2.8.4 • Day/night, year, seasons 2.8.2 • Phases of the moon 2.8.3 • Tides 2.8.2 • Celestial movement 2.8.1 • Appearance of celestial movement from Earth's surface 2.9.1 • Planets 2.6.1 - 2.6.2 <ul style="list-style-type: none"> • inner/outer • orbit • size • composition • atmosphere • surface • other objects • Explorations 2.7.1 <ul style="list-style-type: none"> • Experiment/Activity • Open Response • Assessment Target 	Use Models and Design for inquiry
3. Physical Science	Build background <ul style="list-style-type: none"> • What is matter 3.1.1 • Classifying by properties of matter 3.2.1 • phases of matter 3.4.1 • characteristics of matter 			Use Models and Design for inquiry

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	<ul style="list-style-type: none"> 3.2.2 • characteristics of solids, liquid, gases 3.4.1 • Heating/cooling matter 3.4.2 Investigating density • matter (S&F lesson 1) 3.1.1 • Mass (S&F lesson 5 with 3) 3.1.1 • Volume (S&F lesson 10) 3.1.1 • Density of solids (S&F lesson 12 and mystery cylinder) 3.1.1 • Solutions (S&F lesson 13) 3.5.1 • Mixtures, pure substances, elements, compounds 3.5.1 • <u>D</u>ensity (S&F lesson 14) 3.1.1 • Density of liquids (S&F lesson 15 and 1) 3.1.1 • Conservation of Matter (S&F lesson 6) 3.3.1 • Density of objects (S&F lesson 7) 3.1.1 • Experiment/Activity • Open Response • Assessment Target 			
4. Inquiry	Inquiry Method <ul style="list-style-type: none"> • Collects data • Communicates understanding & ideas • Designs, conducts, & critiques 	Inquiry Method <ul style="list-style-type: none"> • Collects data • Communicates understanding & ideas • Designs, conducts, & critiques 	Inquiry Method <ul style="list-style-type: none"> • Collects data • Communicates understanding & ideas • Designs, conducts, & critiques 	Inquiry Method <ul style="list-style-type: none"> • Collects data • Communicates understanding & ideas • Designs, conducts, & critiques

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	<p>investigations</p> <ul style="list-style-type: none"> • Represents, analyzes, & interprets data • Experimental design • Observes • Predicts • Questions and hypothesizes • Uses evidence to draw conclusions • Uses tools, & techniques <p>Open Response</p> <p>Assessment Target</p>	<p>investigations</p> <ul style="list-style-type: none"> • Represents, analyzes, & interprets data • Experimental design • Observes • Predicts • Questions and hypothesizes • Uses evidence to draw conclusions • Uses tools, & techniques <p>Open Response</p> <p>Assessment Target</p>	<p>investigations</p> <ul style="list-style-type: none"> • Represents, analyzes, & interprets data • Experimental design • Observes • Predicts • Questions and hypothesizes • Uses evidence to draw conclusions • Uses tools, & techniques <p>Open Response</p> <p>Assessment Target</p>	<p>investigations</p> <ul style="list-style-type: none"> • Represents, analyzes, & interprets data • Experimental design • Observes • Predicts • Questions and hypothesizes • Uses evidence to draw conclusions • Uses tools, & techniques <p>Open Response</p> <p>Assessment Target</p>