

Saint Theresa of Avila School- West Roxbury, MA

Curriculum Maps

Subject: Science	Grade: 2
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Time Frame	Essential Question	Topic	Content	Resources	Assessments	Standards
September	What is matter? What are some properties of matter? What are solids, liquids, and gases?	Matter Classify matter through physical properties. Matter can be in a solid, liquid, or gas.	Matter can be observed by properties of color, texture size, shape, sink or float, temperature, solid, liquid, and gas.	Pearson Grade 2 Interactive Science Workbook Teacher created worksheets	Matter Experiments Lesson Checks 1 and 2	PS2 2PS1-4
October	What are some ways matter can change? How can water change?	Matter can go through physical changes. Mixture Volume	Matter can be molded, folded, teared, and bent. Matter can be in a mixture and separated. Matter can evaporate, be cooled, heated (evaporated)	Pearson Grade 2 Interactive Science Workbook Teacher created worksheets	Matter Experiments Lesson Checks 3 and 4	2PS1-4
November	How can you combine materials?	Matter and materials can be combined.	Matter can be combined to make bridges, buildings, and towers	Pearson Grade 2 Interactive Science Workbook Teacher created worksheets	Matter Experiments Lesson Checks 5 and Chapter 1 assessment	2PS1-4

December	What is Earth made of?	Landform and bodies of water Earth can change quickly and slowly	Compare and contrast landforms and bodies of water The Earth can change through earthquakes, volcanoes, weathering, and erosion,	Pearson Grade 2 Interactive Science Workbook Teacher created worksheets	Lesson checks	2-ESS2-1 2-ESS2-2 2-ESS2-3
January	What is Earth made of?	Fossils	Fossils are formed from extinct animals	Pearson Grade 2 Interactive Science Workbook Teacher created worksheets	Fossil Experiment Lesson checks Chapter 3 assessment	2-ESS2-1 2-ESS2-2 2-ESS2-3
February	What are the parts of plants? What are some kinds of animals?	Identify parts of a plant Identify animal groups	Parts of a plant: roots, stem, pollen seed plants, nutrients Animal groups: amphibian, mammals, birds, reptiles	Pearson Grade 2 Interactive Science Workbook Teacher created worksheets	Lesson checks	2-LS2-3(MA)
March	What are some parts of animals? Where do plants and animals live?	Identify animal parts and needs Habitats (plants and animals)	Animal Needs: camouflage, poison, hard body parts Animal and plant habitats: forest, ocean, desert, wetland, rain forest	Animal ear comparison experiment Where can plants live experiment	Lesson checks Experiments	2-LS2-3(MA)

April	<p>How do living things get food?</p> <p>How does water affect plant growth?</p>	<p>Food Chain</p> <p>Predator</p> <p>Prey</p> <p>Plant growth</p>	<p>Living things get energy from food</p> <p>A food chain shows how energy passes from one living thing to another</p> <p>Predator is an animal that catches and eats another animal</p> <p>Prey is an animal that is caught and eaten</p> <p>Plants need water daily to survive and grow</p>	<p>Food Chain Experiment</p> <p>Water and plant growth experiment</p>	<p>Food Chain Experiment</p> <p>Plant/Water Experiment</p> <p>Lesson checks</p> <p>Chapter 2 assessment</p>	2-LS2-3(MA)
May	<p>What is technology? How does technology help solve problems? How do we use tools and machines?</p>	<p>Technology</p> <p>Invent</p> <p>Simple machines</p>	<p>Engineers help solve problems through technology, tools, and simple machines</p>	<p>Warm water experiment</p> <p>Lever experiment</p>	<p>Lever Experiment</p> <p>Lesson checks</p>	2.K-2-ETS1-3.
June	<p>How does friction affect the speed and temperature of an object? Does a material's properties affect the amount of energy that object can create?</p>	<p>Friction</p>	<p>Friction affects temperature and speed of objects that rub against each other</p>	<p>Friction experiment</p> <p>Teacher created worksheets</p>	<p>Friction experiment</p>	2-PS3-1(MA)