

Saint Theresa of Avila School- West Roxbury, MA

Curriculum Maps

Subject: Science	Grade: Fifth
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Time Frame	Essential Question	Topic	Content	Resources	Assessments	Standards
September	What is science?	Intro to science	<ul style="list-style-type: none"> Learn the branches of science Learn the topics in the textbook Learn the scientific method Learn about the grade five science program 	<ul style="list-style-type: none"> Interactive science student workbook Interactive teacher textbook pearsonrealize.com iPads Smart Board Supplement teacher worksheets 	<ul style="list-style-type: none"> Informal Assessments 	
October	What are the properties of matter?	Properties of matter	<ul style="list-style-type: none"> What makes up matter How can matter be described? What are solids, liquids, and gasses? What are mixtures and solutions? How does matter change? 	<ul style="list-style-type: none"> Interactive science student workbook Interactive teacher textbook pearsonrealize.com iPads Smart Board Supplement teacher worksheets Interactive science kit materials Pearson leveled readers (Properties of Matter, Learning about Matter, and All about Atoms) 	<ul style="list-style-type: none"> Leveled readers assessments Lesson workbook pages Lesson review worksheets Lesson quizzes Explore it experiments Chapter reviews Chapter 1 test 	5-PS1-1 5-PS1-2 5-PS1-3 5-PS1-4
November December	What affects the motion of objects?	Forces and motion	<ul style="list-style-type: none"> What are forces? What are Newton's Laws How are forces combined? How are shadows formed? 	<ul style="list-style-type: none"> Interactive science student workbook Interactive teacher textbook pearsonrealize.com iPads Smart Board Supplement teacher 	<ul style="list-style-type: none"> Leveled readers assessments Lesson workbook pages Lesson review worksheets Lesson quizzes Explore it 	5-PS2-1

				worksheets <ul style="list-style-type: none"> Interactive science kit materials Pearson leveled readers (Forces and Motion, How do objects move, The Science of Building) 	experiments <ul style="list-style-type: none"> Chapter reviews Chapter 2 test 	
January	How do plants and animals grow and change?	Growth and Survival	<ul style="list-style-type: none"> What are some physical structures in living things? How do adaptations help plants? How do adaptations help animals? What are the life cycles of some animals? 	<ul style="list-style-type: none"> Interactive science student workbook Interactive teacher textbook pearsonrealize.com iPads Smart Board Supplement teacher worksheets Interactive science kit materials Pearson leveled readers (Growth and Survival, Animal Survival, and Animal Adaptations) 	<ul style="list-style-type: none"> Leveled readers assessments Lesson workbook pages Lesson review worksheets Lesson quizzes Explore it experiments Chapter reviews Chapter 3 test 	5-LS1-1
February	How do living things interact with their environments?	Ecosystems	<ul style="list-style-type: none"> How do plants get and use energy? How do organisms interact in ecosystems? How do ecosystems change? How do humans impact ecosystems? 	<ul style="list-style-type: none"> Interactive science student workbook Interactive teacher textbook pearsonrealize.com iPads Smart Board Supplement teacher worksheets Interactive science kit materials Pearson Leveled Readers (Diversity, Changing Ecosystems, Our Changing World) 	<ul style="list-style-type: none"> Leveled readers assessments Lesson workbook pages Lesson review worksheets Lesson quizzes Explore it experiments Chapter reviews Chapter 4 test 	5-LS2-1 5-LS2- 2 5-ESS3-1 5-ESS3-2 5-PS3-1

<p>March</p>	<p>How do engineers create technology to clean water?</p>	<p>Creating water filters</p>	<ul style="list-style-type: none"> • What is technology? • What is engineering? • What is the water cycle? • What is an engineering design process? • Understanding the novel <i>Saving Salila's Turtle</i> • Who are environmental engineers? • Exploring Filter materials • Designing a water filter 	<ul style="list-style-type: none"> • Engineering in Elementary (EIE) Teachers binder (Water, Water Everywhere: Designing Water Filters) • <i>Saving Salila's Turtle</i> • EIE worksheets • EIE material kit • EIE water filter materials 	<ul style="list-style-type: none"> • EIE worksheets • EIE quizzes • Design Process quiz • Vocabulary quiz • Reading Comprehension quiz • Water filter scoring sheet 	<p>5-ESS3-1 5-ESS3-2 5.3-5-ETS3-1 5.3-5-ETS3-2</p>
<p>April/May</p>	<p>How does water move through the environment?</p>	<p>The water cycle and weather</p>	<ul style="list-style-type: none"> • What is the water cycle? • What are spheres of Earth? • What is weather? • How do clouds and precipitation form? • What is climate? • What are erosions and depositions? 	<ul style="list-style-type: none"> • Interactive science student workbook • Interactive teacher textbook • pearsonrealize.com • iPads • Smart Board • Supplement teacher worksheets • Interactive science kit materials • Pearson Leveled Readers (water on Earth, Finding Water on Earth, Exploring Underwater) 	<ul style="list-style-type: none"> • Leveled readers assessments • Lesson workbook pages • Lesson review worksheets • Lesson quizzes • Explore it experiments • Chapter reviews • Chapter 5 test 	<p>5-ESS2-1 5-ESS2-2</p>
<p>June</p>	<p>How do objects move in space?</p>	<p>Earth and Space</p>	<ul style="list-style-type: none"> • How does Earth move? • What is a star? • What are the inner planets? • What are the outer planets? • What are asteroids, meteors, comets, and moons? 	<ul style="list-style-type: none"> • Interactive science student workbook • Interactive teacher textbook • pearsonrealize.com • iPads • Smart Board • Supplement teacher worksheets • Interactive science kit materials • Pearson Leveled Readers (The Solar System, Earth's Place in Space, Mars: The Red Planet) 	<ul style="list-style-type: none"> • Leveled readers assessments • Lesson workbook pages • Lesson review worksheets • Lesson quizzes • Explore it experiments • Chapter reviews • Chapter 6 test 	<p>5-ESS1-1 5-ESS1-2</p>

