

Saint Theresa of Avila School- West Roxbury, MA

Curriculum Maps

Subject: Science	Grade: Four
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Time Frame	Essential Question(s)	Topic	Content	Resources	Assessments	Standards
September	How does energy cause change?	Introduction to Fourth Grade Science  Energy and Heat	<ul style="list-style-type: none"> <li>• Discuss topics in book</li> <li>• Discuss how tests and quizzes will be set up</li> <li>• What are forms of energy?</li> <li>• What is sound energy?</li> <li>• What is light energy?</li> <li>• What is heat?</li> </ul>	Pearson Interactive Science Student Textbook Pearson Interactive Science Teacher Book Pearson Realize Online Program Lesson Checks Try it! Experiments Leveled Content Readers Interactive Science Kit Materials Supplemental Teacher worksheets	Lesson Quizzes Chapter Tests Individual Conferences	PS3.A.3-5.1 PS3.A.3-5.2 PS3.B.3-5.1 PS3.B.3-5.3 PS3.D.3-5.1 PS4.A.3-5.1 PS4.B.3-5.2 PS4.B.3-5.1
October	How can motion be described and measured?	Motion	<ul style="list-style-type: none"> <li>• What is motion?</li> <li>• What is speed?</li> </ul>	Pearson Interactive Science Student Textbook Pearson Interactive Science Teacher Book Pearson Realize Online Program Lesson Checks Try it! Experiments Leveled Content Readers Interactive Science Kit Materials Supplemental Teacher	Lesson Quizzes Chapter Tests Individual Conferences	PS3.A.3-5.1 PS3.B.3-5.1 PS3.B.3-5.1 PS3.C.3-5.1

				worksheets		
<b>November</b>	How is electrical energy transferred and transformed?	Electricity	<ul style="list-style-type: none"> <li>• How do electric charges flow in a circuit?</li> <li>• How can energy change?</li> </ul>	Pearson Interactive Science Student Textbook Pearson Interactive Science Teacher Book Pearson Realize Online Program Lesson Checks Try it! Experiments Leveled Content Readers Interactive Science Kit Materials Supplemental Teacher worksheets	Lesson Quizzes Chapter Tests	PS3.A.3-5.2 PS3.B.3-5.1 PS3.B.3-5.2 PS3.B.3-5.3
<b>December &amp; January</b>	What do living organisms need to survive?	Plants and Animals	<ul style="list-style-type: none"> <li>• How are plants and animals classified?</li> <li>• How do plants reproduce?</li> <li>• How do plants make food?</li> <li>• What are adaptations?</li> <li>• What plant and animal characteristics are inherited?</li> <li>• How do animals respond to the environment?</li> </ul>	Pearson Interactive Science Student Textbook Pearson Interactive Science Teacher Book Pearson Realize Online Program Lesson Checks Try it! Experiments Leveled Content Readers Interactive Science Kit Materials Supplemental Teacher worksheets	Lesson Quizzes Chapter Tests	LS1.A.3-5.1 LS1.D.3-4.1
<b>February &amp; March</b>	How do living things interact with their environment?	Ecosystems	<ul style="list-style-type: none"> <li>• What are ecosystems?</li> <li>• How do living things affect the environment?</li> <li>• What are natural resources</li> <li>• What are fossils?</li> <li>• What can fossils tell us?</li> </ul>	Pearson Interactive Science Student Textbook Pearson Interactive Science Teacher Book Pearson Realize Online Program	Lesson Quizzes Chapter Tests	ESS1.C.3-5.1 ESS2.E.3-5.1 ESS3.A.3-5.1

				Lesson Checks Try it! Experiments Leveled Content Readers Interactive Science Kit Materials Supplemental Teacher worksheets		
<b>April &amp; May</b>	How do Earth's resources change?	Earth's Resources	<ul style="list-style-type: none"> <li>• How are minerals classified?</li> <li>• How are rocks classified?</li> <li>• What are weathering and erosion?</li> <li>• How can Earth's surface change rapidly?</li> <li>• Where is Earth's water?</li> <li>• What is the water cycle?</li> </ul>	Pearson Interactive Science Student Textbook Pearson Interactive Science Teacher Book Pearson Realize Online Program Lesson Checks Try it! Experiments Leveled Content Readers Interactive Science Kit Materials Supplemental Teacher worksheets	Lesson Quizzes Chapter Tests	ESS1.C.3-5.1 ESS2.A.3-5.1 ESS2.B.3-5.1 ESS2.E.3-5.1 ESS3.B.3-5.1
<b>June</b>	Engineering is Elementary "EiE"	Plants and package engineering for elementary students	<ul style="list-style-type: none"> <li>• <i>A Gift From Fadil</i></li> <li>• Who are packaging engineers?</li> <li>• Evaluating needs and creating criteria</li> <li>• Designing a plant package</li> </ul>	<i>Engineering is Elementary</i> curriculum <i>A Gift From Fadil</i> story book Teacher guide EiE Kit materials EiE provided handouts	EiE provided assessments	ITEEA National Standards and Benchmarks- 1B 2D 2E 2J 4B 5A 5B 6A 6C 8A 8C 8D 9A 9B

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						9D
						9E
						10A
						11A
						AAB
						11F
						12G
						19G