



1<sup>st</sup> Quarter (44 Days)

Resource:  
Science Fusion (Houghton Mifflin Harcourt, 2016)

Week	Unit/Lesson	Learning Objectives	Reporting Categories ( TEKS SEs)
Week 1	Unit 1 Lesson 1 <i>What are senses?</i>	TSW <ul style="list-style-type: none"> <li>Record and organize data, and communicate observations.</li> <li>Identify the five senses and the body part associated with each sense.</li> <li>Explain how the five senses help us learn.</li> </ul>	§1.2A
Week 2	Unit 1 Lesson 2 <i>How Can We Use Our Senses?</i>	TSW <ul style="list-style-type: none"> <li>Recognize and demonstrate safe practices.</li> <li>Plan and conduct simple descriptive investigations.</li> <li>Collect and compare information and make observations using simple equipment.</li> </ul>	1.2A, 1.2B, 1.2D
Week 3	Unit 1 Lesson 3 <i>What Are Inquiry Skills?</i>	TSW <ul style="list-style-type: none"> <li>Record and organize data using pictures, numbers, and words.</li> <li>Communicate observations and provide reasons for explanations using student-generated data from simple descriptive investigation</li> </ul>	1.2D, 1.2E
Week 4	Unit 1 Lessons 4-5 <i>What Are Science Tools?</i> <i>How Do We Use Inquiry Tools?</i>	TSW <ul style="list-style-type: none"> <li>Ask questions about organisms and objects observed in the natural world.</li> <li>Describe what scientists do.</li> <li>Collect data and make observations using simple equipment.</li> <li>Collect and compare information using nonstandard measuring items.</li> <li>Measure and compare objects using nonstandard units</li> </ul>	1.2A, 1.2B, 1.2D, 1.2C, 1.4A, 1.4B
Week 5	Unit 1 Lesson 6 <i>How Do Scientists Work?</i>	TSW <ul style="list-style-type: none"> <li>Plan and conduct simple investigations.</li> <li>Record and organize data. Share observations.</li> <li>Describe what scientists do.</li> </ul>	1.2A, 1.2B, 1.2D, 1.2E, 1.3C
Week 6	Unit 1 Review & Assessments	Review and Assessment	
Week 7	Unit 2 Lessons 1-2 <i>How Do Engineers Work?</i> <i>How Can We Solve a Problem?</i>	TSW <ul style="list-style-type: none"> <li>Recognize and demonstrate the importance of safe practices.</li> <li>Identify and explain a problem and propose a solution in his/her own words</li> </ul>	1.3A, 1.2A, 1.2D
Week 8	Unit 2 Lessons 3-4 <i>What Materials Make Up Objects? How Can Materials</i>	TSW <ul style="list-style-type: none"> <li>Identify materials.</li> <li>Classify objects by observable properties of the materials from which they are made.</li> </ul>	1.1C, 1.5A, 1.2A, 1.2B, 1.2D



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Week	Unit/Lesson	Learning Objectives	Reporting Categories ( TEKS SEs)
	<i>Be Sorted</i>		
<b>Week 9</b>	<b>Unit 2 Review &amp; Assessment</b>	End of unit projects and assessments. <b>1st Benchmark</b>	
<b>Week 10</b>	<b>Review</b>	<b>Review</b>	<b>Review</b>

2nd Quarter (43 Days)

**Resource:**  
Science Fusion (Houghton Mifflin Harcourt, 2016)

Week	Unit/Lesson	Learning Objectives	Reporting Categories ( TEKS SEs)
<b>Week 1</b>	<b>Unit 3 Lesson1</b> <i>What Can We Observe About Objects?</i>	<b>TSW</b> <ul style="list-style-type: none"> <li>Classify objects by observable properties such as larger and smaller, heavier and lighter, shape, color, and texture.</li> </ul>	1.2B, 1.2D, 1.5A
<b>Week 2</b>	<b>Unit 3 Lesson 2-3</b> <i>How Can We Measure Temperature? How Does Heating and Cooling Change Matter?</i>	<b>TSW</b> <ul style="list-style-type: none"> <li>Collect and compare information and make observations using thermometers. Record and organize data.</li> <li>Identify changes in materials caused by heating and cooling.</li> <li>Collect, record, and compare information using timing devices, such as clocks and timers.</li> </ul>	1.2A, 1.2B, 1.2D, 1.4A, 1.5B
<b>Week 3</b>	<b>Unit 3 Assessments</b>	End of unit projects and assessments.	Review
<b>Week 4</b>	<b>Unit 4 Lesson 1 &amp; 2</b> <i>How Do We Use Energy? How Do Magnets Move Objects?</i>	<b>TSW</b> <ul style="list-style-type: none"> <li>Ask questions about events observed in the natural world.</li> <li>Identify and discuss how different forms of energy such as light, heat, and sound are important to everyday life. Ask questions about events observed in the natural world.</li> <li>Identify and discuss how different forms of energy such as light, heat, and sound are important to everyday life.</li> </ul>	1.6A 1.2B, 1.2D, 1.2E, 1.4A, 1.6B
<b>Week 5</b>	<b>Unit 4 Lessons 3-5</b> <i>How Do Objects Move? How Can We Change the Way</i>	<b>TSW</b> <ul style="list-style-type: none"> <li>Demonstrate and record ways that objects can move such as in a straight line, zig zag, up and down, back and forth, round and round, and fast and slow.</li> </ul>	1.6D, 1.2A, 1.2B, 1.2D, 1.6D, 1.6C



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Week	Unit/Lesson	Learning Objectives	Reporting Categories ( TEKS SEs)
	<i>Objects Move?</i>	<ul style="list-style-type: none"> <li>Describe the change in the location of an object such as closer to, nearer to, and farther from</li> </ul>	
Week 6	<b>Unit 4 Review &amp; Assessment</b>	End of unit projects and assessments.	
Week 7	<b>Unit 5 Lessons 1-2</b> <i>What Can We Find on Earth? What Is Soil?</i>	<b>TSW</b> <ul style="list-style-type: none"> <li>Identify natural resources.</li> <li>Gather evidence of how rocks, soil, and water help to make useful products.</li> <li>Observe, compare, describe, and sort components of soil by size, texture, and color.</li> </ul>	1.1C, 1.7C, 1.7A
Week 8	<b>Unit 5 Lessons 3-4</b> <i>What Do We Find in Soil? How Do Soils Differ</i>	<b>TSW</b> <ul style="list-style-type: none"> <li>Collect, compare, and make observations using hand lenses and safety goggles.</li> <li>Observe and compare components of soil.</li> </ul> <b>2<sup>nd</sup> Benchmark</b>	1.2A, 1.2B, 1.2D, 1.7A
Week 9	<b>Unit 5 Lesson 5 &amp; 6 / Unit Assessment</b> <i>Where Can We Find Water? How Can We Save Resources?</i>	<b>TSW</b> <ul style="list-style-type: none"> <li>Record and compare information using notebooks.</li> <li>Identify and describe a variety of natural resources of water, including streams, lakes, and oceans.</li> <li>Identify and learn how to use natural resources and materials, including conservation and reuse or recycling of paper, plastic, and metals.</li> </ul>	1.2B, 1.2D, 1.4A, 1.7B

3rd Quarter (43 Days)

Resource: Science Fusion (Houghton Mifflin Harcourt, 2016)			
Week	Unit/Lesson	Learning Objectives	Reporting Categories ( TEKS SEs)
Week 1	<b>Unit 6 Lessons 1-3:</b> <i>What Is Weather? What Can We Observe About Weather? What Are Seasons?</i>	<b>TSW</b> <ul style="list-style-type: none"> <li>Make predictions based on observable patterns.</li> <li>Collect and compare information using tools, such as classroom demonstration thermometers and windsocks.</li> <li>Record <b>Jan 16-18</b> weather information, including relative temperature.</li> <li>Demonstrate that air is all around us and observe that wind is moving air.</li> </ul>	1.8A, 1.8D, 1.2A, 1.2B, 1.2D, 1.3B, 1.8A, 1.3B, 1.8C



3rd Quarter (43 Days)

Resource:  
Science Fusion (Houghton Mifflin Harcourt, 2016)

Week	Unit/Lesson	Learning Objectives	Reporting Categories ( TEKS SEs)
		<ul style="list-style-type: none"> <li>Identify characteristics of the seasons of the year.</li> </ul>	
Week 2	Unit 6 Assessments	End of unit projects and assessments.	
Week 3	Unit 7 Lesson 1 <i>What Can We See In the Sky?</i>	TSW <ul style="list-style-type: none"> <li>Recognize the importance of safe practices to keep self and others safe and healthy.</li> <li>Record and organize data.</li> <li>Identify characteristics of day and night.</li> </ul>	1.8C, , 1.3B, 1.8A, 1.3B, 1.8D
Week 4	Unit 7 Lessons 2 <i>How Does the Sky Seem to Change?</i>	TSW <ul style="list-style-type: none"> <li>Observe and record changes in the appearance of objects in the sky.</li> <li>Make observations using non-standard measurement tools and measuring items.</li> </ul>	1.3B, 1.8B, 1.2A, 1.2B, 1.2D, 1.4A, 1.4B, 1.8B
Week 5	Unit 7 Lesson 3+ End of Unit Projects: <i>How Does the Sun Seem to Move?</i>	TSW <ul style="list-style-type: none"> <li>Observe and record changes in the appearance of objects</li> <li>Complete unit projects.</li> </ul>	1.2D, 1.4A, 1.4B, 1.8B
Week 6	Unit 7 Review & Assessments	End of unit projects and assessments.	
Week 7	Unit 8 Lesson 1 <i>What Are Living and Nonliving Things?</i>	TSW <ul style="list-style-type: none"> <li>Ask questions about organisms and objects observed in the natural world.</li> <li>Sort and classify living and nonliving things.</li> </ul>	1.9A
Week 8	Unit 8 Lessons 2-3 <i>Where Do Plants and Animals Live?</i> <i>What Is a Terrarium?</i>	TSW <ul style="list-style-type: none"> <li>Observe habitats of organisms such as aquariums and terrariums.</li> <li>Gather evidence and record examples of interdependence among living things or found in various situations.</li> </ul> <b>3<sup>rd</sup> Benchmark</b>	1.9B, 1.9C, 1.2A, 1.2B, 1.2D, 1.4A, 1.9B
Week 9	Unit 8 Review & Assessment	End of unit projects and assessments.	



4th Quarter (46 Days)

**Resource:**  
Science Fusion (Houghton Mifflin Harcourt, 2016)

Week	Unit/Lesson	Learning Objectives	Reporting Categories ( TEKS SEs)
Week 1	Review	Review	Review
Week 2	Unit 9 Lessons 1-2: <i>How Do Animals Differ?</i> <i>How Can We Group Animals?</i>	TSW <ul style="list-style-type: none"> <li>Investigate how external characteristics of an animal are related to where it lives, how it moves, and what it eats.</li> </ul>	1.10A, 1.2A, 1.2B, 1.2D, 1.10A
Week 3	Unit 9 Lessons 1-2: <i>How Do Animals Differ?</i> <i>How Can We Group Animals?</i>	TSW <ul style="list-style-type: none"> <li>Investigate how external characteristics of an animal are related to where it lives, how it moves, and what it eats.</li> </ul>	1.10A, 1.2A, 1.2B, 1.2D, 1.10A
Week 4	Unit 9 Lesson 3: <i>What Are Some Animal Life Cycles?</i>	TSW <ul style="list-style-type: none"> <li>Compare ways that young animals resemble their parents.</li> <li>Observe and record life cycles of animals such as a chicken, frog, or fish.</li> </ul>	1.10C, 1.10D
Week 5	Unit 9 Review/ IOWA Testing	IOWA/ ITBS Complete Battery KG-2	Review
Week 6	Unit 9 Assessments	End of unit projects and assessments.	Review
Week 7	Unit 10 Lesson 1: <i>What Are Some Parts of Plants?</i>	TSW <ul style="list-style-type: none"> <li>Collect and compare information and make observations using a hand lens.</li> <li>Record and organize data.</li> <li>Identify and compare the parts of plants.</li> </ul>	1.10B, 1.2B, 1.2D
Week 8	Unit 10 Lesson 2 & 3: <i>How Can We Compare Leaves?</i> <i>How Are Plants Different?</i>	TSW <ul style="list-style-type: none"> <li>Plan and conduct simple investigations.</li> <li>Identify and compare the parts of plants.</li> <li>Measure and compare organisms using non-standard units.</li> <li>Identify and compare the parts of plants</li> </ul>	1.10B, 1.2A, 1.2B, 1.2D, 1.4A, 1.4B, 1.10B
Week 9	End of the unit review and projects / Assessments	TSW will take unit review and assessments. Final Benchmark	Review & Assessment.
Week 10	End of the year review and projects.	TSW will review concepts learned through the year.	Review