



1 <sup>st</sup> Quarter (44 Days)			
<i>Resources:</i> STEMScopes			
Week	Unit/Lesson	Learning Objectives	TEKS
1 <sup>st</sup> : Aug 8-9 (2 days)	Welcome to school	TW establish class routines and procedures	N/A
2 <sup>nd</sup> : Aug 12-16 (5 days)	<b>Properties of Objects</b> Lesson 1: Describe it! Lesson 2: Property Toss	<ul style="list-style-type: none"> <li>• TSW, identify physical properties including shape, color, texture, and material.</li> <li>• record different physical properties of objects including shape, color, texture, and material.</li> <li>• classify the physical properties of objects in different ways.</li> </ul>	<b>K.6</b> identify and record observable physical properties of objects, including shape, color, texture, and material, and generate ways to classify objects
3 <sup>rd</sup> : Aug 19-23 (3 days)	<b>Properties of Objects</b> Lesson 3: Texture Touch Lesson 4: Marvelous Materials	<ul style="list-style-type: none"> <li>• TSW, identify physical properties including shape, color, texture, and material.</li> <li>• record different physical properties of objects including shape, color, texture, and material.</li> <li>• classify the physical properties of objects in different ways.</li> </ul>	<b>K.6</b> identify and record observable physical properties of objects, including shape, color, texture, and material, and generate ways to classify objects
4 <sup>th</sup> : Aug 26- Aug 30 (5 days)	<b>Properties of Objects</b> Lesson 5: Classify Me Lesson 6: Eli Spies	<ul style="list-style-type: none"> <li>• TSW, identify physical properties including shape, color, texture, and material.</li> <li>• record different physical properties of objects including shape, color, texture, and material.</li> <li>• classify the physical properties of objects in different ways.</li> </ul>	<b>K.6</b> identify and record observable physical properties of objects, including shape, color, texture, and material, and generate ways to classify objects
5 <sup>th</sup> : Sept 2-6 (4 days)	<b>Monday: Labor Day Holiday</b>	<b>TSW, review and take a test over Properties of Objects.</b>	<b>K.6</b>



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6 <sup>th</sup> : Sept 9-13 (5 days)	<b>Magnets</b> Lesson 1: Stuck on you! Lesson 2: Pole War Lesson 3: Magnetic or not!	<ul style="list-style-type: none"> <li>TSW, describe how magnets interact with various materials.</li> <li>predict how magnets will react with various materials.</li> <li>describe how magnets can be used to push or pull.</li> <li>predict how magnets can be used to push or pull</li> </ul>	<b>K.7</b> describe and predict how a magnet interacts with various materials and how magnets can be used to push or pull
7 <sup>th</sup> : Sept 16-20 (5 days)	<b>Magnetics</b> Lesson 4: Lead me with your magnet Lesson 5: The Magic Racetrack	<ul style="list-style-type: none"> <li>TSW, describe how magnets interact with various materials.</li> <li>predict how magnets will react with various materials.</li> <li>describe how magnets can be used to push or pull.</li> <li>predict how magnets can be used to push or pull.</li> </ul>	<b>K.7</b> describe and predict how a magnet interacts with various materials and how magnets can be used to push or pull
8 <sup>th</sup> : Sept 23-27 (4 days)	<b>Friday: Professional Development</b>	<b>TSW, review and take a test over Magnets</b>	<b>K.7</b>
9 <sup>th</sup> : Sept 30 Oct 4 (5 days)	<b>Light</b> Lesson 1: I Can See! I Can See! Lesson 2: Light Makers! Lesson 3: Light Difference	<ul style="list-style-type: none"> <li>TSW, compare how different amounts of light affect the appearance of objects.</li> <li>demonstrate how light travels through some objects and is blocked by other objects, creating shadows.</li> <li>explain that light travels through some objects and is blocked by other objects, creating shadows.</li> </ul>	<b>K.8A</b> communicate the idea that objects can only be seen when a light source is present and compare the effects of different amounts of light on the appearance of object <b>K.8B</b> demonstrate and explain that light travels through some objects and is blocked by other objects, creating shadows
10 <sup>th</sup> : Oct 7-11 (5 days)	<b>Light</b> Lesson 4: Traveling Light Lesson 5: Shadow Puppet Show Lesson 6: An EnLIGHTing Adventure	<ul style="list-style-type: none"> <li>TSW, compare how different amounts of light affect the appearance of objects.</li> <li>demonstrate how light travels through some objects and is blocked by other objects, creating shadows.</li> <li>explain that light travels through some objects and is blocked by other objects, creating shadows.</li> </ul>	<b>K.8A</b> communicate the idea that objects can only be seen when a light source is present and compare the effects of different amounts of light on the appearance of object <b>K.8B</b> demonstrate and explain that light travels through some objects and is blocked by other objects, creating shadows



2 <sup>nd</sup> Quarter (43 Days)			
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Week	Unit/Lesson	Learning Objectives	TEKS
1 <sup>st</sup> : Oct 14-18 (5 days)	<b>Patterns in the Sky</b> Lesson 1: Fun in the Sun! Lesson 2: Clouds All Around	<ul style="list-style-type: none"> <li>• TSW, identify, describe, and predict the patterns of day and night.</li> <li>• identify, describe, and predict the observable characteristics of day and night.</li> <li>• observe, describe, and illustrate objects in the sky such as the Sun, the Moon, the stars, and clouds.</li> </ul>	<p><b>K.9A</b> identify, describe, and predict the patterns of day and night and their observable characteristics</p> <p><b>K.9B</b> observe, describe, and illustrate the Sun, Moon, stars, and objects in the sky such as clouds</p>
2 <sup>nd</sup> : Oct 21-25 (5 days)	<b>Patterns in the Sky</b> Lesson 3: Big, Bright, Beautiful Stars! Lesson 4: MoonBeams	<ul style="list-style-type: none"> <li>• TSW, identify, describe, and predict the patterns of day and night.</li> <li>• identify, describe, and predict the observable characteristics of day and night.</li> <li>• observe, describe, and illustrate objects in the sky such as the Sun, the Moon, the stars, and clouds.</li> </ul>	<p><b>K.9A</b> identify, describe, and predict the patterns of day and night and their observable characteristics</p> <p><b>K.9B</b> observe, describe, and illustrate the Sun, Moon, stars, and objects in the sky such as clouds</p>
3 <sup>rd</sup> : Oct 28- Nov 1 (4 days)	<b>Patterns in the Sky</b> Lesson 5: Day and Night Patterns Lesson 6: Camping Time <b>Friday Parent/Teacher Conference</b>	<ul style="list-style-type: none"> <li>• TSW, identify, describe, and predict the patterns of day and night.</li> <li>• identify, describe, and predict the observable characteristics of day and night.</li> <li>• observe, describe, and illustrate objects in the sky such as the Sun, the Moon, the stars, and clouds.</li> </ul>	<p><b>K.9A</b> identify, describe, and predict the patterns of day and night and their observable characteristics</p> <p><b>K.9B</b> observe, describe, and illustrate the Sun, Moon, stars, and objects in the sky such as clouds</p>



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4 <sup>th</sup> : Nov 4-8 (5 days)	<b>Patterns in the Sky</b> Lesson 5: Day and Night Patterns Lesson 6: Camping Time	<ul style="list-style-type: none"> <li>TSW, identify, describe, and predict the patterns of day and night.</li> <li>identify, describe, and predict the observable characteristics of day and night.</li> <li>observe, describe, and illustrate objects in the sky such as the Sun, the Moon, the stars, and clouds.</li> </ul>	<p><b>K.9A</b> identify, describe, and predict the patterns of day and night and their observable characteristics</p> <p><b>K.9B</b> observe, describe, and illustrate the Sun, Moon, stars, and objects in the sky such as clouds</p>
5 <sup>th</sup> : Nov 11-15 (5 days)	<b>TSW review and take a test over "Patterns in the sky"</b>	<b>TSW review and take a test over "Patterns in the sky"</b>	<b>K.9A K.9B</b>
6 <sup>th</sup> : Nov 18-22 (5 days)	<b>Review &amp; Assessment</b>	<b>Review &amp; Assessment</b>	<b>Review &amp; Assessment</b>
7 <sup>th</sup> : Nov 25-29	<b>Thanksgiving Holiday</b>		
8 <sup>th</sup> : Dec 2-6 (5 days)	<b>weather and Air</b> Lesson 1: What is it like Outside? Lesson 2: Sunny Days Lesson 3: Windy Days	<ul style="list-style-type: none"> <li>TSW, observe and describe weather changes from day to day.</li> <li>observe and describe weather changes from season to season.</li> <li>identify evidence that air is all around.</li> <li>demonstrate how wind moves objects such as windsocks, pinwheels, and ribbons.</li> </ul>	<p><b>K.10B</b> observe and describe weather changes from day to day and over seasons</p> <p><b>K.10C</b> identify evidence that supports the idea that air is all around us and demonstrate that wind is moving air using items such as a windsock, pinwheel, or ribbon</p>
9 <sup>th</sup> : Dec 9-13 (5 days)	<b>weather and Air</b> Lesson 4: Clouds and Rain Rolling In Lesson 5: Let it Snow Lesson 6: The Year of the Backyard	<ul style="list-style-type: none"> <li>TSW, observe and describe weather changes from day to day.</li> <li>observe and describe weather changes from season to season.</li> <li>identify evidence that air is all around.</li> <li>demonstrate how wind moves objects such as windsocks, pinwheels, and ribbons.</li> </ul>	<p><b>K.10B</b> observe and describe weather changes from day to day and over seasons</p> <p><b>K.10C</b> identify evidence that supports the idea that air is all around us and demonstrate that wind is moving air using items such as a windsock, pinwheel, or ribbon</p>



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10th : Dec 16-20 (5 days)	TSW review and take a test over "Weather and Air"	TSW review and take a test over "Weather and Air"	K.10B K.10C
Dec 23- Jan 3	Winter Break		

3 <sup>rd</sup> Quarter (44 Days)			
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Week	Unit/Lesson	Learning Objectives	TEKS
1 <sup>st</sup> : Jan 6-10 (4 days)	<b>Rocks, Soil and Water</b> Lesson 1: Rock Hounds Lesson 2: How Big? What Shape? Monday: Professional Development	<ul style="list-style-type: none"> <li>I can describe and classify rocks based on their observable properties including size, shape, color, and texture.</li> <li>I can observe practical uses for rocks, soil, and water.</li> <li>I can generate examples of practical uses for rocks, soil, and water.</li> </ul>	<b>K.10A</b> describe and classify rocks by the observable properties of size, shape, color, and texture <b>K.11</b> observe and generate examples of practical uses for rocks, soil, and water
2 <sup>nd</sup> : Jan 13-17 (5 days)	<b>Rocks, Soil and Water</b> Lesson 3: Look and Feel Lesson 4: I Spy rock and Soil Uses	<ul style="list-style-type: none"> <li>I can describe and classify rocks based on their observable properties including size, shape, color, and texture.</li> <li>I can observe practical uses for rocks, soil, and water.</li> <li>I can generate examples of practical uses for rocks, soil, and water.</li> </ul>	<b>K.10A</b> describe and classify rocks by the observable properties of size, shape, color, and texture <b>K.11</b> observe and generate examples of practical uses for rocks, soil, and water
3 <sup>rd</sup> : Jan 20-24 (4 days)	<b>Rocks, Soil and Water</b> Lesson 5: Water Hounds Lesson 6: The Rocky Road to the Rock Monday: MLK Holiday	<ul style="list-style-type: none"> <li>I can describe and classify rocks based on their observable properties including size, shape, color, and texture.</li> <li>I can observe practical uses for rocks, soil, and water.</li> <li>I can generate examples of practical uses for rocks, soil, and water.</li> </ul>	<b>K.10A</b> describe and classify rocks by the observable properties of size, shape, color, and texture <b>K.11</b> observe and generate examples of practical uses for rocks, soil, and water
4 <sup>th</sup> : Jan 27-31	TSW Review and Test over	TSW Review and Test over	K.10A K.11



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Week	Unit/Lesson	Learning Objectives	TEKS
(5 days)	"Rocks, Soil and Water"	"Rocks, Soil and Water"	
5 <sup>th</sup> : Feb 3-7 (5 days)	<b>Basic Needs</b> Lesson 1: Walking Through Nature Lesson 2: Needs Versus Wants	<ul style="list-style-type: none"> <li>TSW, observe and identify the dependence of plants on air, sunlight, water, nutrients in the soil, and space in order to survive.</li> <li>observe and identify the dependence of animals on air, water, food, space, and shelter.</li> </ul>	<b>K.12A</b> observe and identify the dependence of plants on air, sunlight, water, nutrients in the soil, and space to grow  <b>K.12B</b> observe and identify the dependence of animals on air, water, food, space, and shelter
6 <sup>th</sup> : Feb 10-14 (4 days)	<b>Basic Needs</b> Lesson 3: Plants and Animal Needs Lesson 4: Plant and Animal Basic Needs  Friday: District Professional Development	<ul style="list-style-type: none"> <li>TSW, observe and identify the dependence of plants on air, sunlight, water, nutrients in the soil, and space in order to survive.</li> <li>observe and identify the dependence of animals on air, water, food, space, and shelter.</li> </ul>	<b>K.12A</b> observe and identify the dependence of plants on air, sunlight, water, nutrients in the soil, and space to grow <b>K.12B</b> observe and identify the dependence of animals on air, water, food, space, and shelter
7 <sup>th</sup> : Feb 17-21 (4 days)	<b>Basic Needs</b> Lesson 5: Plants and Animal Experts Lesson 6: Eli to the Rescue	<ul style="list-style-type: none"> <li>TSW, observe and identify the dependence of plants on air, sunlight, water, nutrients in the soil, and space in order to survive.</li> <li>observe and identify the dependence of animals on air, water, food, space, and shelter.</li> </ul>	<b>K.12A</b> observe and identify the dependence of plants on air, sunlight, water, nutrients in the soil, and space to grow <b>K.12B</b> observe and identify the dependence of animals on air, water, food, space, and shelter
8 <sup>th</sup> : Feb 24-28 (5 days)	<b>TSW Review and test over "Basic Needs"</b>	<b>TSW Review and test over "Basic Needs"</b>	<b>K.12A K.12B</b>



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Week	Unit/Lesson	Learning Objectives	TEKS
9 <sup>th</sup> : Mar 3-7 (5 days)	<b>Plant Life cycles</b> Lesson 1:A Plant Life Lesson 2:The Seeds of Life	<ul style="list-style-type: none"> <li>TSW, identify and record the changes from seed, seedling, plant, flower, and fruit in a simple plant life cycle.</li> <li>identify ways that a young plant resembles a parent plant.</li> </ul>	<b>K.13C</b> identify and record the changes from seed, seedling, plant, flower, and fruit in a simple plant life cycle <b>K.13D</b> identify ways that young plants resemble the parent plant
Spring Break March 10-14			

4 <sup>th</sup> Quarter (46 Days)			
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1 <sup>st</sup> : Mar 17- 21 (5 days)	<b>Plant Life Cycles</b> Lesson 3:Sweet Seedlings Lesson 4:The Cycle's Complete!	<ul style="list-style-type: none"> <li>TSW, identify and record the changes from seed, seedling, plant, flower, and fruit in a simple plant life cycle.</li> <li>identify ways that a young plant resembles a parent plant.</li> </ul>	<b>K.13C</b> identify and record the changes from seed, seedling, plant, flower, and fruit in a simple plant life cycle <b>K.13D</b> identify ways that young plants resemble the parent plant
<b>Ramadan Break Mar 24 - 31</b>			
2 <sup>nd</sup> : Apr 1-4 (4 days)	<b>Plant Life Cycle</b> Lesson 5:The Circle of Life Lesson 6:Eli's Thanksgiving Pie	<ul style="list-style-type: none"> <li>TSW, identify and record the changes from seed, seedling, plant, flower, and fruit in a simple plant life cycle.</li> <li>identify ways that a young plant resembles a parent plant.</li> </ul>	<b>K.13C</b> identify and record the changes from seed, seedling, plant, flower, and fruit in a simple plant life cycle <b>K.13D</b> identify ways that young plants resemble the parent plant
3 <sup>rd</sup> : April 7-11 (5 days)	<b>TSW Review and Test over" Plant Life Cycle"</b>	<b>TSW Review and Test over" Plant Life Cycle"</b>	<b>K.13C K.13D</b>



4 <sup>th</sup> Quarter (46 Days)			
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Week	Unit/Lesson	Learning Objectives	TEKS
<b>4th: April 14- 18</b> (5 days)	<b>Plant and Animal Structures</b> Lesson 1: Same Structure Different Animals Lesson 2: Seeing, moving, Hearing, Grasping	<ul style="list-style-type: none"> <li>TSW, identify the structures of plants including roots, stems, leaves, flowers, and fruits.</li> <li>identify the structures of animals that allow them to interact with their environments such as by seeing, hearing, moving, and grasping objects</li> </ul>	<p><b>K.13A</b> identify the structures of plants, including roots, stems, leaves, flowers, and fruits</p> <p><b>K.13B</b> identify the different structures that animals have that allow them to interact with their environment such as seeing, hearing, moving, and grasping objects</p>
<b>5th: Apr 21-25</b> (5 days)	<b>Plant and Animal Structures</b> Lesson 3: Grow, Plant Grow! Lesson 4: Growing Green	<ul style="list-style-type: none"> <li>TSW, identify the structures of plants including roots, stems, leaves, flowers, and fruits.</li> <li>identify the structures of animals that allow them to interact with their environments such as by seeing, hearing, moving, and grasping objects.</li> </ul>	<p><b>K.13A</b> identify the structures of plants, including roots, stems, leaves, flowers, and fruits</p> <p><b>K.13B</b> identify the different structures that animals have that allow them to interact with their environment such as seeing, hearing, moving, and grasping objects</p>
<b>6th: Apr 28 -May 2</b> (5 days)	<b>Plant and Animal Structures</b> Lesson 5: The Fruit of Life Lesson 6: Painting at The Garden Festival	<ul style="list-style-type: none"> <li>TSW, identify the structures of plants including roots, stems, leaves, flowers, and fruits.</li> <li>identify the structures of animals that allow them to interact with their environments such as by seeing, hearing, moving, and grasping objects.</li> </ul>	<p><b>K.13A</b> identify the structures of plants, including roots, stems, leaves, flowers, and fruits</p> <p><b>K.13B</b> identify the different structures that animals have that allow them to interact with their environment such as seeing, hearing, moving, and grasping objects</p>
<b>7th: May 5- 9</b> (5 days)	<b>MAP Testing and Review</b>	<b>MAP Testing and Review</b>	<b>MAP Testing and Review</b>
<b>8th: May 12- 16</b> (5 days)	<b>MAP Testing and Review</b>	<b>MAP Testing and Review</b>	<b>MAP Testing and Review</b>
<b>9th: May 19- 23</b> (5 days)	<b>Award Ceremonies / Graduation Ceremonies</b>		
<b>10th May 26-28</b>	<b>Graduation ceremonies &amp; staff working days</b>	N/A	N/A