



**1<sup>st</sup> Quarter (45 Days)**

<b>Resources:</b> Texas Science Fusion –Kindergarten (Houghton Mifflin, 2015)			
<b>Week</b>	<b>Unit</b>	<b>Lesson</b>	<b>Reporting Categories ( TEKS SEs)</b>
<b>1<sup>st</sup>: Aug 8-12</b> (5 days)	<b>Safety in science</b>	Safety in science	Get acclimated with classroom routines, procedures and policies to ensure safe and challenging learning environment.
<b>2<sup>nd</sup>: Aug 15-19</b> (5 days)	<b>Unit 1 Doing Science</b>	Lesson 1 Our Senses How do we use our senses?	<b>K.2D</b> Record and organize data and observations using pictures, numbers and words. <b>K.4B</b> Use senses as a tool of observation to identify properties and patterns of organism, objects and events in the environment.
<b>3<sup>rd</sup>: Aug 22-26</b> (5 days)	<b>Unit 1 Doing Science</b>	Lesson 2 Science Skills How do we use science skills?	<b>K.2A</b> Ask questions about organisms, objects and events observed in the natural world. <b>K.2D</b> Record and organize data and observations using pictures, numbers and words. <b>K.4A</b> Collect information using non standard measuring items such as paper clips etc.
<b>4<sup>th</sup>: Aug 29-Sept 2</b> (5 days)	<b>Unit 1 Doing Science</b>	Lesson 3 Science Tools How do we use science tools?	<b>K.2C</b> collect data and make observations using simple equipment such as hand lenses, primary balances, and non standard measurement tools <b>K.2D</b> Record and organize data and observations using pictures, numbers and words. <b>K.3C</b> Explore that scientist investigate different things in the natural world and use tools to help in their investigation. <b>K.4A</b> Collect information using tools, including hand lenses, primary balances, cups and weather instruments such as demonstration thermometers.
<b>5<sup>th</sup>: Sept 6-9</b> (4 days)	<b>Unit 2 Science and Technology</b>	Lesson 4 Solving Problems How do engineers solve problems?	<b>K.2D</b> Record and organize data and observations using pictures, numbers and words. <b>K.3A</b> Identify and explain a problem and propose a solution for it.
<b>6<sup>th</sup>: Sept 15-16</b> (2 days)	<b>Unit 2 Science and Technology</b>	Lesson 5 Design Process What is a design process?	<b>K.1C</b> Demonstrate how to use, conserve and dispose of natural resources and material such as conserving water and reusing or recycling paper, plastic and metal. <b>K.2D</b> Record and organize data and observations using pictures, numbers and words. <b>K.3A</b> Identify and explain a problem and propose a solution for it in his/her own words.
<b>7<sup>th</sup>: Sept 19-23</b> (5 days)	<b>Unit 2 Science and Technology</b>	Lesson 5 Design Process What is a design process?	<b>K.1C</b> Demonstrate how to use, conserve and dispose of natural resources and material such as conserving water and reusing or recycling paper, plastic and metal. <b>K.2D</b> Record and organize data and observations using pictures, numbers and words. <b>K.3A</b> Identify and explain a problem and propose a solution for it in his/her own words
<b>8<sup>th</sup>: Sept 26-30</b> (5 days)	<b>Unit 3 Matter</b>	Lesson 6 Matter How do we describe and sort matter?	<b>K.2D</b> Record and organize data and observations using pictures, numbers and words <b>K.5 A</b> Observe and record properties and patterns of objects ☑☑Color, size, shape, or texture of objects,
<b>9<sup>th</sup>: Oct 3-7</b> (5 days)	<b>Unit 3 Matter</b>	Lesson 7 Heating and Cooling Matter How can heating and cooling change matter?	<b>K.4B</b> Use senses as a tool of observation to identify properties and patterns of organism, objects and events in the environment. <b>K.5B</b> Observe, record and discuss how materials can be changed by heating or cooling.



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<b>Week</b>	<b>Unit</b>	<b>Lesson</b>	<b>Reporting Categories ( TEKS SEs)</b>
<b>10<sup>th</sup>: Oct 10-14</b> (5 days)	<b>Unit 3 Matter</b>	Review Units 1, 2 and 3	Review

**2nd Quarter (39 Days)**

<b>Resources:</b> Texas Science Fusion –Kindergarten (Houghton Mifflin, 2015)			
<b>Week</b>	<b>Unit</b>	<b>Lesson</b>	<b>Reporting Categories ( TEKS SEs)</b>
<b>1<sup>st</sup>: Oct 17-21</b> (5 days)	<b>Unit 4 Energy</b>	Lesson 8 Light What is light?	<b>K.2D</b> Record and organize data and observations using pictures, numbers and words <b>K.6A</b> Use the 5 senses to explore different forms of energy such as light, heat and sound.
<b>2<sup>nd</sup>: Oct 24-28</b> (5 days)	<b>Unit 4 Energy</b>	Lesson 9 Heat What is heat?	<b>K.2D</b> Record and organize data and observations using pictures, numbers and words <b>K.6A</b> Use the 5 senses to explore different forms of energy such as light, heat and sound.
<b>3<sup>rd</sup>: Oct 31- Nov 4</b> (5 days)	<b>Unit 4 Energy</b>	Lesson 10 Sound What is sound?	<b>K.2D</b> Record and organize data and observations using pictures, numbers and words. <b>K.6A</b> Use the 5 senses to explore different forms of energy such as light, heat and sound.
<b>4<sup>th</sup>: Nov 7-11</b> (5 days)	<b>Unit 4 Energy</b>	Review Light, Heat & Sound	Review
<b>5<sup>th</sup>: Nov 14-18</b> (5 days)	<b>Unit 5 Motion</b>	Lesson 11 Magnet Which objects do magnets attract?	<b>K.2B</b> Record and organize data and observations using pictures, numbers and words <b>K.4A</b> Collect information using tools, including magnets. <b>K.6B</b> Explore interactions between magnets and various materials.
<b>6<sup>th</sup>: Nov 28- Dec 2</b> (5 days)	<b>Unit 5 Motion</b>	Lesson 12 Where Things Are How do we describe location?	<b>K.2D</b> Record and organize data and observations using pictures, numbers and words. <b>K.6C</b> Observe and describe the location of an object in relation to another such as above, below, behind, in front of and beside.
<b>7<sup>th</sup>: Dec 5-9</b> (5 days)	<b>Unit 5 Motion</b>	Lesson 13 How Things Move How do things move?	<b>K.2B</b> Plan and conduct simple descriptive investigations such as ways objects move. <b>K.6D</b> Observe and describe the ways that objects can move such as in a straight line, zigzag, up and down, back and forth, round and round & fast and slow.
<b>8<sup>th</sup>: Dec 12-16</b> (5 days)	<b>Unit 5 Motion</b>	Using Magnets S.T.E.M. Engineering and Technology	<b>K.3A</b> Identify and explain a problem and propose a solution for it in his/her own words. <b>K.4A</b> Collect information using tools, including magnets. <b>K.6B</b> Explore interactions between magnets and various materials.



**3rd Quarter (46 Days)**

**Resources:**

Texas Science Fusion –Kindergarten (Houghton Mifflin, 2015)

Week	Unit	Lesson	Reporting Categories ( TEKS SEs)
1 <sup>st</sup> : Jan 3-6 (4 days)	Unit 6 Earth's Resources	Lesson 14 Rocks What are rocks?	<b>K.2D</b> Record and organize data and observations using pictures, numbers and words. <b>K.7A</b> Observe, describe, compare and sort rocks by size, shape, color and texture.
2 <sup>nd</sup> : Jan 9-13 (5 days)	Unit 6 Earth's Resources	Lesson 15 Water What is water?	<b>K.2D</b> Record and organize data and observations using pictures, numbers and words. <b>K.7B</b> Observe and describe the physical properties of natural sources of water, including color and clarity.
3 <sup>rd</sup> : Jan 17-19 (3 days)	Unit 6 Earth's Resources	Lesson 16 Natural Resources How do we use and conserve natural resources?	<b>K.1C</b> Demonstrate how to use, conserve and dispose of natural resources and materials such as conserving water and reusing or recycling paper, plastic and metal. <b>K.2D</b> Record and organize data and observations using pictures, numbers and words. <b>K.7C</b> Give example of ways rock, soil, and water are useful.
4 <sup>th</sup> : Jan 23-27 (5 days)	Unit 6 Earth's Resources	Review Unit 6	Review and assessment
5 <sup>th</sup> : Jan 30-Feb 3 (5 days)	Unit 7 Weather & Seasons	Lesson 17 Weather What is weather?	<b>K.2D</b> Record and organize data and observations using pictures, numbers and words. <b>K.8A</b> Observe and describe weather changes from day to day.
6 <sup>th</sup> : Feb 6-10 (5 days)	Unit 7 Weather & Seasons	Lesson 18 Measuring Weather How can we measure weather?	<b>K.2D</b> Record and organize data and observations using pictures, numbers and words. <b>K.4A</b> Collect information using weather instruments such as demonstration thermometer and wind socks.
7 <sup>th</sup> : Feb 13-17 (5 days)	Unit 8 Day & Night	Lesson 19 Seasons What are seasons?	<b>K.2D</b> Record and organize data and observations using pictures, numbers and words. <b>K.3B</b> Make predictions based on observable patterns in nature such as the shapes of leaves. <b>K.8A</b> Observe and describe weather changes from day to day. <b>K.8B</b> Identify events that have repeating patterns, including seasons of the year and day and night.
8 <sup>th</sup> : Feb 21-24 (4 days)	Unit 8 Day & Night	Lesson 20 Day Sky What is in the day sky?	<b>K.2D</b> Record and organize data and observations using pictures, numbers and words. <b>K.8C</b> Observe, describe and illustrate objects in the sky such as clouds, moon and stars including the Sun.
9 <sup>th</sup> : Feb 27- Mar 3 (5 days)	Unit 8 Day & Night	Lesson 21 Night Sky What is in the night sky?	<b>K.2D</b> Record and organize data and observations using pictures, numbers and words. <b>K.3B</b> Make predictions based on observable patterns in nature. <b>K.8B</b> Identify events that have repeating patterns, including seasons of the year and day and night. <b>K.8C</b> Observe, describe and illustrate objects in the sky such as clouds, moon and stars including the Sun.



**3rd Quarter (46 Days)**

<b>Resources:</b> Texas Science Fusion –Kindergarten (Houghton Mifflin, 2015)			
<b>Week</b>	<b>Unit</b>	<b>Lesson</b>	<b>Reporting Categories ( TEKS SEs)</b>
<b>10<sup>th</sup>: Mar 6-10</b> (5 days)	<b>Unit 8</b> <b>Day &amp; Night</b>	Recycling Paper S.T.E.M Engineering and Technology	<b>K.1C</b> Demonstrate how to use, conserve and dispose of natural resources and materials such as conserving water and reusing or recycling paper, plastic and metal. <b>K.3A</b> Identify and explain a problem such as the impact of littering on the playground and propose a solution for it in his/her own words.

**4th Quarter (48 Days)**

<b>Resources:</b> Texas Science Fusion –Kindergarten (Houghton Mifflin, 2015)			
<b>Week</b>	<b>Unit</b>	<b>Lesson</b>	<b>Reporting Categories ( TEKS SEs)</b>
<b>1<sup>st</sup>: Mar 20-24</b> (5 days)	<b>Unit 9</b> <b>Animals</b>	Lesson 22 Living and Non Living What are living things?	<b>K.2D</b> Record and organize data and observations using pictures, numbers and words. <b>K.9A</b> Differentiate between living and non living things based upon whether they have basic needs and produce offspring. <b>K.9B</b> Examine evidence that living things have basic needs. <b>K.10C</b> Identify ways that young plants resemble the parent plant.
<b>2<sup>nd</sup>: Mar 27-31</b> (5 days)	<b>Unit 9</b> <b>Animals</b>	Lesson 23 Many Animals What are animals like?	<b>K.2D</b> Record and organize data and observations using pictures, numbers and words. <b>K.10A</b> Sort animals into groups based on physical characteristics such as color, size, body covering, or leaf shape. <b>K.10B</b> Identify parts of animals such as eyes, head, limbs etc.
<b>3<sup>rd</sup>: Apr 3-7</b> (5 days)	<b>Unit 9</b> <b>Animals</b>	Lesson 24 What Animals Need What do animals need?	<b>K.2D</b> Record and organize data and observations using pictures, numbers and words. <b>K.9B</b> Examine evidence that living things have basic needs such as food, water and shelter for animals.
<b>4<sup>th</sup>: Apr 10-14</b> (5 days)	<b>Unit 9</b> <b>Animals</b>	Review Unit 9	Review and assessment
<b>5<sup>th</sup>: April 18-22</b> (5 days)	<b>Unit 10</b> <b>Plants</b>	Lesson 25 Plants With Leaves What are plant leaves like?	<b>K.2D</b> Record and organize data and observations using pictures, numbers and words. <b>K.4B</b> Use senses as a tool of observation to identify properties and patterns of organism, objects and events in the environment. <b>K.10A</b> Sort plants into groups based on physical characteristics such as leaves. <b>K.10B</b> Identify parts of plants such as leaves, stem, roots etc.
<b>6<sup>th</sup>: Apr 24- 28</b> (5 days)	<b>Unit 10</b> <b>Plants</b>	Lesson 26 What Plants Need What do plants need?	<b>K.2D</b> Record and organize data and observations using pictures, numbers and words. <b>K.9B</b> Examine evidence that living organisms have basic needs such as air, water, sunlight, nutrients and space for plants.
<b>7<sup>th</sup>: May 1-5</b>	<b>Unit 10</b>	Lesson 27 Plant Parts	<b>K.2D</b> Record and organize data and observations using pictures, numbers and words.



4th Quarter (48 Days)

<b>Resources:</b> Texas Science Fusion –Kindergarten (Houghton Mifflin, 2015)			
<b>Week</b>	<b>Unit</b>	<b>Lesson</b>	<b>Reporting Categories ( TEKS SEs)</b>
(5 days)	<b>Plants</b>	What are some plant parts?	<b>K.10B</b> Identify parts of plants such as leaves, stem, roots etc.
<b>8<sup>th</sup>: May 8-12</b> (5 days)	<b>Unit 10 Plants</b>	Lesson 28 Plants Grow and Change How do plants grow and change?	<b>K.2D</b> Record and organize data and observations using pictures, numbers and words. <b>K.10C</b> Identify ways that young plants resemble the parent plant. <b>K.10D</b> Observe changes that are a part of a simple life cycle of a plant: seed, seedling, plant, flower and fruit.
<b>9<sup>th</sup>: May 15-19</b> (5 days)	<b>Unit 10 Plants</b>	Aquarium Design S.T.E.M. Engineering and Technology	<b>K.1C</b> Demonstrate how to use natural resources. <b>K.4A</b> Collect information using materials to support observations of habitats of organisms such as terrariums and aquariums. <b>K.9B</b> Examine evidence that living organisms have basic needs such as food, water and shelter for animals and air, water, sunlight, nutrients and space for plants.
<b>10<sup>th</sup>: May 22-24</b> (3 days)	<b>Review</b>	Review	Review and assessment