



1st Quarter (43 Days)

Resources:

Fusion Science (Pearson, 2017)

Week	Unit/Lesson	Learning Objectives	Reporting Categories (TEKS SEs)
1 st : Aug 14-18 (5 days)	Safety in science	Safety in science	Get acclimated with classroom routines, procedures and policies to ensure safe and challenging learning environment.
2 nd : Aug 21-25 (5 days)	Unit 1 Doing Science	Lesson 1 Our Senses How do we use our senses?	K.2D Record and organize data and observations using pictures, numbers and words. K.4B Use senses as a tool of observation to identify properties and patterns of organism, objects and events in the environment.
3 rd : Aug 28-31 (4 days)	Unit 1 Doing Science	Lesson 2 Science Skills How do we use science skills?	K.2A Ask questions about organisms, objects and events observed in the natural world. K.2D Record and organize data and observations using pictures, numbers and words. K.4A Collect information using non standard measuring items such as paper clips etc.
4 th : Sept 5-8 (4 days)	Unit 1 Doing Science	Lesson 3 Science Tools How do we use science tools?	K.2C collect data and make observations using simple equipment such as hand lenses, primary balances, and non standard measurement tools K.2D Record and organize data and observations using pictures, numbers and words. K.3C Explore that scientist investigate different things in the natural world and use tools to help in their investigation. K.4A Collect information using tools, including hand lenses, primary balances, cups and weather instruments such as demonstration thermometers.
5 th : Sept 11-15 (5 days)	Unit 2 Science and Technology	Lesson 4 Solving Problems How do engineers solve problems?	K.2D Record and organize data and observations using pictures, numbers and words. K.3A Identify and explain a problem and propose a solution for it.
6 th : Sept 18-22 (5 days)	Unit 2 Science and Technology	Lesson 5 Design Process What is a design process?	K.1C Demonstrate how to use, conserve and dispose of natural resources and material such as conserving water and reusing or recycling paper, plastic and metal. K.2D Record and organize data and observations using pictures, numbers and words. K.3A Identify and explain a problem and propose a solution for it in his/her own words.
7 th : Sept 25-29 (5 days)	Unit 3 Matter	Lesson 6 Matter How do we describe and sort matter?	K.2D Record and organize data and observations using pictures, numbers and words K.5 A Observe and record properties and patterns of objects Color, size, shape, or texture of objects,
8 th : Oct 2-6 (5 days)	Unit 3 Matter	1st Benchmark Lesson 7 Heating and Cooling Matter How can heating and cooling change matter?	K.4B Use senses as a tool of observation to identify properties and patterns of organism, objects and events in the environment. K.5B Observe, record and discuss how materials can be changed by heating or cooling
9 th : Oct 9-13 (5 days)	Unit 3 Matter	Review Units 1, 2 and 3	Review



2nd Quarter (43 Days)			
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Week	Unit/Lesson	Learning Objectives	Reporting Categories (TEKS SEs)
1 st : Oct 16-19 (4 days)	Unit 4 Energy	Lesson 8 Light What is light?	K.2D Record and organize data and observations using pictures, numbers and words K.6A Use the 5 senses to explore different forms of energy such as light, heat and sound
2 nd : Oct 23-27 (5 days)	Unit 4 Energy	Lesson 9 Heat What is heat?	K.2D Record and organize data and observations using pictures, numbers and words K.6A Use the 5 senses to explore different forms of energy such as light, heat and sound.
3 rd : Oct 31- Nov 3 (4 days)	Unit 4 Energy	Lesson 10 Sound What is sound?	K.2D Record and organize data and observations using pictures, numbers and words. K.6A Use the 5 senses to explore different forms of energy such as light, heat and sound
4 th : Nov 6-10 (5 days)	Unit 4 Energy	Review Light, Heat & Sound	Review
5 th : Nov 13-17 (5 days)	Unit 5 Motion	Lesson 11 Magnet Which objects do magnets attract?	K.2B Record and organize data and observations using pictures, numbers and words K.4A Collect information using tools, including magnets. K.6B Explore interactions between magnets and various materials.
6 th : Nov 27- Dec 1 (5 days)	Unit 5 Motion	Lesson 12 Where Things Are How do we describe location?	K.2D Record and organize data and observations using pictures, numbers and words. K.6C Observe and describe the location of an object in relation to another such as above, below, behind, in front of and beside.
7 th : Dec 4-8 (5 days)	Unit 5 Motion	Lesson 13 How Things Move How do things move?	K.2B Plan and conduct simple descriptive investigations such as ways objects move. K.6D 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.
8 th : Dec 11-15 (5 days)	Unit 5 Motion	2nd Benchmark Using Magnets S.T.E.A.M. Engineering and Technology	K.3A Identify and explain a problem and propose a solution for it in his/her own words. K.4A Collect information using tools, including magnets. K.6B Explore interactions between magnets and various materials.
9 th : Dec 18-22 (5 days)	Unit 5 Motion	Review Units 4 and 5	Review



3rd Quarter (42 Days)			
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Week	Unit/Lesson	Learning Objectives	Reporting Categories (TEKS SEs)
1st: Jan 8-12 (5 days)	Unit 6 Earth's Resources	Lesson 14 Rocks What are rocks?	K.2D Record and organize data and observations using pictures, numbers and words. K.7A Observe, describe, compare and sort rocks by size, shape, color and texture.
2nd : Jan 16-18 (3 days)	Unit 6 Earth's Resources	Lesson 15 Water What is water?	K.2D Record and organize data and observations using pictures, numbers and words. K.7B Observe and describe the physical properties of natural sources of water, including color and clarity.
3rd : Jan 22-26 (5 days)	Unit 6 Earth's Resources	Lesson 16 Natural Resources How do we use and conserve natural resources?	K.1C Demonstrate how to use, conserve and dispose of natural resources and materials such as conserving water and reusing or recycling paper, plastic and metal. K.2D Record and organize data and observations using pictures, numbers and words. K.7C Give example of ways rock, soil, and water are useful.
4th: Jan 29-Feb 2 (5 days)	Unit 6 Earth's Resources	Review Unit 6	Review and assessment
5th: Feb 5-9 (5 days)	Unit 7 Weather & Seasons	Lesson 17 Weather What is weather?	K.2D Record and organize data and observations using pictures, numbers and words. K.8A Observe and describe weather changes from day to day.
6th: Feb 12-16 (5 days)	Unit 7 Weather & Seasons	Lesson 18 Measuring Weather How can we measure weather?	K.2D Record and organize data and observations using pictures, numbers and words. K.4A Collect information using weather instruments such as demonstration thermometer and wind socks.
7th : Feb 20-23 (4 days)	Unit 8 Day & Night	Lesson 19 Seasons What are seasons?	K.2D Record and organize data and observations using pictures, numbers and words. K.3B Make predictions based on observable patterns in nature such as the shapes of leaves. K.8A Observe and describe weather changes from day to day. K.8B Identify events that have repeating patterns, including seasons of the year and day and night
8th: Feb 26- Mar 2 (5 days)	Unit 8 Day & Night	3rd Benchmark Lesson 20 Day Sky What is in the day sky? Lesson 21 Night Sky What is in the night sky?	K.2D Record and organize data and observations using pictures, numbers and words. K.8C Observe, describe and illustrate objects in the sky such as clouds, moon and stars including the Sun. K.2D Record and organize data and observations using pictures, numbers and words. K.3B Make predictions based on observable patterns in nature. K.8B Identify events that have repeating patterns, including seasons of the year and day and night. K.8C Observe, describe and illustrate objects in the sky such as clouds, moon and stars including the Sun.
9th: Mar 5-9 (5 days)	Unit 8 Day & Night	Recycling Paper S.T.E.M Engineering and Technology	K.1C Demonstrate how to use, conserve and dispose of natural resources and materials such as conserving water and reusing or recycling paper, plastic and metal. K.3A 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)

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Week	Unit/Lesson	Learning Objectives	Reporting Categories (TEKS SEs)
1 st : Mar 19-23 (5 days)	Unit 9 Animals	Lesson 22 Living and Non Living What are living things?	K.2D Record and organize data and observations using pictures, numbers and words. K.9A Differentiate between living and non living things based upon whether they have basic needs and produce offspring. K.9B Examine evidence that living things have basic needs. K.10C Identify ways that young plants resemble the parent plant
2 nd : Mar 26-30 (5 days)	Unit 9 Animals	Lesson 23 Many Animals What are animals like?	K.2D Record and organize data and observations using pictures, numbers and words. K.10A Sort animals into groups based on physical characteristics such as color, size, body covering, or leaf shape. K.10B Identify parts of animals such as eyes, limbs etc
3 rd : Apr 2-6 (5 days)	Unit 9 Animals	Lesson 24 What Animals Need What do animals need?	K.2D Record and organize data and observations using pictures, numbers and words. K.9B Examine evidence that living things have basic needs such as food, water and shelter for animals.
4 th : Apr 9-13 (5 days)	Unit 9 Animals	Review Unit 9	Review and assessment
5 th : April 16-19 (4 days)	Unit 10 Plants	IOWA/ ITBS Complete Battery K-2 Lesson 25 Plants with Leaves What are plant leaves like?	K.2D Record and organize data and observations using pictures, numbers and words. K.4B Use senses as a tool of observation to identify properties and patterns of organism, objects and events in the environment. K.10A Sort plants into groups based on physical characteristics such as leaves. K.10B Identify parts of plants such as leaves, stem, roots etc.
6 th : Apr 23- 27 (5 days)	Unit 10 Plants	Lesson 26 What Plants Need What do plants need?	K.2D Record and organize data and observations using pictures, numbers and words. K.9B Examine evidence that living organisms have basic needs such as air, water, sunlight, nutrients and space for plants.
7 th : Apr 30- May 4 (5 days)	Unit 10 Plants	Lesson 27 Plant Parts What are some plant parts?	K.2D Record and organize data and observations using pictures, numbers and words. K.10B Identify parts of plants such as leaves, stem, roots etc.
8 th : May 7-11 (5 days)	Unit 10 Plants	Lesson 28 Plants Grow and Change How do plants grow and change?	K.2D Record and organize data and observations using pictures, numbers and words. K.10C Identify ways that young plants resemble the parent plant. K.10D Observe changes that are a part of a simple life cycle of a plant: seed, seedling, plant, flower and fruit.
9 th : May 14-18 (5 days)	Unit 10 Plants	Final Benchmark Aquarium Design S.T.E.M. Engineering and Technology	K.1C Demonstrate how to use natural resources. K.4A Collect information using materials to support observations of habitats of organisms such as terrariums and aquariums. K.9B 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.
10 th : May 21-24	Review	Review	Review and assessment