

Garriga and Derry Elementary
Science/Kinder
Science Curriculum Map 2016-2017

(This timeline is subject to change in order to meet the needs of students.)

Week	Dates	Topic(s)/Student Expectation (SE)/Focus Skill	Student Expectation (SE)/Scientific Investigation and Reasoning Skills
1	8/22-8/26 First day of the 1 st quarter	<p>Unit 1 Doing Science, Lesson 3 Science tools, How do we use science tools</p> <p>Scientific investigation and reasoning K1 The student conducts classroom and outdoor investigations following home and school safety procedures 1a identify and demonstrate safe practices K2 develops abilities to ask question and seek answers 2c collect data and make observations using simple equipment, 2d record and organize data using pictures numbers and words 2e communicate observation with others K3 that information and critical thinking are used in scientific process 3c explore that scientists investigate different things in the natural world</p>	1a identify and demonstrate safe practices 2c collect data and make observations using simple equipment, 2d record and organize data using pictures numbers and words ,2e communicate observation with others ,3c explore that scientists investigate different things in the natural world ,
2	8/29-9/2	<p>Lesson 2 Science skills, How do we use science skills</p> <p>Scientific investigation and reasoning K2 develops abilities to ask question and seek answers 2a ask questions about organisms objects and events observed in the natural world 2d record and organize data using pictures numbers and words 2e communicate observation with others K4 uses age appropriate tools and models to investigate the natural world 4a collect information using tools, 4b using the senses as a tool</p>	2a ask questions about organisms objects and events observed in the natural world 2d record and organize data using pictures numbers and words 2e communicate observation with others 4a collect information using tools, 4b using the senses as a tool
3	9/5 Labor Day 9/6-9/9	<p>Lesson 1 Our senses, How do we use our senses</p> <p>Scientific investigation and reasoning K2 develops abilities to ask question and seek answers 2d record and organize data using pictures numbers and words K4 uses age appropriate tools and models to investigate the natural world 4b using the senses as a tool</p>	2d record and organize data using pictures numbers and words , 4b using the senses as a tool

4	9/12-9/16	<p>Unit 2 Science and technology, Lesson 4, Solving problems, How do engineers solve problems Scientific investigation and reasoning K2 develops abilities to ask question and seek answers 2d record and organize data using pictures numbers and words K3 that information and critical thinking are used in scientific process 3a identify and explain a problem explain that people find solutions to problems, identify engineers as people who solve problems</p>	3a identify and explain a problem explain that people find solutions to problems, identify engineers as people who solve problems
5	9/19-9/23	<p>Lesson 5 Design Process, What is the design process Scientific investigation and reasoning K1 The student conducts classroom and outdoor investigations following home and school safety procedures 1a identify and demonstrate safe practices K2 develops abilities to ask question and seek answers 2b Identify the steps in a design process plan and conduct simple descriptive investigations K3 that information and critical thinking are used in scientific process 3a identify and explain a problem explain that people find solutions to problems</p>	2b Identify the steps in a design process plan and conduct simple descriptive investigations
6	9/26-9/30	<p>Unit 9 Animals, Lesson 22 Living /Non Living, What are living Organisms and Environment K9 plants and animals have basic needs and depend on living and nonliving things around them for survival 9a differentiate between living and non 9b examine evidence that living organisms have basic needs K10 organisms resemble their parents 10c identify ways young plants look like their parents</p>	2d record and organize data using pictures numbers and words 2e communicate observation with others,
7	10/3-10/7 TPRI	<p>Lesson 23 Many animals, What are animals like Organisms and Environment K10 organisms resemble their parents 10a sort plants and animals into groups 10b identify parts of plants and animals</p>	2d record and organize data using pictures numbers and words
8	10/10 Staff Development 10/10 Columbus Day 10/11-10/14	<p>Lesson 24 What animals need, What do animals need Organisms and Environment K10 organisms resemble their parents 10a sort plants and animals into groups 10b identify parts of plants and animals</p>	1a identify and demonstrate safe practices 2d record and organize data using pictures numbers and words 2e communicate observations 4a collect information using tools

	<i>Last day of 1st Quarter TPRI</i>		
9	10/17-10/21 First day of 2 nd quarter	Lesson 24 What animals need , What do animals need Organisms and Environment K10 organisms resemble their parents 10a sort plants and animals into groups 10b identify parts of plants and animals	1a identify and demonstrate safe practices 2d record and organize data using pictures numbers and words 2e communicate observations 4a collect information using tools
10	10/24-10/28	Unit 7 Weather and seasons Lesson 17 Weather , What is weather Earth and Space K8 know recognizable patterns in the natural world 8a observe and describe weather changes	2a ask questions about organisms 2d record and organize data using pictures numbers and words 2e communicate observation with others,
11	10/31-11/4	Lesson 18 measuring weather , How can we measure weather Scientific investigation and reasoning K2 develops abilities to ask question and seek answers 2d record and organize data using pictures numbers and words K4 use age appropriate tools to investigate the natural world 4a collect information using tools K8 know recognizable patterns in the natural world , 8a observe and describe weather changes	2d record and organize data using pictures numbers and words 4a collect information using tools
12	11/7-11/11	Lesson 19 Seasons , What are the seasons, Earth and Space K8 know recognizable patterns in the natural world patterns 8a observe and describe weather 8b identify events that have repeating patterns	2d record and organize data using pictures numbers and words 3b make predictions based on observable
13	11/14-11/18	Unit 8 Day and night, Lesson 20, Day sky , What is in the day sky, Earth and Space K8 know recognizable patterns in the natural world 8c observe describe and illustrate objects in the sky	2d record and organize data using pictures numbers and words 4b use senses as a tool
	11/21-11/25 <i>Thanksgiving Break</i>	Thanksgiving Break!!	
14	11/28-12/2	Lesson 21 Night sky , What is in the night sky, Earth and Space K8 know recognizable patterns in the natural world 8b identify events that have repeating patterns 8c observe describe and illustrate objects in the sky	2d record and organize data using pictures numbers and words 3b make predictions based on observable patterns 4b use senses as a tool

15	12/5-12/9	Unit 8 STEM Engineering and technology recycling paper Scientific investigation and reasoning K2 develops abilities to ask question and seek answers 2d record and organize data using pictures numbers and words K3 information and critical thinking are used in the scientific problem solving 3b make predictions based on observable K4 uses age appropriate tools and models to investigate the natural world 4a collect information using tools	Doing science, using the design process, Earth science, Natural Resources pg 260 2d record and organize data using pictures numbers and words
116/17	12/12-12/20 <i>Last day of 2nd Quarter End of the 1st semester</i>	Unit 6 Earth's Resources Lesson 14 Rocks , What are rocks, Matter and Energy K5 objects have properties and patterns 5a observe and record properties of matter Earth and Space K7 natural world includes earth materials 7a observe describe compare rocks	2c collect data make observations 2d record and organize data using pictures numbers and words 2e communicate observations with others 4a collect information using tools 4b use senses as a tool
	12/21-12/23 <i>Christmas Break</i>	Christmas Break	
	12/26-1/6 <i>Christmas Break</i>	Christmas Break	
18	1/9-1/13	Lesson 15 Water, What is water Earth and Space K7 natural world includes earth materials 7b observe and describe physical properties of natural sources	2d record and organize data using pictures numbers and words
19	1/16-1/20 TPRI	Lesson 16 Natural Resources , What are natural resources Earth and Space K7 natural world includes earth materials 7c give examples of ways rocks soil and water are useful	1c demonstrate how to use natural resources 2d record and organize data using pictures numbers and words 2e communicate observations with others
20	1/23-1/27 TPRI	Unit 10 Plants Lesson 25 Plants with leaves What are plants with leaves like Organisms and Environment K10 organisms resemble their parents 10a sort plants and animals into groups 10 b identify parts of plants and animals	2d record and organize data using pictures numbers and words 3b make predictions based on observable patterns 4b use senses as a tool

21	1/30-2/3	<p>Lesson 26 What plants need, What do plants need Organisms and Environment K9 plants and animals have basic needs and depend on living and nonliving things around them for survival 9a differentiate between living and non 9b examine evidence that living organisms have basic needs</p>	2d record and organize data using pictures numbers and words 4b use senses as a tool
22	2/6-2/10	<p>Lesson 27 Plant Parts, What are some plant parts, Organisms and Environment K10 organisms resemble their parents 10b identify parts of the plant 10c identify ways young plants resemble parents 10d observe changes of a simple life cycle</p>	2a ask questions about organisms 2b plan and conduct simple investigations 2d record and organize data 2e communicate findings with others
23	2/13-2/17 2/15-2/16 simulated assessment	<p>Lesson 28 Plants grow and change, How do plants grow and change Organisms and Environment K10 organisms resemble their parents 10c identify ways young plants resemble parents 10d observe changes of a simple life cycle</p>	2a ask questions about organisms 2d record and organize data
24	2/20-2/24	<p>Unit 10 STEMS Doing science, using the design process, life science animals environments and ecosystems Organisms and Environment Scientific investigation and reasoning K2 develops abilities to ask question and seek answers 2d record and organize data using pictures numbers and words K3 information and critical thinking are used in the scientific problem solving 3b make predictions based on observable patterns</p>	2d record and organize data using pictures numbers and words
25	2/27-3/3 2/28-3/1 simulated assessment	<p>Unit 3 Matter Lesson 6 Matter, How do we describe and sort matter Matter and Energy K5 objects have properties and patterns 5a observe and record properties of objects</p>	2d record and organize data 4b use senses as a tool

26	3/6-3/10 3/6-4/5 TELPAS WINDOW <i>Last day of 3rd Quarter</i>	Lesson 7 Heating and cooling , How can heating and cooling change matter Matter and Energy K5 objects have properties and patterns K6 energy forces and motions are related 5b observe record and discuss how properties can change by adding heat/cool 6a use the senses to explore different forms of energy	1a identify and demonstrate safety practices 1b discuss the importance of safety practices 2d record and organize data 3a identify and explain a problem 4b use senses as a tool
	3/13-3/17	Spring Break	
27	3/21-3/24 <i>Start of 4th quarter</i>	Unit 4 Energy Lesson 8 light What is light Force Motion and Energy K6 energy forces and motions are related 6a use the senses to explore different forms of energy	2d record and organize data 2e communicate findings with others 4b use senses as a tool
28	3/27-3/31 3/28-3/29 STAAR	Lesson 9 Heat What is heat Force Motion and Energy K6 energy forces and motions are related 6a use the senses to explore different forms of energy	1a identify and demonstrate safety practices 1b discuss the importance of safety practices 2b plan and conduct simple investigations 2d record and organize data
29	4/3-4/7	Lesson 9 Heat What is heat Force Motion and Energy K6 energy forces and motions are related 6a use the senses to explore different forms of energy	1a identify and demonstrate safety practices 1b discuss the importance of safety practices 2b plan and conduct simple investigations 2d record and organize data
30	4/10-4/13 4/14 Good Friday	Lesson 10 Sound What is sound Force Motion and Energy K6 energy forces and motions are related 6a use the senses to explore different forms of energy	2d record and organize data 4b use senses as a tool

31	4/17 Easter Monday Vacation 4/18-4/21 TPRI	Unit 5 Motion Lesson 11 Magnets Which objects do magnets attract Force Motion and Energy K6 energy forces and motions are related 6b explain interactions between magnets	2b plan and conduct simple investigations 2d record and organize data 4a collect information using tools 4b use senses as a tool
32	4/24-4/28 TPRI	Lesson 12 Where Things are How do we describe location Force Motion and Energy K6 energy forces and motions are related 6c observe and describe the location of an object	2d record and organize data
33	5/1-5/5	Lesson 12 Where Things are How do we describe location Force Motion and Energy K6 energy forces and motions are related 6c observe and describe the location of an object	2d record and organize data
34	5/8-5/12 5/8-5/10 STAAR	Lesson 13 How things move How do things move Force Motion and Energy K6 energy forces and motions are related 6d observe describe the ways objects move	2b plan and conduct simple investigations 2d record and organize data
35	5/15-5/18 End of the 4 th quarter End of the 2 nd semester 5/19 Teachers workday	Create Memory Book Scientific investigation and reasoning K2 develops abilities to ask question and seek answers 2d record and organize data 2e communicate with others K6 energy forces and motions are related 6c observe and describe the location of an object	2b plan and conduct simple investigations 2d record and organize data

