



## 1<sup>st</sup> Grade Science Teaching & Learning Framework

Quarter 1		Quarter 2		Quarter 3		Quarter 4		
Unit 1 4 Weeks	Unit 2 4 weeks	Weather and Seasons	Unit 3 4 weeks	Unit 4 4 weeks	Weather and Seasons	Unit 5 6 weeks	Weather and Seasons	Unit 6 6 weeks
Weather and Seasons	Magnets		Light	Sound		Animals		Plants
S1E1. Obtain, evaluate, & communicate weather data to identify weather patterns. a. Represent data in tables &/or graphs to identify & describe different types of weather & characteristics of each type. b. Ask questions to identify forms of precipitation such as rain, snow, sleet & hailstones as either solid (ice) or liquid (water). c. Investigate current weather conditions by observing, measuring with simple weather instruments, and recording weather data (temperature, precipitation, sky conditions, and weather events) in a periodic journal or on a calendar seasonally & graphically. d. Analyze data to identify seasonal patterns of change.	S1P2. Obtain, evaluate, & communicate information to demonstrate the effects of magnets on other magnets & other objects.  a. Construct an explanation of how magnets are used in everyday life. (Clarification statement: Everyday life uses could include refrigerator magnets, toys, magnetic latches, and name tags.)  b. Plan and carry out an investigation to demonstrate how magnets attract and repel each other and the effect of magnets on common objects		S1P1. Obtain, evaluate, & investigate light and sound.  a. Use observations to construct an explanation of how light is required to make objects visible  b. Ask questions to identify & compare sources of light.  c. Plan & carry out an investigation of shadows by placing objects at various points from the source of light.	S1P1. Obtain, evaluate, & investigate light and sound.  d. Construct an explanation to observe and provide evidence that vibrating materials can make sound & that sound can make materials vibrate.  e. Design a signal that can serve as an emergency alert using light & sound.		S1L1. Obtain, evaluate, & communicate information about the basic needs of plants & animals.  b. Ask questions to compare & contrast basic needs of plants & animals- 1.air/air 2.water/water 3.light/food 4.nutrients/shelter  c. Design a solution to ensure a plant or animal’s needs are met.		S1L1. Obtain, evaluate, & communicate information about the basic needs of plants & animals.  a. Develop models to identify the parts of a plant— root, stem, leaf, and flower.  b. Ask questions to compare & contrast basic needs of plants & animals- 1.air/air 2.water/water 3.light/food 4.nutrients/shelter  c. Design a solution to ensure a plant or animal’s needs are met.