Science Grade 1 Scope & Sequence

Time Frame	Unit	NGSS Standard(s)/Outcome(s)	Essential/Guiding Questions
September Lessons 1-3 December Lessons 4-6	**Out of This World**	1-ESS1-1___. Use observations of the sun, moon, and stars to describe patterns that can be predicted. 1-ESS1-2___. Make observations at different times of year to relate the amount of daylight to the time of year. 2-ESS1-1___. Use information from several sources to provide evidence that Earth events can occur quickly or slowly.	● How does the sun move across the sky? ● How does the moon move across the sky? ● Why are stars visible at night and not during the day? ● How does the moon appear in the sky over a period of time? ● How does daylight throughout each season? ● Why do we see different star patterns throughout the year?
October thru December Lessons 1-4 January Thru March Lessons 5-12	**It's Alive**	1-LS1-2___. Read texts and use media to determine patterns in behavior of parents and offspring that help offspring survive. 1-LS1-1.___ Use materials to design a solution to a human problem by mimicking how plants and/or animals use their external parts to help them survive, grow, and meet their needs. 1-LS3-1.___ Make observations to construct an evidence-based account that young plants and animals are like, but not exactly like, their parents. 2-LS4-1___. Make observations of plants and animals to compare the diversity of life in different habitats. 2-LS2-1.___ Plan and conduct an investigation to determine	● How do people, plants and animals use their environment to help them meet their needs? ● How do the parts of living things help organisms survive? ● How do you determine the basic needs for a person, plant or animal? How does light effect the development of seeds and plants? ● How are offspring similar and different from their parents? ● How are plants and animals dependent on one another?

		if plants need sunlight and water to grow. 2-LS2-2. Develop a simple model that mimics the function of an animal in dispersing seeds or pollinating plants	
April thru June	**Best of Bugs**	2-LS2-1 Plan and conduct an investigation to determine if plants need sunlight and water to grow. 2-LS2-2 Develop a simple model that mimics the function of an animal in dispersing seeds or pollinating plants. K-2-ETS1-1 Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool. K-2-ETS1-2 Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem. K-2-ETS1-3 Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs	● How can I be responsible for caring for the plants and animals in my environment? ● How do living things get what they need to survive? ● What processes do engineers and scientists use? ● How does using a process help you?