

First Grade Science students at St. Patrick’s will develop into individuals with the ability to use the process skills of inquiry to discover answers to questions. Using various instructional tools, students will deepen their understandings of Life Science, Earth/Space Science, Physical Science and Health/Social Science topics. Students’ progress will be assessed using a variety of tools including: lab experiments, designing and building models, drawing or completing diagrams, using web quests to gather information, writing reports, and participating in chapter/unit tests.

	<u>Standards/Goals</u>	<u>Instructional Tools</u>	<u>Assessment Tools</u>
1.1 Earth Science (Weather)	<ul style="list-style-type: none"> a. Students will describe and record different kinds of weather. b. Students will use a thermometer to measure temperature. c. Students will understand the water cycle d. Students will understand how a cloud forms. e. Students will learn to stay safe in severe weather. f. Students will observe, describe, and record weather daily 	<ul style="list-style-type: none"> Classroom thermometer Science book charts Water cycle charts Weather books 	<ul style="list-style-type: none"> Labs Teacher observation Test
1.2 Life Science (Apples)	<ul style="list-style-type: none"> a. Students will understand how an apple forms from a seed. b. Students will describe how an apple tree changes from season to season. 	<ul style="list-style-type: none"> Apple books 	<ul style="list-style-type: none"> Apple paintings Teacher observation Test
1.3 Physical Science (Moving and Working)	<ul style="list-style-type: none"> a. Students will identify pushes and pulls as ways of movement. b. Students will understand that pushes and pulls can change speed and direction of movement. c. Students will identify objects that are attracted by magnets. d. Students will demonstrate that magnets attract and repel other magnets. e. Students will understand that simple machines make work easier. 	<ul style="list-style-type: none"> Magnets Lever, wheels, pulleys, and ramps Wooden block mazes 	<ul style="list-style-type: none"> Labs Teacher Observation Tests
1.4 Earth/Space Science (Space)	<ul style="list-style-type: none"> a. Students will understand how day and night are different. b. Students will identify phases of the moon. c. Students will identify different characteristics of each planet. 	<ul style="list-style-type: none"> Planet books Field trip to UNO planetarium 	<ul style="list-style-type: none"> Tests Teacher observation

	<u>Standards/Goals</u>	<u>Instructional Tools</u>	<u>Assessment Tools</u>
1..5 Life Science (The Arctic)	<ul style="list-style-type: none"> a. Students will identify plant life in the Arctic. b. Students will identify and describe at least five animals that live in the Arctic. c. Students will classify arctic animals d. Students will explain how Arctic animals survive in a cold climate. 	<ul style="list-style-type: none"> Books Charts Worksheets/Booklets Internet 	<ul style="list-style-type: none"> Test Teacher observation Reports
1.6 Life Science (The Desert)	<ul style="list-style-type: none"> a. Students will identify plant life in the desert. b. Students will identify and describe at least five desert animals. c. Students will classify desert animals d. Students will explain how desert animals survive in a hot and dry climate. 	<ul style="list-style-type: none"> Books Charts Worksheets/Booklets Internet 	<ul style="list-style-type: none"> Tests Reports Teacher observation
1.7 Life Science (Ocean)	<ul style="list-style-type: none"> a. Students will identify plant life in the ocean. b. Student will identify and describe at least five ocean animals. c. Students will classify ocean animals d. Students will explain how ocean animals survive. 	<ul style="list-style-type: none"> Books Charts Worksheets/Booklets Internet 	<ul style="list-style-type: none"> Tests Reports Teacher observation
1.8 Life Science (Rainforest)	<ul style="list-style-type: none"> a. Students will identify plant life in the rainforest. b. Students will identify plant parts: stem, roots, leaves, seeds c. Student will identify and describe at least five rainforest animals. d. Students will classify rainforest animals. e. Students will explain how rainforest animals survive. f. Students will understand that the rainforest is being destroyed. g. Students will identify ways to help our environment: reuse, reduce, recycle 	<ul style="list-style-type: none"> Books Charts Worksheets/Booklets Web quest 	<ul style="list-style-type: none"> Tests Reports Teacher observation
1.9 Human Body (Senses)	<ul style="list-style-type: none"> a. Students will identify the five senses. b. Students will use their five senses to describe objects c. Students will describe how our senses help us every day. 	<ul style="list-style-type: none"> Reading Book 	<ul style="list-style-type: none"> Worksheets Teacher observation