

**Course Description:**

Second Grade Science introduces students to the process of observation and how important it is to the study of science. Learners will identify their five senses and why they are critical to observation. Students will use these observation skills throughout the course as they examine many different types of animals and their environments. Students begin by observing ants in their own environments and continue onto learning the different types of birds. Students will come to understand plant and animal rhythms and will perform small experiments with plants. Stories will be used to teach the students about nature and interactions that humans have with nature. They will continue to learn about animals and their characteristics habitats, and needs. Students will learn through video, audio stories, hands-on participation and observation with nature. The teachers will conduct live assessments for the topics that had been covered throughout the week’s lessons. Grade 2 Science provides students with the opportunity to expand their minds and see for themselves the way that animals and nature are a part of their everyday lives.

**Materials needed:** Colored pencils or crayons, Bird Feeder materials (Large grapefruit or large orange, birdseed, pencil, twine), Leaves (evergreen and/or deciduous) collected in your area, Wax paper, Iron, Old sheet or towel, Three small pots, Potting soil, Seeds of your choosing, Plain 3x5 index cards, Yarn, Scissors, 2 Popsicle Sticks

Module	Lesson Title	Objectives
1	The Five Senses	<ol style="list-style-type: none"> <li>1. Learn about the senses.</li> <li>2. Identify the 5 senses.</li> </ol>
	Behavior of Ants	<ol style="list-style-type: none"> <li>1. Observe the behavior of ants.</li> <li>2. Identify the different "jobs" of ants in their colonies.</li> </ol>
	Types of Birds	<ol style="list-style-type: none"> <li>1. Explore the life of a bird.</li> <li>2. Study nature observations.</li> </ol>
2	Animal Habitats	<ol style="list-style-type: none"> <li>1. Observe the eating habits of animals.</li> <li>2. Identify what animals in the wild eat.</li> </ol>
	Animal Cooperation	<ol style="list-style-type: none"> <li>1. Learn about animals gathering together to save and help one another.</li> <li>2. Observe and learn how nature cooperates (or doesn't).</li> </ol>
	Animal Rhythms	<ol style="list-style-type: none"> <li>1. Explore the idea of natural rhythms of human beings.</li> </ol>
3	Plant and Animal Rhythm	<ol style="list-style-type: none"> <li>1. Observe the rhythms of plants and animals.</li> <li>2. Chart observations of rhythms of plants and animals.</li> </ol>

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	Trees and Leaves	<ol style="list-style-type: none"> <li>1. Identify local trees.</li> <li>2. Collect leaves of local trees.</li> </ol>
	Experiments with Plants	<ol style="list-style-type: none"> <li>1. Recognize the primary things plants need to grow.</li> <li>2. Prepare a first science experiment.</li> </ol>
4	Stories about Nature	<ol style="list-style-type: none"> <li>1. Relate various nature stories.</li> </ol>
	Stories about Nature and Interactions	<ol style="list-style-type: none"> <li>1. Recount more stories about nature's interactions.</li> </ol>
	Squirrel Habitats	<ol style="list-style-type: none"> <li>1. Observe the life of a squirrel.</li> <li>2. Illustrate the natural habitat of a squirrel.</li> </ol>
5	Animal Characteristics	<ol style="list-style-type: none"> <li>1. Describe characteristics of several animals.</li> <li>2. Distinguish between various character traits of animals such as stamina, strength and gentleness.</li> </ol>
	Animal Needs	<ol style="list-style-type: none"> <li>1. Continue to play the game developed last week.</li> <li>2. Create an animal booklet.</li> </ol>
	Behavior of Bees	<ol style="list-style-type: none"> <li>1. Explore the life of bees and how they develop the honeycomb.</li> <li>2. Read the story, "The Flight of the Worker Bee".</li> <li>3. Use beeswax to design a honeycomb.</li> </ol>
6	Animal Habitats and Weather	<ol style="list-style-type: none"> <li>1. Explore the homes that various animals form.</li> <li>2. Make a termite castle.</li> </ol>
	Spider Webs	<ol style="list-style-type: none"> <li>1. Observe a spider's home.</li> <li>2. Identify characteristics of a spider web.</li> <li>3. Make a "God's Eye" craft.</li> </ol>
	Different Nests for Different Birds	<ol style="list-style-type: none"> <li>1. Learn about the nests birds make.</li> </ol>