

Course Description:

In Kindergarten Science, students will use their senses to explore their world. Students experience nature walks, gardening, and imitative games by exploring the fall season, leaves and butterflies, deer, autumn leaves and weather conditions, falling leaves, squirrels, ducks, natural fall objects, nature observations, animals and camouflage, planting a garden, terrariums, growing a seed, goldfish, freezing water, and magnets.

Module	Lesson Title	Objectives
1	The Summer Season	- Describe summer. - Record observations about summer.
2	Leaves and Butterflies	- Draw what can be observed in nature. - Read "The Butterfly Story." - Explain the life cycle of a butterfly.
3	Deer in Fall	- Read a story to learn about deer. - Draw a picture of a doe, buck, or fawn. - Describe a characteristic of a doe, buck, or fawn.
4	Autumn Leaves and Weather Conditions	- Describe different kinds of trees and leaves. - Gather autumn leaves and describe their various colors. - Explain weather conditions. - Solve a problem using data to compare strengths and weaknesses. - Explain how light travels through some objects and is blocked by other objects, creating shadows.
	Making a Weather Chart	- Describe the unpredictable nature of weather. - Demonstrate the concepts of north, south, east, and west. - Make a wind vane and chart weather observations for the week.
5	Autumn and Falling Leaves	- Read the story about autumn leaves. - Observe fall leaves and draw a picture of a tree with leaves falling. - Learn what animals do in fall to prepare for winter.

Module	Lesson Title	Objectives
6	Squirrel Behavior	- Read a story about squirrels. - Observe the squirrels in your neighborhood.
	Animal Habitats and Weather	- Describe the homes of various animals. - Explain how animals meet their basic needs in habitats. - Identify different animal habitats.
7	Duck Observation	- Read a story about ducks. - Observe and study ducks.
8	Natural Fall Objects	- Study natural fall objects. - Discuss the changing weather. - Explain what animals do in the fall to prepare for the winter.
9	Observing Nature	- Study nature close-up. - Use a magnifying glass to look at different objects.
10	Animal Camouflage	- Learn different ways that animals camouflage (hide) themselves. - Recognize different weather conditions.
11	Listening to Nature	- Identify outdoor sounds in nature. - Collect items to add to nature table.
12	Nature Review	Review their many experiences in nature.
13	Plant a Garden	- Plant an indoor garden. - Illustrate the growth of a seed into a plant.

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14	Forces and Movement	Explain how forces cause changes in motion.
	Assemble and Plant a Terrarium	- Assemble a terrarium. - Plant small, shade-loving plants.
15	Motion	Define motion and position.
	Grow a Bean Seed	- Create a classroom garden. - Plant bean seeds in the classroom garden.
16	Make a Goldfish Bowl	- Draw a picture of one or more of the experiments you are doing. - Make a goldfish bowl.
	Freezing Water and Magnets	- Observe the change in form of water to ice. - Study daily weather conditions. - Observe the behavior of magnets.
17	Thunder and Lightning	- Observe thunder and lightning. - Calculate lightning distance.
	Animals and Weather Change	- Observe animals as they react to changes in the weather. - Illustrate how animals prepare for winter months.
18	Weather Extremes	- Identify extreme weather conditions. - Illustrate hurricanes, tornadoes, and blizzards.

Module	Lesson Title	Objectives
	Compare Environments	Compare and contrast various environments.

Module	Lesson Title	Objectives
Resources	Think Like A Scientist (optional)	• Describe summer. • Record observations about summer. • Identify and discuss safe and healthy practices in science. • Demonstrate safe practices during investigations (such as using materials safely and washing hands). • Demonstrate appropriate use of natural resources. • Explain how to use natural resources appropriately. • Demonstrate how to take care of natural resources (reuse, recycle, conserve).