

**Course Description:**

In Kindergarten Science, students in this course 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 & Camouflage, Planting a Garden, Terrariums, Growing a Seed, Goldfish, Freezing Water, and Magnets.

**Materials needed:**

- Colored pencils or crayons
- Magnifying glass
- Sweet potato or avocado seed
- 3 or 4 Nails
- Drinking Glass
- Jar (with a large opening)
- Rubber band
- Plastic wrap
- Mixture of soil, sand and charcoal
- Glass tumbler
- Cotton balls
- Blotter
- Bean seeds
- Magnet
- Iron filings
- Paper plate

Module	Lesson Title	Objectives
1	The Fall Season	<ul style="list-style-type: none"> <li>• Recall summer</li> <li>• Record sounds, smells and the beauty of summer.</li> </ul>
	Leaves and Butterflies	<ul style="list-style-type: none"> <li>• Learn about fall leaves and hide objects in them.</li> <li>• Read “The Butterfly Story” to your child.</li> </ul>
	Deer in Fall	<ul style="list-style-type: none"> <li>• Read “The Prince of the Forest” to your child.</li> <li>• Draw a picture of Daddy Buck and glue into your science scrapbook.</li> </ul>

Module	Lesson Title	Objectives
2	Autumn Leaves and Weather Conditions	<ul style="list-style-type: none"> <li>• Discuss different kinds of trees and leaves.</li> <li>• Gather autumn leaves and talk about their various colors.</li> <li>• Begin discussing weather conditions.</li> </ul>
	Autumn and Falling Leaves	<ul style="list-style-type: none"> <li>• Read the story, “The Crying Tree” to your child.</li> <li>• Observe Fall leaves and draw a picture of a tree with leaves falling.</li> </ul>
	Squirrel Behavior	<ul style="list-style-type: none"> <li>• Read the story, “The Tale of Three Squirrels” to your child.</li> <li>• Observe the squirrels in your neighborhood.</li> </ul>
3	Duck Observation	<ul style="list-style-type: none"> <li>• Read the story, “Quark” to your child.</li> <li>• Observe and study ducks.</li> </ul>
	Natural Fall Objects	<ul style="list-style-type: none"> <li>• Study natural fall objects</li> <li>• Discuss the changing weather.</li> </ul>
	Observing Nature	<ul style="list-style-type: none"> <li>• Study nature close up</li> <li>• Use a magnifying glass to look at different objects.</li> </ul>
4	Animal Camouflage	<ul style="list-style-type: none"> <li>• Learn different way animals camouflage (hide) themselves.</li> <li>• Recognize different weather conditions.</li> </ul>
	Listening to Nature	<ul style="list-style-type: none"> <li>• Identify outdoor sounds in nature.</li> <li>• Collect items to add to nature table.</li> </ul>
	Nature Review	<ul style="list-style-type: none"> <li>• Review of your many experiences in nature.</li> </ul>
5	Plant a Garden	<ul style="list-style-type: none"> <li>• Plant an indoor garden.</li> <li>• Illustrate the growth of a seed into a plant.</li> </ul>
	Assemble and Plant a Terrarium	<ul style="list-style-type: none"> <li>• Assemble a terrarium.</li> <li>• Plant small, shade-loving plants.</li> </ul>

Module	Lesson Title	Objectives
	Grow a Bean Seed	<ul style="list-style-type: none"> <li>• Make a classroom garden.</li> <li>• Plant bean seeds in the classroom garden.</li> </ul>
6	Make a Goldfish Bowl	<ul style="list-style-type: none"> <li>• Draw a picture of one or more of the experiments you are doing.</li> <li>• Make a goldfish bowl.</li> </ul>
	Freezing Water and Magnets	<ul style="list-style-type: none"> <li>• Observe the change in form of water to ice.</li> <li>• Study daily weather conditions.</li> <li>• Observe the behavior of magnets.</li> </ul>
	Compare Environments	<ul style="list-style-type: none"> <li>• Compare and contrast various environments.</li> </ul>

**Course Description:**

Students in this course will continue using their senses to explore their world. Students experience nature walks, gardening, and imitative games by exploring Animal, Tracks, Astronomy in the Winter, Animals and their Offspring, Shapes in Nature, Winter and the Five Senses, Properties of Matter, Spring Clouds, Rainbows and Evaporation, Making Maple, Syrup, Spring Flowers, Spring Plant Growth, Earthworms, Evening Stars & Constellations, Birds, Pet Care, Bees and Pollination, The Sounds of Spring, Frogs and Ponds

**Materials needed:**

- Magnifying glass
- colored pencils or crayons
- Maple Syrup
- Seeds
- Pots
- Soil
- Garden fork
- Potato
- Piece of cotton
- Toothpicks
- Apples
- Piece of cloth
- Flashlight
- Sunflower seeds
- Bean seeds
- Garden stakes

Module	Lesson Title	Objectives
1	Animal Tracks	<ul style="list-style-type: none"> <li>• Explore snow with your child.</li> <li>• Look for animal tracks in the snow.</li> </ul>
	Astronomy in Winter	<ul style="list-style-type: none"> <li>• Observe the growth of the child's indoor garden.</li> <li>• Read animal and nature stories and learn poems about animals and nature.</li> <li>• Observe the winter stars.</li> </ul>
	Animals and Offspring	<ul style="list-style-type: none"> <li>• Match common animals with their offspring.</li> </ul>

2	Shapes in Nature	<ul style="list-style-type: none"> <li>• Ask your child to point out letter shapes you see in nature.</li> <li>• Discuss winter weather conditions.</li> <li>• Make a wreath to feed the birds in your yard.</li> </ul>
	Winter and the Five Sense	<ul style="list-style-type: none"> <li>• Use the five senses to discuss winter.</li> <li>• Explore the concepts of ice.</li> </ul>
	Properties of Matter	<ul style="list-style-type: none"> <li>• Teach your child the feel of small items and to identify these object.</li> <li>• Play the shaker game with your child.</li> <li>• Play the feely bag game.</li> </ul>
3	Spring Clouds	<ul style="list-style-type: none"> <li>• Read <b>Little Cloud</b> to your child.</li> <li>• Go out each day to look for images in the clouds.</li> </ul>
	Rainbows and Evaporation	<ul style="list-style-type: none"> <li>• Read <b>Rainbow Raindrop</b> to your child.</li> <li>• Start talking about evaporation and what puddles do after it rains.</li> </ul>
	Making Maple Syrup	<ul style="list-style-type: none"> <li>• Read the story, <b>The Maple Tree</b> to your child.</li> <li>• Learn about maple syrup and put on homemade pancakes or waffles.</li> <li>• Draw a picture of a maple tree.</li> <li>• Make leaf rubbings.</li> <li>• Go outside and observe squirrels and chipmunks.</li> </ul>
4	Spring Flower Growth	<ul style="list-style-type: none"> <li>• Teach your child about plants sprouting in the Springtime.</li> <li>• Plant your own flower seeds and have your child water them daily.</li> <li>• Discuss weather conditions with your child.</li> <li>• Read <b>The Magical Seed</b> to your child.</li> </ul>
	Spring Plant Growth	<ul style="list-style-type: none"> <li>• Read the story, <b>Daniel Grows Up</b> to your child.</li> <li>• Find different kinds of new shoots in your area.</li> <li>• Start walking directions for left, right and straight.</li> <li>• Describe the weather.</li> </ul>
	Earthworms in Soil	<ul style="list-style-type: none"> <li>• Read <b>Eartha the Earthworm</b> to your child this week.</li> <li>• Go outside and dig for earthworms.</li> <li>• Grow potato hair.</li> </ul>

5	Evening Stars and Constellations	<ul style="list-style-type: none"> <li>• Study the evening stars and talk about the constellations.</li> <li>• Show your child how some tools work.</li> </ul>
	Birds and Birds' Nests	<ul style="list-style-type: none"> <li>• Look at and study birds and bird nests.</li> </ul>
	Pet Care	<ul style="list-style-type: none"> <li>• Teach your child the importance of taking care of pets</li> <li>• Take a walk and look for spider webs.</li> <li>• Make a <b>God's Eye</b> out of yarn.</li> </ul>
6	Bees and Pollination	<ul style="list-style-type: none"> <li>• Read the story <b>Stardust</b> to your child.</li> <li>• Find the star in the middle of an apple and draw a picture of it.</li> <li>• Observe the bees.</li> </ul>
	The Sound of Spring	<ul style="list-style-type: none"> <li>• Listen to the sounds of spring this week.</li> <li>• Make up a story about the magic of the firefly.</li> <li>• Care for a plant.</li> <li>• Smell the sweet Spring air.</li> </ul>
	Frogs and Ponds	<ul style="list-style-type: none"> <li>• Your child should continue caring for a plant.</li> <li>• Plant a summer house with sunflowers.</li> <li>• Read <b>The Pond Ritual</b>.</li> </ul>