SCIENCE

2nd Grade Science

Welcome to 2nd Grade! This guide will help you understand what your child will learn in science this year and how you can support their learning at home. This year, students will explore the life cycles of plants and animals, how matter changes, and the patterns in the sky. Learning will be grounded in observation, inquiry, and hands-on investigations. If you have questions, contact your child's teacher.

This year's focus: Life Cycles, Changing Matter, and Patterns in the Sky

Second graders will explore how living things grow and change, how matter can be changed by heating and cooling, and how the moon, sun, and stars appear in predictable patterns. They will continue to build scientific thinking by asking questions, making predictions, recording data, and sharing their findings.

EARTH SCIENCE	LIFE SCIENCE	PHYSICAL SCIENCE
Observe and describe changes in the appearance of the moon over time Identify that the sun provides light and heat to Earth Recognize the sun and stars appear to move across the sky in predictable ways	Investigate and describe the life cycles of different animals (e.g., frogs, butterflies, chickens) Explore the life cycle of plants, including germination, growth, and reproduction Recognize that organisms go through predictable stages as they grow and develop	Investigate how matter can change from one form to another (solid, liquid, gas) Identify ways heating and cooling can change physical properties of materials Describe changes in matter as reversible or irreversible

Second grade science encourages students to observe living things, experiment with physical changes, and identify patterns in the sky. They'll continue building essential science skills, such as recording data, making models, and communicating their ideas clearly through words, drawings, and simple graphs.

You can support your child's learning at home by planting seeds and tracking their growth, observing the moon each night, cooking together to explore how heat changes food, or discussing how animals grow. These simple experiences build real-world connections and help your child grow as a curious and capable scientist.