

SCIENCE

By the end of Kindergarten, your child will

- observe and describe animals that live on land and in water with special emphasis on house pets, farm animals, and circus animals.
- become more aware of the five senses.
- be introduced to the proper use of magnifiers.
- understand that there are four seasons and identify attributes of those seasons, i.e., weather changes, clothing changes, and effects on animals and other living things as well as the need to dress appropriately for the weather.
- record daily weather changes noting the presence of sun, wind, rain, clouds, fog, and snow.
- predict, collect, and graph data from simple science experiments.
- observe plants and develop an understanding of what is needed for their growth.

SCIENCE

By the end of 1st grade, your child will

- observe and discuss the parts of a tree.
- observe freshwater organisms in a classroom aquarium.
- describe habitats in nature.
- understand simple concepts about magnets
- understand concepts of seasonal changes.
- explore and research arctic animals (bears and penguins).

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By the end of 2nd grade, your child will

- understand life cycle stages of various plants and animals.
- produce written, oral, and graphic materials about science topics.
- perform experiments and record results using the scientific method in order to understand scientific concepts and principles.
- understand and apply science vocabulary to complete data collections, science journals, and engage in classroom discussions.
- describe and compare characteristics of living things in relationship to their environment.
- Identify and describe weather-related concepts including the water cycle.

SCIENCE

By the end of 3rd grade, your child will

- identify and utilize the elements of the scientific method during investigations and experiments.
- describe and investigate the solar system including the sun, planets, earth, moon, and gravity.
- classify animals according to their physical traits and habitat.
- identify characteristics of matter (solid, liquid, gas) and observe ways in which matter can change.
- understand the digestive, nervous, and respiratory systems of the human body.
- recognize elements of a healthy lifestyle.
- understand basic properties of electricity including batteries and circuits.

SCIENCE

By the end of 4th grade, your child will

- identify and apply the steps of the scientific method.
- demonstrate and explain simple machines.
- describe and explain how geological forces impact the Earth.
- describe the properties of heat.
- investigate the properties of sound.
- Identify the characteristics of a prairie.