

GRADE 2 SCIENCE

In second grade science, children will be using the powers of observation and experimentation to learn about the world. Parents can use this checklist by checking off the below as their child learns.

EXPERIMENTS

- Ask questions and use experimentation to find answers
- Collect data from experiments to support what was learned
- Make observations and record them in writing
- Work in groups to conduct experiments

MATTER

- Describe and classify different types of materials based on observable properties, such as color and texture
- Test different materials to determine which have properties best suited for a particular purpose
- Make observations and demonstrate how many pieces, such as building blocks, can be made into a new object, such as a tower
- Use evidence to explain why some changes, like ice melting, caused by heating and cooling can be reversed and others, like cooking an egg, can't

ECOSYSTEMS

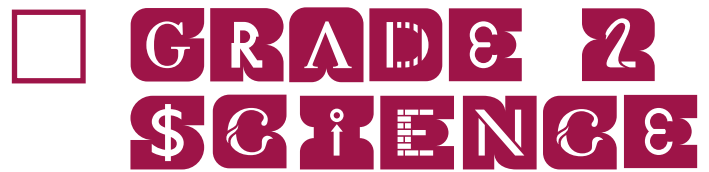
- Plan and execute an investigation to find out if plants need sunlight and water to grow
- Create a model that mimics an animal's function in pollinating plants and dispersing seeds
- Make observations of animals and plants
- Make observations about the diversity of life in different habitats and investigate why certain plants and animals live in certain habitats

EARTH

- Use research to show that events on Earth (like volcanic eruptions and the erosion of rocks) can occur quickly or slowly
- Compare different inventions that are designed to slow or prevent wind or water from changing the shape of the land, such as dams and shrubs
- Create a model that represents the shapes of bodies of land and water
- Find information that shows where water can be found on Earth
- Find information that explains that water can be a solid or liquid

ENGINEERING

- Gather information about a problem that can be solved by developing a new or improved tool
- Draw a sketch or construct a model that shows how the shape of an object helps it solve a particular problem
- Compare the strengths and weaknesses of two objects designed to solve the same problem



You can help your second grader cultivate the skills needed to be successful in science by conducting experiments at home and using your five senses to explore your backyard or the park.