

FIRST GRADE SCIENCE



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Welcome to First Grade! Our goal is to help you understand how your child will engage in science this year. This letter will cover the science expectations for First Grade and the accompanying resources to provide ideas for supporting your child at home. For additional assistance and questions, please contact your child's teacher at their school.

In First Grade, there are four science content standards. The standards are designed for children to make observations as they seek answers to their questions about the world around them. Children will create models based on descriptions and observations. Your child will analyze scientific data as they explore light, sound, weather, and the daily needs of plants and animals. They will also describe how magnets attract or repel other magnets. While participating in these activities, they will learn to follow rules to stay safe.

FIRST GRADE SCIENCE CONCEPTS

EARTH SCIENCE

Ask questions, make observations, and use weather instruments to identify weather patterns.

PHYSICAL SCIENCE

Ask questions, investigate, and construct explanations about light and sound.

Investigate and explain the effects of magnets on other magnets and other everyday objects.

LIFE SCIENCE

Ask questions and make observations to gather information and explain the basic needs of plants and animals.

How will your child be engaged in learning science?

Science and Engineering Practices

Students will be obtaining information by asking questions, planning and carrying out investigations, and using models to gather data. They will utilize information by analyzing data, constructing explanations, developing arguments from evidence, and using models to communicate their ideas. This is important in science because students are doing the same activities that scientists do as part of their work. This will assist students in understanding the process of science and set them up for success in future grades and courses.

Crosscutting Concepts

Students will identify cause and effect, structures and functions, patterns, stability and change, scale, proportion, and quantity of light, sound, magnets, organisms, and weather. These ideas will assist students in analyzing different phenomena in science across all science courses as they move to later grades.

Phenomenon

Students will develop explanations behind phenomena such as weather conditions, light and sound, magnet uses, and the ability of plants and animals to survive in various environments.

Getting to know your child's teacher is important and communication with them throughout the year will support your child's individual growth while learning science. The resource links below are provided to help support learning at home as you engage your child in meaningful work while they are learning science. If at any time you have additional questions or need to request additional support, please reach out to your child's teacher.



[GaDOE Inspire](#)



[Georgia Classroom](#)



[Georgia Standards](#)