

KINDERGARTEN SCIENCE



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Welcome to Kindergarten! Our goal is to help you understand how your child will engage in science this year. This letter will cover the science expectations for Kindergarten 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 Kindergarten, there are six science content standards. The standards are designed to take advantage of your child's curiosity about the world around them. Your child will note various patterns in movement as they wonder why things move. They will also learn to use whole numbers to describe scientific data and identify parts of things. Your child will use their senses to group objects and to make observations about the world using physical attributes. While participating in these activities, they will learn to follow rules to stay safe.

KINDERGARTEN SCIENCE CONCEPTS

EARTH SCIENCE

Make observations about patterns and objects both in the day and night sky.

Make observations to describe the physical attributes of earth materials.

PHYSICAL SCIENCE

Explore the physical attributes of everyday materials.

Investigate to compare and describe the different types of motion.

LIFE SCIENCE

Understand the differences between living and nonliving things.

Make observations to compare and contrast living things.

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 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 science courses.

Crosscutting Concepts

Students will identify patterns, cause and effect, and the structure and function of objects and materials. These ideas will assist students in analyzing different phenomena in science across all science courses as they move to later grades.

Phenomenon

Students will explore the explanations behind phenomena such as what's in the sky, variations in earth materials, and relationships between common materials, objects, and organisms.

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](#)



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