Kindergarten Science Overview (PA STEELS Standards) [August 2025]

A Guide to learning Science in Kindergarten @OJRSD

Kindergarten science is designed to nurture your child's natural curiosity. Through hands-on exploration, collaboration with classmates, and real-world connections, students build the foundation for future scientific thinking and STEM learning.

Living Things (Life Science)

Children learn what all living things—plants, animals, and people—need to survive. They observe how living things grow, change, and behave in different ways. This builds early understanding of nature and the living world.

Motion, Pushes, and Pulls (Physical Science)

Students explore how objects move by experimenting with pushes, pulls, and simple forces. They also learn about how sunlight warms different surfaces. These activities encourage problem-solving and help children understand cause and effect.

Weather and Our World (Earth & Space Science)

Kindergarteners observe daily weather conditions and look for patterns over time. They discover how weather affects people, plants, and animals, and learn why weather forecasts help us prepare for our day. Children also explore different habitats and how living things interact with the places they live.

Caring for Our Environment (Environmental Literacy & Sustainability)

Children are introduced to the idea of being good stewards of the Earth. They learn how people use natural resources like water, trees, and air, and explore ways they can help care for the environment through simple actions like reducing waste and recycling.

Building, Creating, and Problem-Solving (Technology & Engineering)

Students explore how everyday objects work and classify them by shape, material, and purpose. They begin using the engineering design process by planning, building, testing, and improving simple creations. They learn that technology includes anything people invent to solve problems and make life easier.