



FOCUS AREAS FOR KINDERGARTEN:

- ▶ Observe the world by counting and measuring. For example, describe weather patterns by counting the sunny, cloudy, and rainy days in a month.
- ▶ Think about the reasons things change. For example, notice that liquid water turns to solid ice when it gets cold.
- ▶ Explain how plants and animals are the same and different. For example, all plants and animals need food, water, and air, but only plants can make their own food.
- ▶ Explore how objects move when pushed or pulled: for example, how a ball rolls down a ramp when it is pushed and when it is not pushed.



BY THE END OF KINDERGARTEN, STUDENTS CAN:



- ▶ Understand that all plants and animals grow and change over time.
- ▶ Explain how plants and animals can change their environments: for example, how tree roots grow and break sidewalks.
- ▶ Understand that the sun warms the Earth. Observe differences between warmer and cooler materials like rocks, sand, and water.
- ▶ Describe how people can build things to protect themselves and their homes from the sun's heat.
- ▶ Get information from weather forecasts and use it to prepare for local weather (like rain coming the next day).
- ▶ Explain how people can use fewer natural resources: for example, by recycling cans or reusing pieces of paper instead of throwing them away.
- ▶ Study how things change depending on temperature: for example, how a crayon or glue stick melts in heat.
- ▶ Compare what happens when objects are pushed or pulled in different ways: for example, when a book is pushed straight down on a table and when it is pushed sideways.

QUESTIONS YOU CAN ASK YOUR CHILD:

- ▶ How can we prepare for the weather tomorrow?
- ▶ How can we stay cool outside on a hot, sunny day?
- ▶ What are natural resources we use at home?

TOPICS YOU CAN DISCUSS WITH YOUR CHILD'S TEACHER:

- ▶ How science relates to everyday situations in your child's life
- ▶ Places in the community that can help your child learn science