

# EGUSD TK SCIENCE FOUNDATIONS

(Based on the Science Preschool Learning Foundations)

## Scientific Inquiry

Observation and Investigation

- Observe objects and events in the environment and describe them in greater detail.
- Compare and contrast objects and events and describe similarities and differences in greater detail.

Documentation and Communication

- Record information more regularly and in greater detail in various ways, with adult assistance, including pictures, words, charts, journals, models, photos, or by tallying and graphing information.

## Physical Science

Changes and Characteristics of Nonliving Objects and Materials

- Demonstrate an increased awareness that objects and materials can change in various ways.
- Explore and describe in greater detail changes in objects and materials (rearrangement of parts; change in color, shape, texture, form, and temperature).
- Demonstrate an increased ability to observe and describe in greater detail the motion of objects (in terms of speed, direction, the ways things move), and to explore the effect of own actions on the motion of objects, including changes in speed and direction.

## Life Sciences

Properties and Characteristics of Living Things

- Identify characteristics of a greater variety of animals and plants and demonstrate an increased ability to categorize them.
- Recognize that living things have habitats in different environments suited to their unique needs.

Changes in Living Things

- Observe and explore growth in humans, animals, and plants and demonstrate an increased understanding that living things change as they grow and go through transformations related to the life cycle (for example, from a caterpillar to butterfly).

## Earth Sciences

Changes in the Earth

- Demonstrate an increased ability to observe, describe, and discuss changes in weather.
- Demonstrate an increased awareness and the ability to discuss in simple terms how to care for the environment, and participate in activities related to its care.