

# PREKINDERGARTEN SCIENCE SCOPE AND SEQUENCE

## EARLY FIRST QUARTER

### **Earth and Space Sciences**

- C. Observe, describe and measure changes in the weather, both long term and short term.

### **Life Sciences**

- A. Discover that there are living things, non-living things and pretend things, and describe the basic needs of living things (organisms).

### **Physical Sciences**

- A. Discover that many objects are made of parts that have different characteristics. Describe these characteristics and recognize ways an object may change.

### **Scientific Inquiry**

- A. Ask a testable question.
- B. Design and conduct a simple investigation to explore a question.

### **Scientific Ways of Knowing**

- A. Recognize that there are different ways to carry out scientific investigations. Realize that investigations can be repeated under the same conditions with similar results and may have different explanations.
- B. Recognize the importance of respect for all living things.
- C. Recognize that diverse groups of people contribute to our understanding of the natural world.

## LATE FIRST QUARTER

### **Earth and Space Sciences**

- C. Observe, describe and measure changes in the weather, both long term and short term.

### **Life Sciences**

- A. Discover that there are living things, non-living things and pretend things, and describe the basic needs of living things (organisms).

### **Scientific Inquiry**

- A. Ask a testable question.
- B. Design and conduct a simple investigation to explore a question.

### **Scientific Ways of Knowing**

- A. Recognize that there are different ways to carry out scientific investigations. Realize that investigations can be repeated under the same conditions with similar results and may have different explanations.
- B. Recognize the importance of respect for all living things.
- C. Recognize that diverse groups of people contribute to our understanding of the natural world.

## EARLY SECOND QUARTER

### **Earth and Space Sciences**

- A. Observe constant and changing patterns of objects in the day and night sky.
- C. Observe, describe and measure changes in the weather, both long term and short term.

### **Life Sciences**

- A. Discover that there are living things, non-living things and pretend things, and describe the basic needs of living things (organisms).
- B. Explain how organisms function and interact with their physical environment.

### **Physical Sciences**

- B. Recognize that light, sound and objects move in different ways.
- C. Recognize sources of energy and their uses.

### **Science and Technology**

- A. Explain why people, when building or making something, need to determine what it will be made of, how it will affect other people and the environment.
- B. Explain that to construct something requires planning, communication, problem solving and tools.

### **Scientific Inquiry**

- A. Ask a testable question.
- B. Design and conduct a simple investigation to explore a question.

### **Scientific Ways of Knowing**

- A. Recognize that there are different ways to carry out scientific investigations. Realize that investigations can be repeated under the same conditions with similar results and may have different explanations.
- B. Recognize the importance of respect for all living things.
- C. Recognize that diverse groups of people contribute to our understanding of the natural world.

## LATE SECOND QUARTER

### **Earth and Space Sciences**

- C. Observe, describe and measure changes in the weather, both long term and short term.

### **Science and Technology**

- A. Explain why people, when building or making something, need to determine what it will be made of, how it will affect other people and the environment.
- B. Explain that to construct something requires planning, communication, problem solving and tools.

### **Scientific Inquiry**

- A. Ask a testable question.
- B. Design and conduct a simple investigation to explore a question.

### **Scientific Ways of Knowing**

- A. Recognize that there are different ways to carry out scientific investigations. Realize that investigations can be repeated under the same conditions with similar results and may have different explanations.
- B. Recognize the importance of respect for all living things.
- C. Recognize that diverse groups of people contribute to our understanding of the natural world.

# PREKINDERGARTEN SCIENCE SCOPE AND SEQUENCE

## EARLY THIRD QUARTER

### **Earth and Space Sciences**

- C. Observe, describe and measure changes in the weather, both long term and short term.

### **Life Sciences**

- A. Discover that there are living things, non-living things and pretend things, and describe the basic needs of living things (organisms).
- C. Describe similarities and differences that exist among individuals of the same kind of plants and animals.

### **Science and Technology**

- A. Explain why people, when building or making something, need to determine what it will be made of, how it will affect other people and the environment.
- B. Explain that to construct something requires planning, communication, problem solving and tools.

### **Scientific Inquiry**

- A. Ask a testable question.
- B. Design and conduct a simple investigation to explore a question.

### **Scientific Ways of Knowing**

- A. Recognize that there are different ways to carry out scientific investigations. Realize that investigations can be repeated under the same conditions with similar results and may have different explanations.
- B. Recognize the importance of respect for all living things.
- C. Recognize that diverse groups of people contribute to our understanding of the natural world.

## LATE THIRD QUARTER

### **Earth and Space Sciences**

- B. Explain that living things cause changes on Earth.
- C. Observe, describe and measure changes in the weather, both long term and short term.

### **Science and Technology**

- A. Explain why people, when building or making something, need to determine what it will be made of, how it will affect other people and the environment.
- B. Explain that to construct something requires planning, communication, problem solving and tools.

### **Scientific Inquiry**

- A. Ask a testable question.
- B. Design and conduct a simple investigation to explore a question.

### **Scientific Ways of Knowing**

- A. Recognize that there are different ways to carry out scientific investigations. Realize that investigations can be repeated under the same conditions with similar results and may have different explanations.
- B. Recognize the importance of respect for all living things.
- C. Recognize that diverse groups of people contribute to our understanding of the natural world.

## EARLY FOURTH QUARTER

### **Earth and Space Sciences**

- C. Observe, describe and measure changes in the weather, both long term and short term.

### **Science and Technology**

- A. Explain why people, when building or making something, need to determine what it will be made of, how it will affect other people and the environment.
- B. Explain that to construct something requires planning, communication, problem solving and tools.

### **Scientific Inquiry**

- A. Ask a testable question.
- B. Design and conduct a simple investigation to explore a question.

### **Scientific Ways of Knowing**

- A. Recognize that there are different ways to carry out scientific investigations. Realize that investigations can be repeated under the same conditions with similar results and may have different explanations.
- B. Recognize the importance of respect for all living things.
- C. Recognize that diverse groups of people contribute to our understanding of the natural world.

## LATE FOURTH QUARTER

### **Earth and Space Sciences**

- C. Observe, describe and measure changes in the weather, both long term and short term.

### **Science and Technology**

- A. Explain why people, when building or making something, need to determine what it will be made of, how it will affect other people and the environment.
- B. Explain that to construct something requires planning, communication, problem solving and tools.

### **Scientific Inquiry**

- A. Ask a testable question.
- B. Design and conduct a simple investigation to explore a question.

### **Scientific Ways of Knowing**

- A. Recognize that there are different ways to carry out scientific investigations. Realize that investigations can be repeated under the same conditions with similar results and may have different explanations.
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- C. Recognize that diverse groups of people contribute to our understanding of the natural world.