

KINDERGARTEN SCIENCE SCOPE AND SEQUENCE

EARLY FIRST QUARTER

Earth and Space Sciences

- B. Explain that living things cause changes on Earth.

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.
- C. Describe similarities and differences that exist among individuals of the same kind of plants and animals.

Scientific Inquiry

- A. Ask a testable question.
- B. Design and conduct a simple investigation to explore a question.
- C. Gather and communicate information from careful observations and simple investigation through a variety of methods.

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

- 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.

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.
- C. Gather and communicate information from careful observations and simple investigation through a variety of methods.

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

Life Sciences

- B. Explain how organisms function and interact with their physical environment.

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.
- C. Gather and communicate information from careful observations and simple investigation through a variety of methods.

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

- 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.

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.
- C. Gather and communicate information from careful observations and simple investigation through a variety of methods.

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.

KINDERGARTEN SCIENCE SCOPE AND SEQUENCE

EARLY THIRD QUARTER

Life Sciences

- B. Explain how organisms function and interact with their physical environment.

Scientific Inquiry

- A. Ask a testable question.
- B. Design and conduct a simple investigation to explore a question.
- C. Gather and communicate information from careful observations and simple investigation through a variety of methods.

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

- 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.

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.
- C. Gather and communicate information from careful observations and simple investigation through a variety of methods.

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

Life Sciences

- B. Explain how organisms function and interact with their physical environment.

Scientific Inquiry

- A. Ask a testable question.
- B. Design and conduct a simple investigation to explore a question.
- C. Gather and communicate information from careful observations and simple investigation through a variety of methods.

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

- 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.

Scientific Inquiry

- A. Ask a testable question.
- B. Design and conduct a simple investigation to explore a question.
- C. Gather and communicate information from careful observations and simple investigation through a variety of methods.

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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