

Carolina Biological Supply Company Correlation to Indiana Academic Standards

Kindergarten

- Eggs, Eggs, Everywhere
- Sifting Through Science
- Sky Watchers



Kindergarten

Process Standards

The Nature of Science

Students gain scientific knowledge by observing the natural and constructed world, performing and evaluating investigations and communicating their findings. These principles should guide student work and be integrated into the curriculum along with the content standards on a daily basis.

- Use a scientific notebook to record predictions, questions and observations about data with pictures, numbers or in words.

GEMS

Eggs, Eggs, Everywhere

Teacher Guide: Activity 01 (pp5-15), 02 (pp17-29), 03 (pp31-39), 04 (pp41-47)

Building Blocks of Science

Sky Watchers

Teacher Guide: Activity 01 (pp 1-3), 02 (pp 1-6), 03 (pp 1-6), 04 (pp 1-7), 05 (pp 1-5)

- Conduct investigations that may happen over time as a class, in small groups, or independently.

GEMS

Eggs, Eggs, Everywhere

Teacher Guide: Activity 01 (pp5-15), 02 (pp17-29), 03 (pp31-39), 04 (pp41-47)

Sifting Through Science

Teacher Guide: Activity 01 (pp7-22), 02 (pp25-35), 03 (pp37-46), 04 (pp49-56)

Building Blocks of Science

Sky Watchers

Teacher Guide: Activity 02 (pp 1-6), 03 (pp 1-6), 04 (pp 1-7), 05 (pp 1-5)

- Generate questions and make observations about natural processes.

GEMS

Eggs, Eggs, Everywhere

Teacher Guide: Activity 01 (pp5-15), 02 (pp17-29), 03 (pp31-39), 04 (pp41-47)

Sifting Through Science

Teacher Guide: Activity 01 (pp7-22), 02 (pp25-35), 03 (pp37-46), 04 (pp49-56)

Building Blocks of Science

Sky Watchers

Teacher Guide: Activity 02 (pp 1-6), 03 (pp 1-6), 04 (pp 1-7), 05 (pp 1-5)

- Make predictions based on observations.

Building Blocks of Science

Sky Watchers

Teacher Guide: Activity 03 (pp 1-6)

- Discuss observations with peers and be able to support your conclusion with evidence.

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Sifting Through Science

Teacher Guide: Activity 01 (pp7-22), 02 (pp25-35), 03 (pp37-46), 04 (pp49-56)

Building Blocks of Science

Sky Watchers

Teacher Guide: Activity 02 (pp 1-6), 03 (pp 1-6), 04 (pp 1-7), 05 (pp 1-5)

- Make and use simple equipment and tools to gather data and extend the senses.

GEMS

Eggs, Eggs, Everywhere

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Sifting Through Science

Teacher Guide: Activity 01 (pp7-22), 02 (pp25-35), 03 (pp37-46), 04 (pp49-56)

Building Blocks of Science

Sky Watchers

Teacher Guide: Activity 02 (pp 1-6), 03 (pp 1-6), 04 (pp 1-7), 05 (pp 1-5)

- Recognize a fair test.

The Design Process

As citizens of the constructed world, students will participate in the design process. Students will learn to use materials and tools safely and employ the basic principles of the engineering design process in order to find solutions to problems.

- Identify a need or problem to be solved.
- Brainstorm potential solutions.

Building Blocks of Science

Sky Watchers

Teacher Guide: Activity 01 (pp 1-3)

- Document the design throughout the entire design process.

Building Blocks of Science

Sky Watchers

Teacher Guide: Activity 05 (pp 1-5)

- Select a solution to the need or problem.
- Select the materials to develop a solution.

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Sky Watchers

Teacher Guide: Activity 05 (pp 1-5)

- Create the solution.

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Sky Watchers

Teacher Guide: Activity 05 (pp 1-5)

- Evaluate and test how well the solution meets the goal.
- Communicate the solution with drawings or prototypes.

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Sky Watchers

Teacher Guide: Activity 05 (pp 1-5)

- Communicate how to improve the solution.

Standard 1: Physical Science

Core Standard:

Observe, manipulate, sort and generate questions about objects and their physical properties.

K.1.1 Use all senses as appropriate to observe, sort and describe objects according to their composition and physical properties, such as size, color, and shape. Explain these choices to others and generate questions about the objects.

K.1.2 Identify and explain possible uses for an object based on its properties and compare these uses with other students' ideas.

Standard 2: Earth and Space Science

Core Standard:

Observe, record, and recognize patterns and generate questions about night/day and seasons.

K.2.1 Observe and record during each sunny day when the sun shines on different parts of the school building.

Building Blocks of Science

Sky Watchers

Teacher Guide: Activity 02 (pp 1-6), 03 (pp 1-6)

K.2.2 Describe and compare objects seen in the night sky and in the day sky.

Building Blocks of Science

Sky Watchers

Teacher Guide: Activity 01 (pp 1-3), 02 (pp 1-6)

K.2.3 Describe in words and pictures the changes in weather from month to month and over the seasons.

Standard 3: Life Science

Core Standard:

Observe living organisms, compare and contrast their characteristics, and ask questions about them.

K.3.1 Observe and draw physical features of common plants and animals.

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Eggs, Eggs, Everywhere

Teacher Guide: Activity 01 (pp5-15), 03 (pp31-39), 04 (pp41-47)

K.3.2 Describe and compare living animals in terms of shape, texture of body covering, size, weight, color, and the way they move.

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Teacher Guide: Activity 01 (pp5-15), 02 (pp17-29), 03 (pp31-39), 04 (pp41-47)

K.3.3 Describe and compare living plants in terms of growth, parts, shape, size, color, and texture.