



▶ STATE STANDARDS CORRELATION

- ▶ **State:** Delaware
- ▶ **Grade Levels:** Grades 3-5
- ▶ **Content Areas:** Inquiry, Technology, Life and Environmental Sciences

Audubon Adventure activities are intended for use with grades 3-5. DE state standards are established for K-5 with specific learning expectations for each grade level. Audubon Adventure activities have been correlated to the appropriate standards and the grade level expectations for grades 4 and 5, since the activities match Delaware standards at those grade levels only. Access a complete listing of Delaware science content standards, correlated Essential Questions and Enduring Understandings through www.sciencede.org.

Grade 4

Standard 1 – Nature and Application of Science and Technology

Relating Structures of Living Things to Their Function

4.317 observe and describe structures in living organisms that enable them to reproduce, grow, and survive in their environment.

4.318 develop simple classification systems based on similarities and differences in the structures or behavior of living organisms.

4.319 observe, compare, and record variations within a species and predict how the variations may affect the ability of the organism to survive.

4.321 select a living organism and develop descriptions of how the organism responds to a variety of stimuli based on multiple observations and data collection.

4.323 develop reasonable, testable scientific questions about the life cycle of organisms and plan and conduct a simple investigation to answer the questions.

Standard 6 – Life Processes

Relating Structures of Living Things to Their Function

4.317 observe and describe structures in living organisms that enable them to reproduce, grow, and survive in their environment.

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Standard 7 – Diversity and Continuity of Living Things

Relating Structures of Living Things to Their Function

4.317 observe and describe structures in living organisms that enable them to reproduce, grow, and survive in their environment.

- 4.318** develop simple classification system based on similarities and differences in the structures or behavior of living organisms.
- 4.319** observe, compare, and record variations within a species and predict how the variations may affect the ability of the organism to survive.
- 4.320** differentiate between an organism's habitat and its territory.
- 4.321** select a living organism and develop descriptions of how the organism responds to a variety of stimuli based on multiple observations and data collection.
- 4.323** develop reasonable, testable scientific questions about the life cycle of organisms and plan and conduct a simple investigation to answer the questions.

Standard 8 – Ecology

Relating Structures of Living Things to Their Function

- 4.317** observe and describe structures in living organisms that enable them to reproduce, grow, and survive in their environment.
- 4.318** develop simple classification systems based on similarities and differences in the structures or behavior of living organisms.
- 4.319** observe, compare, and record variations within a species and predict how the variations may affect the ability of the organism to survive.
- 4.320** differentiate between an organism's habitat and its territory.
- 4.321** select a living organism and develop descriptions of how the organism responds to a variety of stimuli based on multiple observations and data collection.
- 4.323** develop reasonable, testable scientific questions about the life cycle of organisms and plan and conduct a simple investigation to answer the questions.

Grade 5

Standard 1 – Nature and Application of Science and Technology

Interactions Between Living Things and Their Environment

- 5.318** conduct simple investigations to determine the effects different conditions, factors, or pollutants could possibly have on an ecosystem.
- 5.320** use evidence obtained from experiments to inform those ecosystem decisions that may be expressed in writings, drawings, discussions, or presentations.

Standard 3 – Energy and Its Effects

Interactions Between Living Things and Their Environment

- 5.313** trace the flow of matter and energy through an ecosystem by constructing simple diagrams that include the Sun, producers, consumers, and decomposers.
- 5.314** categorize the organisms within an ecosystem according to the function they serve: producers, consumers, or decomposers.

Standard 5 – Earth's Dynamic Systems

Interactions Between Living Things and Their Environment

- 5.317** identify changes to a particular ecosystem as resulting from either natural or human-made events and explain whether the changes are beneficial or harmful.
- 5.318** conduct simple investigations to determine the effects different conditions, factors, or pollutants could possibly have on an ecosystem.

Standard 6 – Life Processes

Interactions Between Living Things and Their Environment

- 5.315** observe a variety of living organisms within natural or simulated ecosystems and identify structures, features, and behaviors of the organisms that enable them to survive in their ecosystems.
- 5.316** identify those factors that affect the growth and reproduction of organisms in an ecosystem such as light, water, temperature, and soil.
- 5.317** identify changes to a particular ecosystem as resulting from either natural or human-made events and explain whether the changes are beneficial or harmful.

Standard 7 – Diversity and Continuity of Living Things

Interactions Between Living Things and Their Environment

- 5.315** observe a variety of living organisms within natural or simulated ecosystems and identify structures, features, and behaviors of the organisms that enable them to survive in their ecosystem.

5.316 identify those factors that affect the growth and reproduction of organisms in an ecosystem such as light, water, temperature, and soil.

Standard 8 – Ecology

Interactions Between Living Things and Their Environment

5.314 categorize the organisms within an ecosystem according to the function they serve: producers, consumers, or decomposers.

5.315 observe a variety of living organisms within natural or simulated ecosystems and identify structures, features, and behaviors of the organisms that enable them to survive in their ecosystems.

5.316 identify those factors that affect the growth and reproduction of organisms in an ecosystem, such as light, water, temperature, and soil.

5.317 identify changes to a particular ecosystem as resulting from either natural or human-made events and explain whether the changes are beneficial or harmful.

5.318 conduct simple investigations to determine the effects different conditions, factors, or pollutants could possibly have on an ecosystem.

5.320 use evidence obtained from experiments to inform those ecosystem decisions that may be expressed in writings, drawings, discussions, or presentations.

Component	Grade 4 Science Standards	Grade 5 Science Standards
The Buzz About Native Bees		
<i>Student Newspaper</i>	4.317, 4.318, 4.319, 4.320	5.314, 5.315, 5.316, 5.317
<i>Classroom Resource Manual:</i>		
Hands-On-Activity: Bee Attractive	4.317, 4.320, 4.321, 4.323	5.314, 5.315, 5.316, 5.317, 5.318, 5.320
Hands-On-Activity: Pollination Puzzle	4.317, 4.318, 4.319, 4.323	5.314, 5.316
Field Activity: Bee Habitat Survey and Improvement	4.320, 4.321	5.316, 5.317, 5.318, 5.320
Find Out More Essay	4.317, 4.318, 4.319, 4.320	5.314, 5.315, 5.316, 5.317
Bats: Mammals on the Wing		
<i>Student Newspaper</i>	4.317, 4.318, 4.319, 4.320	5.314, 5.315, 5.316, 5.317
<i>Classroom Resource Manual:</i>		
Hands-On-Activity: Moth Catchers	4.137, 4.321	5.314, 5.315, 5.316
Hands-On-Activity: Batty Profile	4.317, 4.318, 4.319, 4.320	5.315, 5.316
Field Activity: Bat Habitat Survey	4.320, 4.323	5.316, 5.317
Find Out More Essay	4.317, 4.318, 4.319, 4.320	5.313, 5.314, 5.315, 5.316, 5.317, 5.320
Home Is Where the Nest Is		
<i>Student Newspaper</i>	4.318, 4.319, 4.320, 4.323	5.315, 5.316, 5.317, 5.320
<i>Classroom Resource Manual:</i>		
Hands-On-Activity: From Mess to Nest	4.317, 4.319, 4.323	5.315
Hands-On-Activity: A Hole Is a Home	4.320, 4.323	5.317
Hands-On-Activity: Nest Site Survey	4.320, 4.323	5.316, 5.317, 5.318, 5.320
Find Out More Essay	4.318, 4.320	5.316, 5.317
Wild About Birds		
<i>Student Newspaper</i>	4.317, 4.318, 4.319, 4.320	5.315
Field Activity: Eating Like a Bird: An Experiment With Bird Food	4.317, 4.318, 4.319, 4.320, 4.321, 4.323	5.315, 5.316, 5.317, 5.318, 5.320
Hands-On-Activity: Birds as Builders	4.317, 4.318	-----
Field Activity: Looking for Field Marks	4.317, 4.318, 4.319	5.315
Find Out More Essay	4.317, 4.318, 4.319	5.315, 5.316, 5.317