Program Information

Locations
Center at Fairfield
2325 Burr Street
Fairfield, CT 06824
OR
In your schoolyard or local park!

Each program is aligned with state science, math and literacy content standards. The program integrates the Three Dimensions of the Next Generation Science Standards (NGSS).

Program fees

- **60 minutes:** $150/classroom
- **90 minutes:** $210/classroom
- **120 minutes:** $250/classroom
- **Full Day (4 Hour programs):** $525/classroom

60 minute Programs at your site:
- **One program:** $150/classroom plus travel fee
- **Two or more:** $140/classroom plus travel fee
- **Assembly Style (3-4 classes):** $300/program plus travel fee

Birds of prey 60 minute program
$300/program plus travel

**Scheduling:**
Tricia Kevalis
Program Director
203-259-6305 ext. 117
tkevalis@ctaudubon.org
www.ctaudubon.org

---

**Science in Nature**

*Grade Level Programs*

**Kindergarten**

<table>
<thead>
<tr>
<th>Seasons and the Weather</th>
<th>Duration: 1 - 1.5 hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students will observe a local area seasonally (fall, winter, spring) throughout the school year and record observable changes to their surroundings (what happens to the plants/animals). Students will make predictions as to what will happen or Students will make discoveries about life cycles by exploring 2 to 3 habitats.</td>
<td></td>
</tr>
</tbody>
</table>

**NGSS/Common Core Connections**

- NGSS Disciplinary Core Idea — ESS2.D
- NGSS Science & Engineering Practice- Analyzing and Interpreting Data
- NGSS Cross Cutting Concept — Patterns
- Common Core Math Connections — K.CC.A; MP.2
- Common Core Literacy Connections — SL.K.3; SL.K.5; SL.K.6

<table>
<thead>
<tr>
<th>Survival</th>
<th>Duration: 1 - 1.5 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students explore the idea of what plants and animals (including humans) need to survive.</td>
<td></td>
</tr>
</tbody>
</table>

**NGSS/Common Core Connections**

- NGSS Disciplinary Core Idea – LS1.C
- NGSS Science and Engineering Practices – Analyzing and Interpreting Data, Developing and Using Models
- NGSS Cross Cutting Concepts – Patterns, Systems and System Models
- Common Core Literacy Connections - SL.K.3., SL.K.5, SL.K.6
- Common Core Math Connections - K.MD.A.2, K.MD.B.3, MP.2., K.CC.A
Science in Nature
Grade Level Programs

1st Grade

Structures & Functions | Duration: 1 - 1.5 hours
--- | ---
While studying our center animals and those we find on our sanctuary, students observe their external structures and learn about their functions. Students see the patterns that all organisms have similarities and differences.

NGSS/Common Core Connections
- NGSS Disciplinary Core Idea – 1-LS1.A
- NGSS Science and Engineering Practices – Constructing Explanations and Designing Solutions
- NGSS Cross Cutting Concepts – Patterns, Structure and Function

Life Cycles and Heredity | Duration: 1 - 1.5 hours
--- | ---
Students make discoveries about life cycles in different plants and animals as they explore 2 to 3 habitats. Students will have a hands-on experience while discovering the different sequence of life cycles in different plants and animals.

NGSS/Common Core Connections
- NGSS Science and Engineering Practices – Constructing Explanations and Designing Solutions
- NGSS Cross Cutting Concepts – Patterns

Common Core Literacy Connections – W.1.8
- Common Core Math Connections - MP.2., K.CC.A

“[Science in Nature is a] Great way to expose students to nature and tie it into our curriculum”

Third Grade Bridgeport Teacher
2nd grade

**Landforms and Erosion**  |  **Duration: 1 - 2 hrs**

Students engage in the scientific method as they conduct hands-on investigations about water erosion. Students make predictions, run experimental trials, record their observations, and draw conclusions about the impact of water on land.

**NGSS/Common Core Connections**
- NGSS Science and Engineering Practice - Constructing Explanations and Designing Solutions
- NGSS Cross Cutting Concept - Stability and Change

Common Core Literacy Connections: W.2.8, SL.2.1, SL.2.1a, SL.2.1b

**Habitats and Organisms**  |  **Duration: 2 hours**

Students look at the diversity of life in each different habitat using a variety of science tools. Students will understand that organisms have basic needs and need to live in a particular habitat to meet those needs.

**NGSS/Common Core Connections**
- NGSS Disciplinary Core Idea – 1-LS4.D
- NGSS Science and Engineering Practices – Planning and Carrying Out Investigations
- NGSS Cross Cutting Concepts – Patterns, Structure and Function

**Seeds and Dispersal**  |  **Duration: 2 hours**

Students investigate natural spaces and make observations of plants and signs of animals. Students discuss and identify different seed dispersal techniques with a focus on how animals assist in this process.

**NGSS/Common Core Connections**
- NGSS Disciplinary Core Idea – 2-LS2.A
- NGSS Science and Engineering Practices – Planning and Carrying Out Investigations
- NGSS Cross Cutting Concept – Structure and Function
3rd Grade

### Weather & Animals  Duration: 4 hrs

Students analyze weather phenomena of at least two habitats, seek evidence of specific weather conditions and use their data to make inferences about animal abundance and behavior.

**NGSS/Common Core Connections**
- NGSS Disciplinary Core Idea – ESS2.D
- NGSS Science & Engineering Practice - Analyzing and Interpreting Data
- NGSS Crosscutting Concept – Patterns
- Common Core Literacy Connection - W.3.8
- Common Core Math Connections - MP.2, MP.4, MP.5

### Humans and Habitats  Duration: 4 hours

Students collect and analyze data on at least two habitats an look for evidence of human impact. Students discuss the implications of how humans may have changed the habitat in positive and negative ways and propose solutions to habitat degradation.

**NGSS/Common Core Connections**
- NGSS Disciplinary Core Idea – LS4.D
- NGSS Science and Engineering Practices – Engaging in Argument from Evidence
- NGSS Cross Cutting Concept – Systems and System Models
- Common Core Literacy Connections: W.3.2, SL.3.4
- Common Core Math Connections: MP.2, MP.4

---

**Program Information**

**Locations**
- Center at Fairfield
  - 2325 Burr Street
  - Fairfield, CT 06824
- In your schoolyard or local park!

Each program is aligned with state science, math and literacy content standards. The program integrates the Three Dimensions of the Next Generation Science Standards (NGSS).

**Program fees**
- **60 minutes:** $150/classroom
- **90 minutes:** $210/classroom
- **120 minutes:** $260/classroom
- **Full Day (4 Hour programs):** $525/classroom

**60 minute Programs at your site:**
- One program: $150/classroom plus travel fee
- Two or more: $140/classroom plus travel fee
- Assembly Style (3-4 classes): $300/program plus travel fee

**Birds of prey 60 minute program**
- $300/program plus travel

**Scheduling:**
- Tricia Kevalis
- Program Director
- 203-259-6305 ext. 117
- tkevalis@ctaudubon.org
- www.ctaudubon.org
Program Information

Locations
Center at Fairfield
2325 Burr Street
Fairfield, CT 06824
OR
In your schoolyard or local park!

Each program is aligned with state science, math and literacy content standards. The program integrates the Three Dimensions of the Next Generation Science Standards (NGSS).

Program fees

60 minutes: $150/classroom
90 minutes: $210/classroom
120 minutes: $260/classroom
Full Day (4 Hour programs): $525/classroom

60 minute Programs at your site:
One program: $150/classroom plus travel fee
Two or more: $140/classroom plus travel fee
Assembly Style (3-4 classes):
$300/program plus travel fee

Birds of prey 60 minute program
$300/program plus travel

Scheduling:
Tricia Kevalis
Program Director
203-259-6305 ext. 117
tkevalis@ctaudubon.org
www.ctaudubon.org

Science in Nature
Grade Level Programs

4th Grade

Weathering and Erosion  Duration: 4 hrs

Students observe how different factors (e.g., water, wind, vegetation, slope) affect weathering and erosion, that different habitats experience different rates and forms of weathering and erosion, and the impact of these phenomena on natural and built environments.

NGSS/Common Core Connections
- NGSS Disciplinary Core Ideas - ESS2.A; ESS2.E
- NGSS Science and Engineering Practice – Planning and Carrying out Investigations
- NGSS Cross Cutting Concept – Cause and Effect
- Common Core Literacy Connections: W.4.8B
- Common Core Math Connections: MP.2

Adaptations: Structures & Functions  Duration: 4 hours

Students explore at least 3 habitats on site and investigate animal and plant external structures that support survival, growth, behavior and reproduction.

NGSS/Common Core Connections
- NGSS Disciplinary Core Idea – 4-LS1-1
- NGSS Science and Engineering Practices – Engaging in Argument from Evidence (EAE)
- NGSS Cross Cutting Concepts – System and System Models
- Common Core Literacy Connections – RST.6-8.7
- Common Core Math Connections - MP.2

“We loved it, and so many of my students came back saying it was the best field trip they had ever been on. The staff was very knowledgeable and excited about what they were presenting, so that really engaged the students.”

Teacher
Nathan Hale School
Science in Nature

Grade Level Programs

5th Grade

Water Cycling  |  Duration: 4 hrs

Students develop their understanding of water as a natural resource, the source and impacts of water pollution, water’s locations and movements on Earth, and as a molecule through the water cycle. Students examine at least two habitats to investigate the presence of water in each habitat.

NGSS/Common Core Connections
- NGSS Disciplinary Core Ideas - ESS2.A; ESS2.C
- NGSS Science and Engineering Practice – Using Mathematics and Computational Thinking
- NGSS Cross Cutting Concept – Scale, Proportion, and Quantity
- Common Core Literacy Connections: W.5.8B
- Common Core Math Connections: MP.2, MP.4

Ecosystems: Interactions, Energy & Dynamics  |  Duration: 4 hrs

Students witness and identify adaptations of various organisms in their natural habitats, which helps them understand the relationship between adaptations of an organism and the characteristics of their surrounding environment. Students explore how energy moves through an ecosystem, how organism’s adaptations helps them obtain energy, and how all organisms are interdependent.

NGSS/Common Core Connections
- NGSS Science and Engineering Practices – Developing and Using Models,
- NGSS Cross Cutting Concept – Systems and System Models
- Common Core Literacy Connections: SL.5.1
- Common Core Math Connections: MP.2; MP.4; MP.5

Program Information

Locations
Center at Fairfield
2325 Burr Street
Fairfield, CT 06824
OR
In your schoolyard or local park!

Each program is aligned with state science, math and literacy content standards. The program integrates the Three Dimensions of the Next Generation Science Standards (NGSS).

Program fees
60 minutes: $150/classroom
90 minutes: $210/classroom
120 minutes: $260/classroom
Full Day (4 Hour programs): $525/classroom

60 minute Programs at your site:
One program: $150/classroom plus travel fee
Two or more: $ 140/classroom plus travel fee
Assembly Style (3-4 classes): $300/program plus travel fee
Birds of prey 60 minute program
$300/program plus travel

Scheduling:
Tricia Kevalis
Program Director
203-259-6305 ext. 117
tkevalis@ctaudubon.org
www.ctaudubon.org

Science in Nature
Science in Nature
Grade Level Programs

6th - 8th Grade

Weathering, Erosion, and Deposition | Duration: 4 hours

Students observe, collect data, and use models to examine various geological phenomena. They “solve” the puzzle of the shape of our land via weathering, erosion, and deposition of sediments. Students gain a broader understanding of geologic processes and how they influence our daily lives.

NGSS/Common Core Connections
- NGSS Disciplinary Core Ideas - ESS2.C
- NGSS Science and Engineering Practices – Constructing Explanations and Designing Solutions, Developing and Using Models
- NGSS Cross Cutting Concept – Scale, Proportion, and Quantity

Competition for Resources | Duration: 4 hours

Students collect field data, make observations, model phenomena, and analyze historical maps, photos and graphs. While examining the presence and abundance of organisms, they consider the roles of resource limitation and interactions among those organisms.

NGSS/Common Core Connections
- NGSS Disciplinary Core Idea – LS2.A
- NGSS Science and Engineering Practices – Developing and Using Models, Analyzing and Interpreting Data
- NGSS Cross Cutting Concepts – Patterns, Cause and Effect
- Common Core Literacy Connections – RST.6-8.7
- Common Core Math Connections - MP.2
Science in Nature
60 - 90 MINUTE EDUCATION PROGRAMS

Adaptable to All Ages

Birds Of Prey: Students learn about the special adaptations of raptors and the role they play in ecosystems. Includes at least 3 live raptors and props.

NGSS DCI: LSLA
NGSS Practices: PCOI, OECI

What Makes a Bird a Bird? Learn the characteristics common to all birds. Students learn how to identify different types of beaks, feet, and feathers to determine how these features relate to behaviors and habitats. Program includes live birds, feathers, mounted specimens, and bones.

NGSS DCI: LSLA
NGSS Practices: PCOI, OECI

Fur, Feather and Scales: Using our center animals, students compare their characteristics and learn how different animals use their body parts to move from place to place, find food, water and shelter. Students find similarities and differences of each animal’s characteristics with up-close looks at amphibians, reptiles, mammals, birds and invertebrates.

NGSS: K-LS1-1, 1-LS1-1, 1-LS1-1, 1-LS2-1
NGSS Practices: PCOI, OECI

Wetland Study: Explore the CAS wetlands while learning how to collect, observe and identify the plants and animals that live in this habitat. Discover how these organisms use their body parts to survive in this unique habitat.

NGSS: 1-LS1-1, 1-LS3-1, 3-LS1-1
NGSS Practices: PCOI, OECI, AID

Life in the Woodlands: Students make observations of plants and animals in different woodland habitats while investigating the interdependence of living organisms in the woodlands.

NGSS DCI: 2–LS4-1, K-ESS3-1
NGSS Practices: PCOI, OECI

Native Americans: Their reliance and respect for natural resources in every day life long ago. Hands-on activities include daily life skills such as food preparation, wigwam building, and wampum bracelet making. Students visit an Algonquin wigwam replica and experience the forest as a traditional resource for daily needs.