



Out on the Ice Virtual Field Trip

Integrating NYS Learning Standards

*For more information please visit [NYS P-12 Science Learning Standards](#) and [NYS Next Generation ELA Standards](#)

Pre-Kindergarten Learning Standards

P. LIFE SCIENCES
P-LS1-1 Observe familiar plants and animals (including humans) and describe what they need to survive. (Clarification Statement: Emphasis should be on determining what a variety of living organisms need to live and grow.)
P-LS1-2 Plan and conduct an investigation to determine how familiar plants and/or animals use their external parts to help them survive in the environment. (Clarification Statement: Emphasis should be on the relationships between the physical and living environment. Examples of external parts could include roots, stems, leaves for plants and eyes, ears, mouth, arms, legs for animals.)

New York State Next Generation Learning Standards Connections: ELA/Literacy

- PKR1** Participate in discussions about a text. (P-LS1-1),(P-LS2-1),(P-LS3-1)
- PKR3** Develop and answer questions about characters, major events, and pieces of information in a text. (RI&RL)
- PKR4** Exhibit an interest in learning new vocabulary. (P-LS1-1),(P-LS1-2),(P-LS3-1)
- PKW1** Use a combination of drawing, dictating, oral expression, and/or emergent writing to state an opinion about a familiar topic in child-centered, authentic, play-based learning. (P-LS1-1),(P-LS1-2),(P-LS3-1)
- PKW2** Use a combination of drawing, dictating, oral expression, and/or emergent writing to name a familiar topic and supply information in child-centered, authentic, play-based learning. (P-LS1-1),(P-LS1-2),(P-LS3-1)
- PKW3** Use a combination of drawing, dictating, oral expression, and/or emergent writing to narrate an event or events in a sequence. (P-PS1-1),(P-PS2-1),(PPS4-1)
- PKW4** Create a response to a text, author, or personal experience (e.g., dramatization, artwork, or poem).
- PKW7** Engage in a discussion using gathered information from experiences or provided resources. (P-LS1-1),(P-LS1-2),(P-LS3-1)
- PKSL2** Interact with diverse formats and texts. (P-LS1-1),(P-LS1-2),(P-LS3-1)
- PKSL3** Identify the speaker. (P-LS1-1),(P-LS1-2),(P-LS3-1)
- PKSL5c** Use words to identify and describe the world around them.

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Kindergarten Learning Standards

K. INTERDEPENDENT RELATIONSHIPS IN ECOSYSTEMS, ANIMALS, PLANTS AND THEIR ENVIRONMENT

K-LS1-1 Use observations to describe patterns of what plants and animals (including humans) need to survive. (Clarification Statement: Examples of patterns could include that animals need to take in food but plants do not; the different kinds of food needed by different types of animals; the requirement of plants to have light; and that all living things need water and other materials to live, grow and thrive.)

K-ESS3-1 Use a model to represent the relationship between the needs of different plants and animals (including humans) and the places they live. (Clarification Statement: Examples of relationships could include that deer eat buds and leaves, therefore they usually live in forest areas, and grasses need sunlight so they often grow in meadows.)

New York State Next Generation Learning Standards Connections: ELA/Literacy

- KR1** Develop and answer questions about a text. (K-ESS2-2)
- KR3** Identify characters, settings, major events in a story, or pieces of information in a text. (RI&RL)
- KW1** Use a combination of drawing, dictating, oral expression and/or emergent writing to state an opinion piece about a familiar topic, personal experience and state a reason to support that topic. (K-ESS2-2)
- KW2** Use a combination of drawing, dictating, oral expression, and/or emergent writing to name a familiar topic and supply information. (K-ESS2-2),(K-ESS2-3)
- KW2** Create a response to a text, author, or personal experience (e.g., dramatization, artwork, or poem).
- KW7** Develop questions and participate in shared research and exploration to answer questions and to build and share knowledge. (K-LS1-1)
- KSL5c** Use words to identify and describe the world making connections between words and their use.

First Grade Learning Standards

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1. STRUCTURE, FUNCTION, AND INFORMATION PROCESSING

1-LS1-2 Read texts and use media to determine patterns in behavior of parents and offspring that help offspring survive. (Clarification Statement: Examples of patterns of behaviors could include the signals that offspring make (such as crying, cheeping, and other vocalizations) and the responses of the parents (such as feeding, comforting, and protecting the offspring).

New York State Next Generation Learning Standards Connections: ELA/Literacy

- 1R1** Develop and answer questions about key ideas and details in a text. (1-LS1-2),(1-LS3-1)
- 1R2** Identify a main topic or idea in a text and retell important details. (1-LS1-2)
- 1R3** Describe characters, settings, and major events in a story, or pieces of information in a text. (RI&RL)
- 1W4** Create a response to a text, author, theme or personal experience (e.g., poem, dramatization, artwork, or other).
- 1W6** Develop questions and participate in shared research and explorations to answer questions and to build knowledge. (1-PS4-1),(1-PS4-2),(1-PS4-3),(1-PS4-4)
- 1W7** Recall and represent information from experiences or gather information from provided sources to answer a question. (1-LS3-1)
- 1L5b** Define words by category and by one or more key attributes (e.g., a duck is a bird that swims; a tiger is a large cat with stripes).
- 1L5c** Use words for identification and description, making connections between words and their use (e.g., places at home that are cozy).

Second Grade Learning Standards

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INTERDEPENDENT RELATIONSHIPS IN ECOSYSTEMS

2-LS4-1 Make observations of plants and animals to compare the diversity of life in different habitats. (Clarification Statement: Emphasis is on the diversity of living things in each of a variety of different habitats.)

New York State Next Generation Learning Standards Connections: ELA/Literacy

- 2R3** In literary texts, describe how characters respond to major events and challenges. (RL) In informational texts, describe the connections between ideas, concepts, or a series of events. (RI)
- 2W4** Create a response to a text, author, theme or personal experience (e.g., poem, play, story, artwork, or other).
- 2W6** Develop questions and participate in shared research and explorations to answer questions and to build knowledge. (2-LS2-1),(2-LS4-1)
- 2W7** Recall and represent relevant information from experiences or gather information from provided sources to answer a question. (2-LS2-1),(2-LS4-1)
- 2SL5b** Use words for identification and description, making connections between words and their use.

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