

Leslie Science and Nature Center Onsite Field Trip Programs

We strive to provide program participants with the opportunity to do science, and programs have the following science and engineering practices incorporated throughout:

Asking Questions & Defining Problems; Planning and Carrying Out Investigations; Analyzing and Interpreting Data; Constructing Explanations & Designing Solutions; Obtaining, Evaluating, and Communicating Information; and Engaging in Arguments from Evidence

| Grade | Program Title | NGSS PE | Disciplinary Core Ideas | Cross-Cutting Concepts | Program Descriptions |
|--------------|------------------------------|---|--|---|---|
| K-1 | Sensing Nature | K-LS1-1 1-LS1-1 | Organization for Matter and Energy Flow in Organisms, Natural Resources, Information Processing | Patterns, Cause & Effect | How do animals use their sense of sight, smell, touch, taste, and hearing? Students will discover how animals use their senses to survive by observing a live animal up close, exploring stops along our outdoor "Sensory Nature Trail," and much more! Your students' senses are sure to be engaged! |
| K-4 | Winter Woods | KLS1-1 K-ESS2-1 | Weather & Climate, Natural Hazards | Patterns, Cause & Effect | What do animals do in the winter? Students will discover how both plants and animals prepare themselves for survival during Michigan's harsh winters through hands-on experiments, observations, a hike through the woods, and a closer look at one of Michigan's native animals. |
| K-2 | Habitat Hunt | K-ESS2-1,2 K-ESS3-1 K-LS1-1 1-LS1-1 2-LS4-1 | Structure & Function, Information Processing, Interdependent Relationships in Ecosystems Biodiversity & Humans, | Patterns, Structure & Function, Systems and Models, Biogeology | What is a habitat? Through guided exploration, a hike through the woods, and scientific journaling, students will discover what makes Black Pond Woods a special place for the animals that inhabit it. |
| 1-3 | Insect Investigations | 1-LS3-1 2-LS2-2 2-LS4-1 3-LS4-3 3-LS1-1 | Structure & Function, Interdependent Relationships in Ecosystems, Biodiversity & Humans, Adaptations, Growth & Development of Organisms, Natural Selection | Patterns, Cause & Effect, Structure & Function, Systems & System Models | After building a bug, meeting live insects, and taking a rare look into an active bee hive, students will learn what it's like to be a bee as they attempt to gather enough nectar for the winter. |

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|-------|------------------------------------|---|---|--|---|
| 1-5 | Exploring Black Pond | 1-LS1-1 2-LS4-1 3-LS1-1 3-LS4-2, 3 4-LS1-1 5-LS2-1 | Inheritance of Traits, Biodiversity and Humans, Ecosystem Dynamics, Functioning, and Resilience, Cycles of Matter and Energy Transfer in Ecosystems, Interdependent Relationships in Ecosystems, Biodiversity & Humans. | Patterns, Structure & Function, Systems & Models | What is Black Pond? Through hands-on exploration, inquiry, and observation students will discover what unique organisms call Black Pond home. Students will hike to our vernal pond and explore the macroinvertebrates that live there. |
| 3-5 | Exploring Ecosystems | 3-LS4-2 3-LS4-3 5-LS2-1 | Biodiversity & Humans, Ecosystem Dynamics, Function and Resilience, Natural Selection, Adaptation, Biodiversity & Humans, Interdependent Relationships in Ecosystems, Cycles of Matter and Energy Transfer | Systems & System Models; Energy & Matter | What is an ecosystem? Through guided exploration, a hike through the woods, data collection, and scientific journaling, students will discover what makes Black Pond Woods a special place for the animals that inhabit it. |
| 3-5 | Tremendous Trees | 3-LS1-1 3-LS4-2 4-LS1-1 5-LS2-1 5-LS1-1 | Growth & Development of Organisms, Information Processing, Inheritance of Traits, Variation of Traits, Natural Selection | Patterns, Cause & Effect, Systems & Models | What would we be without trees? Students will explore the plant that provides us with life supporting resources through hands-on exploration, identification, and a hike through a place where so many trees call their home—the woods! |
| 3-5 | Beaks. Feathers, and Talons | 3-LS1-1 4-LS1-1 5-LS2-1 | Natural Selection, Adaptation, Structure & Function, Information Processing, Organizations for Matter and Energy Flow in Organisms, | Systems & System Models, Energy & Matter | LSNC's resident raptors help us explore bird adaptations and discover what helps them survive in the wild. Students will take a birding hike, run an experiment on beak designs, play a game, and meet one of our birds up close! |

For more information or to schedule a program visit our website at www.lesliesnc.org or give us a call at 734.997.1553