

Explore and Discover










Lindenwood
Nature
Preserve
Program
Guide



FORT WAYNE
PARKS AND
RECREATION



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Program: *The Huge World of Insects*

Length: *One hour*

Goal: *Students will receive an overview of insects native to Indiana and their habitat during a hike*

SEP Standards: *Posing questions, performing investigations, making observations, obtaining/evaluating/communicating information*

Description: Participants will trek the trails with our naturalist, stopping at points of interest for investigation. From life cycles to ecological roles that insects play, our naturalist will give students a peek at the huge world of insects. Participants will leave with a new understanding and appreciation for insects!

Program: *The Huge World of Insects*

Length: *Two Hours*

Goal: *Students will receive an overview of insects native to Indiana and their habitat during a hike, and then participant in hands-on, minds-on laboratory exercises*

SEP Standards: *Posing questions, using tools, performing investigations, making observations, obtaining/evaluating/communicating information*

Description: This program included a guided hike as outlined in the one hour version. After the hike, students will become entomologists (insect scientists!). By participating in hands-on observation experiments, such as observing live insects or dissecting ball galls! This program fosters experiential learning to help students develop critical thinking skills, all while having fun outdoors! Participants will leave with a new understanding and appreciation for insects!

Program: *Giants Among Us (Trees)*

Length: *One hour*

Goal: *Students will receive an overview of trees native to Indiana during a hike, and then participate in hands-on, minds-on laboratory exercises*

SEP Standards: *Posing questions, using tools, performing investigations, making observations, obtaining/evaluating/communicating information*

Description: Participants will trek the trails with our naturalist, stopping at points of interest for investigation. From leaf adaptations to looking at tree cross-sections, our naturalist will provide students a fun learning experience about these forest giants. Participants will leave with a new understanding and appreciation for trees!

Program: *Giants Among Us (Trees)*

Length: *Two Hours*

Goal: *Students will receive an overview of trees native to Indiana during a hike, and then participate in hands-on, minds-on laboratory exercises*

SEP Standards: *Posing questions, using tools, performing investigations, making observations, obtaining/evaluating/communicating information*

Description: This program includes a guided hike as outlined in the one hour version. After the hike, students will become dendrologist (tree scientists!) by participating in hands-on observation experiments, such as learning to use a dichotomy key to identify various tree-species! This program fosters experimental learning to help students develop critical thinking skills, all while having fun outdoors! Participants will leave with a new understanding and appreciation for trees!

Program: *Birds of a Feather*

Length: *One hour*

Goal: *Students will receive an overview of birds native to Indiana during a hike*

SEP Standards: *Posing questions, performing investigations, making observations, obtaining/evaluating/communicating information*

Description: Participants will trek the trails with our naturalist, stopping at points of interest for investigation. From physical adaptations to tips for bird-watching, our naturalist will provide students a fun learning experience about these feathered friends. Participants will leave with a new understanding and appreciation for birds!

Program: *Birds of a Feather*

Length: *Two Hours*

Goal: *Students will receive an overview of birds native to Indiana during a hike*

SEP Standards: *Posing questions, performing investigations, making observations, obtaining/evaluating/communicating information*

Description: This program includes a guided hike as outlined in the one hour version. After the hike, students will become ornithologist (bird scientist!) by participating in hands-on observation experiments, such as learning what observations to make while bird watching or discovering challenges of migration through fun games! This program fosters experimental learning to help students develop critical thinking skills, all while having fun outdoors! Participants will leave with a new understanding and appreciation for trees!

Program: *Mammals of Indiana*

Length: *One hour*

Goal: *Students will receive an overview of mammals native to Indiana during a hike*

SEP Standards: *Posing questions, performing investigations, making observations, obtaining/evaluating/communicating information*

Description: Participants will trek the trails with our naturalist, stopping at points of interest for investigation. From overwintering to how different mammals use the same habitat, our naturalist will provide students a fun learning experience about these furry friends. Participants will leave with a new understanding and appreciation for mammals!

Program: *Mammals of Indiana*

Length: *Two Hours*

Goal: *Students will receive an overview of birds native to Indiana during a hike*

SEP Standards: *Posing questions, performing investigations, making observations, obtaining/evaluating/communicating information*

Description: This program includes a guided hike as outlined in the one hour version. After the hike, students will become mammalogists (mammal scientists!) by participating in hands-on observation experiments, such as investigating taxidermy samples to identify mammals native to Indiana, and other fun educational games! This program fosters experimental learning to help students develop critical thinking skills, all while having fun outdoors! Participants will leave with a new understanding and appreciation for mammals!

Program: *Tracking on the Trails*

Length: *One hour*

Goal: *Students will receive an overview of how to identify animal tracks during a hike*

SEP Standards: *Posing questions, performing investigations, making observations, obtaining/evaluating/communicating information*

Description: The forest is bustling with stealthy residents! During this one hour hike, participants will learn about different wildlife tracks and have the opportunity to find them along the trail. Students will leave with the ability to identify wildlife tracks while on their own adventures!

Title: *Fun with Fungi*

Length: *One hour*

Goal: *Students will receive an overview of fungi and their pivotal role in the ecosystem*

SEP Standards: *Posing questions, performing investigations, making observations, obtaining/evaluating/communicating information*

Description: Participants will trek the trails with our naturalist, stopping at points of interest for investigation. From learning the difference between plants and fungi to the role fungi plays in the forest, our naturalist will provide participants an exciting learning experience about these FUN organisms. Participants will leave with a new understanding and appreciation for fungi!

Program: *Awesome Amphibians*

Length: *One hour*

Goal: *Students will receive an overview of amphibians native to Indiana*

SEP Standards: *Posing questions, performing investigations, making observations, obtaining/evaluating/communicating information*

Description: Participants will trek the trails with our naturalist, stopping at points of interest for investigation. From learning how amphibians are different from reptiles to habitat usage and life cycles, our naturalist will provide students a fun learning experience about these extraordinary animals. Participants will leave with a new understanding and appreciation for amphibians!

Title: *Rompin' with Reptiles*

Length: *One hour*

Goal: *Students will receive an overview of reptiles native to Indiana*

SEP Standards: *Posing questions, performing investigations, making observations, obtaining/evaluating/communicating information*

Description: Participants will trek the trails with our naturalist, stopping at points of interest for investigation. From learning about life cycles to which species call Indiana home, our naturalist will provide participants a fun learning experience about these extraordinary animals. Participants will leave with a new understanding and appreciation for reptiles!

Title: *Explore and Discover*

Length: *One hour*

Goal: *Students will receive an overview of safe hiking practices that encourage them to explore, discover, and adventure in nature*

SEP Standards: *Posing questions, using tools, making observations*

Description: Participants will trek the trails with our naturalist while learning about safe hiking and navigation practices. Students will learn what to take on a hike and how to use tools such as maps and compasses to safely navigate trails. Participants will leave with a new understanding of adventuring and the confidence to explore outdoors.

Title: Scientific Stories around the Campfire

Length: One hour

Goal: Students will enjoy outdoor time around the campfire while listening to educational stories or folklore read/told by our naturalist

Description: Participants will enjoy outdoor leisure around the campfire while playing educational games and listening to environmental stories. Don't worry, if your group works up an appetite while indulging in the great outdoors we have hot dog roasting sticks for you to borrow! Food is not provided, but groups are permitted to bring food to enjoy (s'mores are not allowed) so long as they pack out all food and trash. This relaxed program is a great way to introduce participants to outdoor recreation!

Title: *Roast over the Campfire*

Length: *One hour*

Goal: *Students will enjoy outdoor time around the campfire and will have the opportunity to roast food (not provided by Lindenwood) over an open campfire*

Description: Participants will enjoy outdoor leisure around the campfire. Hot dog roast sticks are available for groups to borrow. Food is not provided, but groups are permitted to bring food to enjoy (s'mores are not allowed) so long as they pack out all food and trash. The campfire ring is nestled in the woods and is adjacent to Nuthatch Nook, providing participants the opportunity to bird watch during their peaceful time around the campfire. This relaxed program is a great way to introduce participants to outdoor recreation!

Title: *Pond Study*

Length: *One hour*

Note: *The program hour does not begin with the hike; the program hour begins once the group arrives at the pond*

Goal: *Students will receive an overview of trees native to Indiana during a hike, and then participate in hands-on, minds-on laboratory exercises*

SEP Standards: *Posing questions, using tools, performing investigations, making observations, obtaining/evaluating/communicating information*

Description: *Prepare to get we in this fun hands-on investigation of Lindenwood's pond! Experiment stations, such as collecting water samples, pH testing, surface tension experiments, netting for aquatic life, and much more will be set up to allow students to learn from experimental activities. This program fosters experimental learning to help students develop critical thinking skills, all while having fun outdoors!*