



Among the Trees: K-1st Grade Guided Field Trip

Thank you for choosing Hoyt Arboretum for your school field trip! This field trip uses inquiry-based methods to introduce your students to tree structures and their functions. Our goal is to have students use all five senses to engage with their environment and connect with trees wherever they may be. This field trip is 60 minutes long.

Hoyt Arboretum Friends has created this program to follow Oregon's Next Generation Science Standards (NGSS). We have implemented the following Disciplinary core ideas into our ***Among the Trees*** field trip:

- Disciplinary Core Ideas:
 - **LS1.C: Organization for Matter and Energy Flow in Organisms-** *All animals need food in order to live and grow. They obtain their food from plants or from other animals. Plants need water and light to live and grow.*
 - **LS1.A: Structure and Function** - *All organisms have external parts. Different animals use their body parts in different ways to see, hear, grasp objects, protect themselves, move from place to place, and seek, find, and take in food, water and air. Plants also have different parts (roots, stems, leaves, flowers, fruits) that help them survive and grow. (1-LS1-1)*
- Performance Expectations
 - **K-LS1-1.** *Use observations to describe patterns of what plants and animals (including humans) need to survive.*
 - **1-LS1-1.** *Use materials to design a solution to a human problem by mimicking how plants and/or animals use their external parts to help them survive, grow, and meet their needs.*





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Among the Trees Tour Activities:

Below are the experiential activities that could take place on the field trip. Please be advised that every field trip is variable, and our nature educators are encouraged to alter the direction of learning, based on the questions and curiosities the students may have. Students will use observation skills and movement, to learn about key structures of trees and their corresponding functions.

1. **Introduction to Tree Signs:**
 - a. Students will learn how to read each of the tree signs at the Hoyt Arboretum and will be introduced to reading Latin scientific names.
2. **Mystery Bag**
 - a. Students will learn about the difference between deciduous and coniferous trees, by using their sense of touch, smell, and observation skills.
3. **Squirrely Seeds**
 - a. Students will pretend to be squirrels and learn how they help pollinate and disperse tree seeds among a forest.
4. **Parts of A Tree with Cards and**
 - a. Students will identify 5 main structures of trees (seeds, branches, leaves, trunk, bark and roots) and the function that each structure has in order for it to grow and survive. They will use their observation skills and movement to identify each of these structures and functions.

Pre and Post Activities (Optional)

*Additional Pre and Post Activities can be found on our website for the **Among the Trees** field trip.*

Thank you for your interest in Hoyt Arboretum Education Programs. If you have any questions please contact our Youth Programs Coordinator, Elena Amaya at elena@hoytarboretum.org.

