

# FOSS Trees Kindergarten

**Big Idea:** Trees are living organisms with different properties and needs.

**Investigation 1:** What do trees need to live? What are the parts of a tree? 1.1, 1.2, 1.4, 3.1, 3.5, 5.1

**Investigation 2:** What physical characteristics of leaves are similar and different? 1.1, 1.2, 1.4, 3.1, 3.2, 3.4, 5.1

**Investigation 3:** What changes in the tree are observed throughout the seasons? 1.1, 1.2, 1.3, 1.4, 3.1, 3.5, 5.1

**Timeline:** Investigation 1 – 3 weeks in early Fall    Investigation 2 – 2 weeks in early Fall  
Investigation 3 – 1 week each in Fall, Winter and Spring

## Inv 1, Pt 1

Looking at  
Schoolyard  
Trees

What do we  
know about  
trees?

## Inv 1, Pt 2

A Tree Comes to  
Class- **Optional**

What do trees  
need in order to  
live?

## Inv 1, Pt 3 and Pt 4

Tree Puzzles  
and Tree  
Silhouette  
Cards

What shapes  
are trees?

## Inv 1, Pt 5 and Pt 6

Tree Part  
Cards and  
Tree Part  
Booklets

What are parts  
of trees?

## Inv 1, Pt 7

Adopt  
Schoolyard  
Trees

What can we  
find out about  
trees?

## Inv 1, Pt 8

Plant the Class  
Tree-**Optional**

How do we care  
for a tree?

## Inv 2, Pt 1

Leaf Walk

What can we  
find out about  
leaves?

## Inv 2, Pt 2

Leaf Shapes

What shapes do  
leaves have?

## Inv 2, Pt 3

Comparing  
Leaves

How are leaves  
similar and  
different?

## Inv 2, Pt 4 and Pt 5

Leaf Silhouettes  
and Outlines;  
Leaf Silhouette  
Games

How are leaves  
different?

## Inv 2, Pt 6

Leaf Books

What do you  
know about  
leaves?

## Inv 3, Pt 1

Fall Trees

What comes  
from fall  
trees?

## Inv 3, Pt 2

Food from Trees

What food is  
made from  
trees?

## Inv 3, Pt 3

Fall Tree Visit

How are Fall  
trees different  
than Spring  
Trees?

## Inv 3, Pt 4

Leaf Shapes

Which trees do  
not lose their  
leaves in the  
winter?

## Inv 3, Pt 5

Winter Twigs

What do tree  
rings and scars  
show?

## Inv 3, Pt 6

Winter Tree  
Visit

How did the  
tree change in  
the winter?

## Inv 3, Pt 7

Forcing Spring  
Twigs to Bud

What do trees  
need for buds to  
leaf or flower?

## Inv 3, Pt 8

Spring Bark  
Hunt

What are  
properties of  
different types  
of bark?

## Inv 3, Pt 9

Spring Tree  
Visit

How did the  
tree change in  
the Spring?