

## 2006 FOSS Kits and Project Learning Tree Correlations

### Kindergarten

FOSS KIT/ PLT Activity	Number	Description	Colorado Standards (2006)
------------------------	--------	-------------	---------------------------

#### ANIMALS TWO BY TWO

Picture This!	#6	Students learn about the diversity of life on earth by looking at different plants and animals from around the world.	Reading/Writing 3.0 Science 1.0, 3.1, 3.4, 6.0
Birds and Worms	#25	Students discover the value of protective coloration as they pretend to be birds in search of colored worms or bugs.	Math 2.0, 3.0 Science 3.1

#### Pill Bugs and Sow Bugs Big and Little Worms

Nature 's Recyclers	#24	Students investigate sowbug habits by observing sowbugs in containers with different types of natural foods.	Reading/Writing 3.0 Science 1.0, 3.1, 3.2
---------------------	-----	--	--

#### TREES

##### Fall Trees

Get in Touch With Trees	#2	Students explore their sense of touch and discover why touch is important to animals, including themselves.	Reading/Writing 1 Science 3.1
Adopt a Tree	#21	Students adopt a tree, visiting it several times and keeping a record of observations, organize information about their tree and identify relationships between their tree and other organisms.	Geography 1.1 Reading/Writing 3.0 Science 1.0, 3.1
Trees as Habitats (variation 1)	#22	Students discover how plants and animals depend on trees.	Reading/Writing 3.0, 5.0; Science 3.1
The Closer You Look	#61	Students take a closer look at trees and their parts to describe structure and function.	Science 1.0, 3.1
Tree Factory (variation 1)	#63	By acting out the parts of a tree, students see how a tree works like a factory.	Science 3.1, 3.2
Tree Lifecycle (variation)	#79	Students act out the lifecycle of a tree	Reading/Writing 5.0 Science 3.1, 3.2, 3.3

## Leaves

Looking at Leaves Project Learning Tree	#64	Students take a closer look at leaves and find out more about leaf characteristics and how leaves can be used to identify trees.	Science 3.1
--	-----	--	-------------

## Trees Through the Seasons

Bursting Buds	#65	Students find answers to questions about where leaves come from by observing tree buds through the year.	Science 1.0, 3.1, 3.3
Signs of Fall (part A)	#78	Students take a walk to observe the changes to trees in the fall.	Science 1.0, 3.1, 3.2, 4.4

## PAPER

Make Your Own Paper	#51	Students investigate the papermaking process by trying it themselves.	Geography 5.1, 5.3; Science 2.1, 5.0
---------------------	-----	---	--------------------------------------

## WOOD

We All Need Trees	#13	Students become tree-lectives to identify, categorize, and determine what items come from trees and if the products are recyclable or reusable.	Geography 5.3 Science 5
-------------------	-----	---	----------------------------

## 1st Grade

### NEW PLANTS

Every Tree for Itself	#27	Students simulate how trees compete for essential needs in this physically-involving activity.	Geography 5.3 Science 3.1, 3.2, 6.0
How Plants Grow (variation only)	#41	Students plant seedlings and explore what happens when a plant=s basic needs are not met.	Geography 5.3;Math 2.0, 3.0 Science 1.0, 3.1, 3.2, 6.0
Tree Life Cycle (variation only)	#79	Students enact the life of a tree through movement and sound.	Reading/Writing 5.0 Science 3.1, 3.2, 3.3

## 2nd Grade

### INSECTS

Schoolyard Safari	#46	Students go on a safari to explore the school yard, while looking for signs of animals living there.	Math 2.0 Science 3.1
-------------------	-----	--	-------------------------

### 3rd Grade

#### STRUCTURES OF LIFE

Have Seeds, Will Travel	#43	Students sort plant seeds they have collected and identify varying methods of seed dispersal.	Science 3.1, 3.2, 3.3, 3.4
To Be A Tree	#62	By making a tree costume, students gain an awareness of a tree=s structure and function.	Science 3.1, 3.2, 6.0
Tree Life Cycle	#79	Students diagram the lifecycle of a tree. (variation correlates to New Plants - 1st grade)	Reading/Writing 5.0 Science 3.1, 3.2, 3.3

#### PHYSICS OF SOUND

Sounds Around	#4	Students identify sounds and map their location in the environment, explain how noise can be a problem in the community, and study a Greek myth about sounds in nature.	Geography 6.2; Math 2.0, 3.0 Reading/Writing 6.0 Science 3.1, 3.3
---------------	----	---	---

#### MEASUREMENT

Air Plants	#28	An experiment demonstrations how plants give off oxygen, then students explore the relationship between the amount of oxygen produced by plants and the amount used by humans.	Math 5.0, 6.0 Science 3.1, 3.2
How Big is Your Tree	#67	Students measure trees in different ways and learn the importance of standard units of measure and measuring techniques.	Geography 5.3 Math 4.0, 5.0, 6.0; Science 1.0

#### WATER VAPOR

Water Wonders	#44	Students simulate and record the path water takes in the water cycle, then write a story about their journey.	Geography 3.1, 3.2, 5.1 Reading/Writing 3.0 Science 1.0, 4.1, 4.3
---------------	-----	---	---

### 4th Grade

#### IDEAS AND INVENTIONS

##### Rubbings

Looking at Leaves (Enrichment - Leaf Art)	#64	Students use different types of leaf art to learn more about leaf characteristics and how leaves can be used to identify trees.	Science 3.1
---	-----	---	-------------

## 5th Grade

### ENVIRONMENTS

#### Terrestrial Environments

Sunlight and Shades of Green	#42	Students test the effects of a lack of sunlight on plant leaves to learn about the process of photosynthesis.	Science 3.1, 3.2
Web of Life	#45	Students collect information and create a mural that depicts the interdependence of elements of an ecosystem.	Reading/Writing 5.0 Science 3.1, 3.2
Field, Forest, and Stream	#48	By comparing different environments, students consider how nonliving elements influence living elements in an ecosystem.	Reading/Writing 3.0 Science 1.0, 2.1, 3.1, 3.2
Tree Cookies	#76	Students trace environmental and historical changes using a cross section of a tree trunk.	History 1.1, 1.2 Reading/Writing 5.0; Science 3.1
Life on the Edge	#88	Students become advocates for endangered species and create a public relations campaign	Geography 5.1, 5.3; Reading/Writing 3.0, 5.0; Science 3.1, 3.4

#### Bugs and Beetles

Fallen Log	#23	Students identify some organisms that live in, on or under fallen logs and describe the process of decomposition.	Reading/Writing 4.0 Science 1.0, 3.2
------------	-----	---	---

### VARIABLES

How Plants Grow (variation only is in 1st grade - New Plants)	#41	Students plant seedlings and explore what happens when a plant's needs are not met.	Geography 5.3; Math 2.0, 3.0 Science 1.0, 3.1, 3.2, 6.0
Soil Stories	#70	Students analyze different types of soil, then solve a mystery to learn about the influence of soil type on water filtration and human use of an area.	Math 5.0; Reading/Writing 3.0 Science 1.0, 2.1, 3.1, 4.1
Trees in Trouble (Part B)	#77	Students conduct a series of experiments to determine conditions that cause plants to become unhealthy.	Reading/Writing 5.0 Science 1.0, 2.1, 3.1, 3.3, 5.0, 6.0

## 6th Grade

### FOOD AND NUTRITION

Pass the Plants, Please	#16	Students determine which part of various plants is edible, analyze their lunch, and hold a plant foods feast,	Math 2.0, 3.0; Reading/Writing 5.0 Science 3.1
-------------------------	-----	---	---