

Title of Lesson Plan	"We All Need Trees" – A Guessing Game for Students
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City and State	Cohasset, MN
Grade Level(s)	3-5
Keywords (subjects covered)	Tree products,
Brief Description	Student pairs guess which everyday objects are made from trees.
Total Time Required	About 30-40 minutes
Setting	Classroom
Lesson Objectives/Goals	<ol style="list-style-type: none"> 1. Students will examine a variety of everyday objects to guess which ones are made from trees. 2. If a product is from a tree, students will work together to determine which part of the tree was used to make it.
Materials Needed	15 different objects: A wooden ruler, a pack of gum, a magazine, a piece of cork, school glue, toilet paper, crayons, Fig Newtons, suntan lotion, a bar of soap, spice, tape, a pineapple, bamboo chopsticks, and a coconut
Standards Addressed	<ol style="list-style-type: none"> 1. Scientific Inquiry: Students will observe and describe common objects using simple tools. 2. Earth Structure and Processes: Students will recognize basic Earth materials and their properties. 3. History and Nature of Science: Students will understand the use of science as a tool to examine the natural world.
Procedure	<p>This is a good introduction to learning about trees and their many useful products.</p> <ol style="list-style-type: none"> 1. Number and label 15 different foods and household objects. Set them around the room in numerical order. 2. Divide students into teams of two. Give each pair one sheet to complete together. (See attached list.) 3. Starting at the station closest to them, have students guess whether or not the object was made from a tree. Circle YES or NO on the sheet. Tell students to disregard the packaging and focus on the object itself – so decide if <u>gum</u> is made from trees, not the <u>wrapper</u>. 4. Students who finish early can try the extra credit challenge: If there are products they think are made from trees, have them guess what PART of the tree it is from (bark, cellulose, fruit, sap, wood, etc.) See key at the bottom of the sheet for categories. 5. When everyone has finished, have student pairs return to the very first item they guessed on the list. One student should read the station number and name of the product and the other should tell whether they thought it was from a tree or not. 6. Provide the correct information to students as you go around the circle. Allow pairs to record corrections on their paper. 7. Note that on the attached list, objects #1-12 are all made from trees while objects #13-15 are NOT from trees. 8. See if students can discover why the pineapple, bamboo chopsticks, and the coconut are NOT from trees. (Hint: Think about what makes a plant a tree vs. a type of grass.) 9. Read one of the books listed below. 10. On the back of their sheet, have student pairs list other items that come from trees.

Assessment	<p>Assessment #1: Student pairs should record all necessary corrections on their sheet as we announce the answers at each station.</p> <p>Assessment #2: Students should be able to use reference materials to identify the part of the tree the products come from.</p> <p>Assessment #3: After listening to the story, students should be able to list at least 5 additional objects made from trees.</p>
Literature Cited/References	<ul style="list-style-type: none"> • Project Learning Tree Environmental Education Activity Guide, activity #13 • <u>The Tree Farmer</u> by Chuck Leavell • <u>From Tree to Paper</u> by Pam Marshall • <u>The Giving Tree</u> by Shel Silverstein • <u>Be a Friend to Trees</u> by Patricia Lauber • <u>Our Tree Named Steve</u> by Alan Zweibel • Teachers may also click on "Truth about Trees" at www.hardwoodforest.org to register for a free kit full of tree activities, pencils, bookmarks, and several products like the ones included in this activity.
Forestry Tour Attended	Lake States Region, June of 2009

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“We All Need Trees”

Which of these products are made from trees? Circle **YES** if you think part of the product comes from a tree. Circle **NO** if you think no part of the product comes from a tree.

**If you finish early, try the extra challenge explained at the bottom of this sheet.*

Station:	Product:	Made from trees?		Extra credit:
___ 1.	Ruler	YES	NO	Part: _____
___ 2.	Gum	YES	NO	Part: _____
___ 3.	Magazine	YES	NO	Part: _____
___ 4.	Cork	YES	NO	Part: _____
___ 5.	Glue	YES	NO	Part: _____
___ 6.	Toilet Paper	YES	NO	Part: _____
___ 7.	Crayons	YES	NO	Part: _____
___ 8.	Fig Newtons	YES	NO	Part: _____
___ 9.	Suntan Lotion	YES	NO	Part: _____
___ 10.	Soap	YES	NO	Part: _____
___ 11.	Spice	YES	NO	Part: _____
___ 12.	Tape	YES	NO	Part: _____
___ 13.	Pineapple	YES	NO	Part: _____
___ 14.	Chopsticks	YES	NO	Part: _____
___ 15.	Coconut	YES	NO	Part: _____

***Extra credit challenge:** If you circled **YES** for any of the products, try to name what **part** of the tree you think it came from. Here’s a key:

- B = Bark of tree
- C = Cellulose (tree pulp)
- F = Fruit, nuts, leaves, or seeds
- S = Sap of tree, including gums and resins
- W = Wood of tree
- O = Other

FOR FREE TREE PRODUCTS: Click on “Truth about Trees” at www.hardwoodforest.org
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