

Project Learning Tree Standards-Based FCAT-Style Activities



A Few Of My Favorite Things

Teacher Page

Students practice FCAT skills while learning about resources used to make common items.

GRADE LEVEL: 3rd grade

ACADEMIC OUTCOMES/LESSON OBJECTIVES:

- Students will read a selection introducing them to the concepts that everyday items are made from a variety of natural resources.
- Students will respond to FCAT-Style questions and prompts in Reading, Writing, Math, and Science.

SUNSHINE STATE STANDARDS ASSESSED:

- LA.3.2.2.2 Uses information from the text to answer questions related to explicitly stated main ideas or relevant details.
- LA.3.4.2.3 Writes informational/expository essays that contain at least three paragraphs and include a topic sentence, supporting details, and relevant information.
- MA.A.3.2.3 Adds, subtracts, and multiplies whole numbers, decimals, and fractions, including mixed numbers, and divides whole numbers to solve real-world problems, using appropriate methods of computing, such as mental mathematics, paper and pencil, and calculator.
- SC.D.2.2.1 Knows that using, recycling, and reducing the use of natural resources improves and protects the quality of life.

RESOURCES:

Florida Project Learning Tree Web site - <http://www.sfrc.ufl.edu/plt/>

Florida Department of Education Web site - <http://www.firn.edu/doe/>

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Answer Key:

1. LA.3.4.2.3 Use the 6-point writing rubric.
2. d) MA.A.3.2.3
3. a) SC.D.2.2.1
4. c) LA.3.2.2.2



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Student Handout

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WRITING

1. Imagine that your favorite toy has been broken. Think of a way you could continue to use and enjoy this toy. Write to explain how you could continue to use and enjoy this toy.

NOTE: Write your response to question 1 on another sheet.

MATH

2. In the state of Minnesota, you can earn five cents for every aluminum can you recycle. How much money can you earn if you recycle seventeen cans?
 - a. 5 ¢
 - b. 17 ¢
 - c. 34 ¢
 - d. 85 ¢

SCIENCE

3. Many items that have been used once can be made into something else. For example, old car tires are chopped up and made into a soft ground surfaces for playgrounds. Which of the following words best describes this process?
 - a. Recycling
 - b. Reducing
 - c. Regenerating
 - d. Replacing

Name:

Date:



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READING

This article is adapted from the "Energy Primer" in the Project Learning Tree activity "Energy Sleuths":

A Resource Picnic

Every day, people use items that are made from natural resources. For example, when you're getting ready for a day at the beach, the swimsuit and sunglasses you wear are made from a natural resource called petroleum. That's right, you're wearing fossil fuels! When you add a t-shirt or hat, you'll be wearing a plant too. Cotton plants are grown on farms just for making clothing. When you smear on some sunscreen, you're using natural minerals. One kind is called titanium dioxide.

And it doesn't stop there! Your flip-flop sandals are made of rubber. Rubber can be made from plants or from petroleum. The plastic water bottle you carry is also made from petroleum. And if you have a glass bottle, that's made from sand. If you happen to be carrying a can of soda, the can is made from a natural mineral called aluminum. And if you've brought food, say a peanut butter and jelly sandwich, you're eating seeds and fruits. Peanuts are seeds. Bread is made from wheat seeds. And jelly is made from fruits like grapes or strawberries. What about the plastic baggie holding your sandwich? That's made from petroleum, just like your swimsuit and flip-flops. Whether you're eating, playing, or studying, you're using natural resources all the time!

4. Based on your reading of the article, which of the following natural resources are made from petroleum?
- Cans
 - Glass Bottles
 - Plastic Bags
 - Sunscreen

Name:

Date: