

Lesson 4

ONE, TWO, THREE RECYCLE!



TEACHER'S PREVIEW

Grade Level	K-I
Learning Outcomes	Science 1. Describe the properties of common objects. 2. Describe the similarities and differences between simple objects. Personal Planning 1. Identify problems. 2. Relate consequences to actions and decisions.
Environmental Message	Recycling reduces landfill waste and helps conserve natural resources.
Important Vocabulary	glass paper (glossy & plain) plastic recycle (collect & reprocess material) tin reuse and reduce
Equipment and Material	Blue box, blue bag and yellow bag Materials for recycling: newspaper, glossy paper & lightweight cardboard, clean tins, bottles, plastics Bury and Wait Items from Lesson 3 Teaching aids: Recycle Circle Pictures (included) Poem, "Spencer Gregory Jonathan Trout" (included)

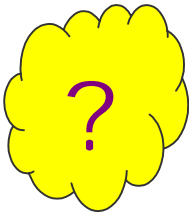


1. INTRODUCTION

Read the poem "Spencer Gregory Jonathan Trout" to the class.

- * What did Spencer Gregory finally do with his garbage?
- * Why do we have a blue box in the room?
- * What do we recycle at school?
- * What are some problems with having too much garbage?
- * How did Spencer deal with the problems?
- * How can you deal with garbage?
- * What can we put in our blue box?
- * What is recycling? (Recycling is a way of making something old or used into something new that can be used again.)

Re-examine Bury and Wait (Items from Lesson 3)



- A. Describe the properties of aluminum can, paper, and glass bottle.
(Light or heavy, hard, sharp, easy to break, etc.)
- B. Pull out objects that do not decompose.
- C. How are they similar? If you have a plastic bottle, an aluminum can and a glass bottle, which one would be the best to choose because of the length of its life? (Aluminum cans can be recycled the most times.)
- D. Hold up each object and ask:
 - * Did this rot? (no)
 - * Can it be recycled? (yes)
 - * What should I do with it? (Put recyclable objects in blue box.)
 - * How do we recycle at home? (Blue box, blue bag and yellow bag.) OR (Blue tote bags for multi-family.)
 - * What can we put in our blue and yellow bags? (Acceptable items are shown on the bag.)
- E. What happens to the things that can't go in the boxes or bags?
(Compost organics, give good things to friends or charity, garbage goes to Burns Bog landfill as waste.)

Note: some items cannot be recycled in the blue box - save these for later use.

One, Two, Three, Recycle!

- A. Divide the class into small groups.
- B. Provide each group with a selection of recyclable items.
- C. Ask children to sort the items into the appropriate containers.

What happens next?



- A. Divide children into five groups: The Recycling Families, The Recycling Truck, Delta Recycling Society (DRS), The Processors, The Store
- B. Let children act out what happens to the Recyclables:
 1. Recycling Families take their blue boxes to the curb.
 2. The Recycling truck picks up the blue box and takes it to DRS.
 3. DRS sorts the recycling into glass, paper, and tin.
 4. The processors take the sorted material from DRS to recycle it into new stuff.
 5. The Store then buys the new items from the Processors and puts it in their store.
 6. The Recycling Families buy the new recycled items for their homes.

What will these things become?

- A. Show the children examples of items made from recycled material (For example, recycled plastic bags, paper products, etc.)
 - * What was I? Let children guess what they used to be, before they were recycled.
- B. Pull out the items from the blue box or bags.
- C. What can each item be recycled into?

Note: Plastics are recycled into plastic bags, fleece clothing, binders, or even plastic "wood". Glass can be recycled into jars, fiberglass, or paving material.

2. PRACTICE

Recycle Circle Story Board

Note: Arranging the storyboard as a circle shows that recycling can happen again and again.

- A. Use "Recycle Circle" Teaching Aid to have children make a storyboard showing what happens to recyclables.
- B. Arrange pictures in order representing each step along the way.
- C. For the last step ask the children to draw something that the recycled material might become.

3. ASSIGNMENT

Recycle Search

- A. Ask children to bring in one item from home that is made from recycled material.
- B. Make a display of all the recycled products we use.
- C. Identify what each of the items is made from.
- D. Group the display according to material (one table for paper, one for plastic etc.)

4. SHARING

- A. Make posters based on The Recycle Circle.
- B. Show what becomes of things that we recycle.
- C. Make a different poster for each material.

5. CLOSURE



- * Do we recycle in our classroom? How good are we at it?
- A. Let's see if there is anything in our garbage bin that can be recycled.
- B. Check the classroom garbage can and remove any items that can be recycled.
- C. Ask children what we should do with these items and place them in the appropriate bag or box.
- D. If you don't find anything give your class an A+!
- E. Otherwise resolve that now you're ready to be A+ Class recyclers.

6. EXTENSION ACTIVITIES

Visit Delta Recycling Society. The 3-R's Eco-Tour has been designed to complement this lesson.

7. SUPPORT DOCUMENTS

Personal Planning I.R.P. K-7

"No Time to Waste" 1993 - GVRD ISBN 07721-0012-8


Delta Recycling Information Booklet

BC Environment's "Eco Education Binder"

"The Green House" Image Media NRC 1990, available through Delta Media Library

"Journey of the Blob" Nation Film Board of Canada 1993, available through Delta Media Library



Environmental Awareness Lesson Jointly Developed by:
 Delta Recycling Society and the Delta School District