Read to the Rhyme, “The House That Jack Built”
That Jack drank.

That was full of the milk,

That was made from the jug,

This is the blue box,
These are the pellets,
That formed the blue box,
That was made from the jug,
That was full of the milk,
That Jack drank.
These are the flakes,
That were melted into pellets,
That formed the blue box,
That was made from the jug,
That was full of the milk,
That Jack drank.
This is the plastic,
That was cut into flakes,
That were melted into pellets,
That formed the blue box,
That was made from the jug,
That was full of the milk,
That Jack drank.

That is the plastic,
That was cut into flakes,
That were melted into pellets,
That formed the blue box,
That was made from the jug,
That was full of the milk,
That Jack drank.
This is the machine,
That washed the plastic,
That was cut into flakes,
That were melted into pellets,
That formed the blue box,
That was made from the jug,
That was full of the milk,
That Jack drank.
This is the worker,
Who loaded the machine,
That washed the plastic,
That was cut into flakes,
That formed the blue box,
That was made from the jug,
That was full of the milk,
That Jack drank.
That Jack drank,
That was full of the milk,
That was made from the jug,
That formed the blue box,
That were melted into pellets,
That was cut into flakes,
That washed the plastic,
Who loaded the machine,
That was sorted by the worker,
That is the numbered plastic,
"Milk Jugs" is written to the rhyme called "The House that Jack Built." You are welcome to share this resource with others. Material in this resource may be copied for educational use. Any other use, in whole or in part, requires you to receive permission to copy, by way of written request.

This big book was developed by the GVRD Story author: Dee Galasso, grade 1 teacher Images: John Crossen Teachers' guide: Marnie Olson Editor: Mary Trainer Teachers' guide design: Laura Galloway Contributors: Penny Ford (grade 1 teacher), Pamela Nel, Jane Keresztes, Bruce Ford, and the Education Advisory Committee of the GVRD.

For more information Contact the CRD Hotline at 250.360.3030 or hotline@crd.bc.ca

How to use this big book…
- copy it as often as you wish.
- copy it on two sides to make a book.
- shrink the size to make little books for every student to take home for additional reading practice with their family.
- have students work in groups with the different stages of recycling from the book.
- have students colour the drawings.
- laminate the one-sided version (coloured or uncoloured) for students to use in groups or as an activity to arrange the stages of recycling in order.
- copy segments of the book to use illustrations for other recycling activities in your classroom.
- make a school display of the story along with related student work.

Teacher’s Guide

Background
There are seven types of plastic. Each is a different type of resin with a different chemical make-up. The codes surrounded by “chasing arrows,” on the bottom of plastic products, distinguishes each type of plastic. Code 1 is polyethylene and code 2 is high-density polyethylene. Codes 1 and 2 have the best markets for recycling. They are valuable because of their available quantity, quality, colour, and relative ease of processing. They also have favourable strength and flexibility characteristics.

Each municipality determines which plastics to collect, based on market demand. Check with your municipality to find out what is, and what isn’t, collected, and why.

Recycling programs at schools are different from home. Schools are part of a sector called “Institutional, Commercial and Industrial.” These facilities arrange collection through private companies. It can be confusing to see a recycling system that is different from what works at home. Consider exploring the differences and the reasons with the students.

Looking for a Web site on plastics? The Canadian Plastics Industry Association has a site with information, a teacher resource area, and activities for students. You connect with these at www.plastics.ca.

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Craft Idea
Milk jug piggy bank
Papier maché a milk jug that has four egg carton sections glued on one side for legs and a slit on the opposite side for money. Decorate, by using leftover paint.

Did you know?
The CRD offers a recycling presentation called "Closing the Loop". This presentation describes what happens to all the bottles, cans, newspapers and cardboard when the recycling truck picks up blue box materials.

Using a variety of recyclable material samples at their various stages of processing, students will learn how the materials are recycled, the benefits recycling has for the environment and how we can all help in the effort. The presentation lasts approximately 45 to 60 minutes and is enjoyed by students in all grades.

Other concepts to explore
What items do you recycle at home, school, and outside? List three.
Why recycle? Why reduce? Why reuse?
What would happen if you did not recycle anything and threw everything into the garbage? What if everyone in your school did that? In your community?

Where does garbage go? What does that look like?
Even when we recycle everything we can, we still have garbage. Why? What other ways are there to avoid garbage?
Milk Jugs

Teacher’s Guide

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Other concepts to explore
- What items do you recycle at home, school, and outside? List three.
- Why recycle? Why reduce? Why reuse?
- What would happen if you did not recycle anything and threw everything into the garbage? What if everyone in your school did that? In your community?
- Where does garbage go? What does that look like?
- Even when we recycle everything we can, we still have garbage. Why?
- What other ways are there to avoid garbage?
Give the students a hint, or ask them for some ideas on matching things. For example, by matching:

- Plastic milk jug - plastic strapping
- Plastic milk jug - shampoo bottle
- Plastic milk jug - plastic shopping bag
- Plastic P.E.T. container - polar fleece
- Empty aluminum can - new aluminum can
- Assorted papers - egg carton
- Used compact disc case - hard plastic "in" tray
- Apple core - compost
- Plastic P.E.T. container - polar fleece
- Plastic jugs that are recycled.

Lead the class in developing a "life cycle" diagram to show what happens to plastic jugs after they are not recycled. Ask questions:

1. What is it made from?
2. Where is it made from?
3. How is it recycled?
4. Where does it go when it is recycled?
5. Where does it go when it is not recycled?
6. Which other items in the container are made from similar materials?
7. Can it be recycled or was it made from recycled materials?
8. What are the easiest things to match? Why?
9. What is the easiest thing to match? Why?

Questions to discuss:

- Can it be recycled or was it made from recycled materials?
- Which other items in the container are made from similar materials?
- Where is it made from?
- Where does it go when it is recycled?
- What is it made from?
- How is it recycled?
- What is the easiest thing to match? Why?
- Which other items in the container are made from similar materials?
- Can it be recycled or was it made from recycled materials?
- What are the easiest things to match? Why?
- What is the easiest thing to match? Why?
- Where does it go when it is recycled?
- How is it recycled?
- Where is it made from?
- Which other items in the container are made from similar materials?
- Can it be recycled or was it made from recycled materials?
- What are the easiest things to match? Why?
- Which other items in the container are made from similar materials?
- Where is it made from?
- Where does it go when it is recycled?
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