TITLE: Go-Go Recycle

WRITTEN BY: Robin Saltee

GRADE LEVEL(S): Second Grade

TIME ALLOTMENT: Twenty minutes a day for a week.

OVERVIEW:
This lesson is about how students can learn to recycle. The class will chart what they recycle during a five day week. Then introduce the concepts 'reuse' and 'reduce' the following weeks.

SUBJECT MATTER:
Science
Math
Reading
Writing

LEARNING OBJECTIVES:
The students will be able to tell what can be recycled.
The students will be able to deposit the items in the correct box to be recycled.
The students will be able to write about recycling.
The students will be able to read about recycling.

MINNESOTA ACADEMIC STANDARDS:
Earth Long Ago/Environment: 2.4.3.1. Recycling activity. Categorize litter, pick up litter around the school or outside and categorize.

Data Analysis, Statistics and Probability - Collect and represent data in real-world and mathematical patterns.

Reading (2003)
A. Word Recognition, Analysis and Fluency - The student will understand and apply knowledge of the sounds of the English language (phonemic awareness), the sound-symbol relationship (phonics), and the word recognition strategies to read grade level materials with accuracy and fluency.
B. Vocabulary Expansion - The student will use a variety of strategies to expand reading, listening and speaking vocabularies.
C. Comprehension - The student will actively engage in the reading process and use a wide variety of comprehension strategies to understand the meaning of texts that have been read.
D. Literature - The student will actively engage in the reading process and read, understand, respond to and appreciate a wide variety of fiction, poetic and non-fiction texts.

Writing (2003)
A. Types of Writing - The student will compose narrative and informational pieces of writing.
C. Spelling, Grammar and Usage - The student will apply Standard English Conventions of writing.
E. Handwriting - The student will begin to write legibly.
MEDIA COMPONENTS – VIDEO AND/OR WEB:
http://pbskids.org/curiousgeorge/video/#6
http://www.pbs.org/teachers/connect/resources/6984/preview/
www.terracycle.net – After the introduction of recycling use this site and continue the recycling project.
   The Three R - Plan
   Nature Reuses and Recycles
   Growing Up Green

MATERIALS:
Journal
Check this site for the last step in the lesson - www.terracycle.net
Bottles, cans, newspaper, plastic bottles etc...
Tag board for signs (paper, plastic, glass, tin)
Markers

BOOKS:
Arthur Turns Green by Marc Brown
The Lorax by Dr. Seuss
It's Earth Day! by Mercer Mayer
Earth Day Hooray! by Stuart J. Murphy
Earth Day by Linda Lowery

PREP FOR TEACHERS:
Bookmark links.
Prepare journals.
Make a list of recycling words.
Chart paper for KWL teaching strategy (What I Know, What I Want to Know, What I Learned)

INTRODUCTORY ACTIVITY - SETTING THE STAGE:
1. List everything students know about recycling.
2. List what they want to learn.

LEARNING ACTIVITIES:
1. Bring out a variety of items (milk jug, newspaper, tin can, glass jar, etc.). Talk about what to do with these items when finished with them.
2. Each student will write in a journal what recycling areas the items belong to (paper, metal, plastic, glass, aluminum, etc.). Underline vocabulary words.
3. Divide the class into four groups. Give each group a 9x12 sheet of white paper. Each group will write the one area the items belong to, example: PAPER, GLASS, METAL, PLASTIC.
4. Students will glue the signs on cardboard boxes.
5. Each group will find the items that go into their box.

MATERIALS:
chart paper
video
milk jug
tin can
glass jar
newspaper
journal
four 9x12 sheets of white paper
four cardboard boxes
6. During the week students will bring recyclable items and deposit into the appropriate box.
7. At the end of the week the class will go through each box to make sure the recyclable items are in the correct box.
8. Direct the students to chart how many items are in each category/box.
The following website will help - www.terracey.net

CULMINATING ACTIVITY: MATERIALS:
1. Review what can be recycled.
2. Review vocabulary words and the definitions of the words.
3. Go to the computer lab (or use interactive whiteboard).
   Access the website: //www.readinga-z.com/ and read the story
   The Three-R Plan together as a review.
4. Write on a chart (see following website) what the students have learned. The following website will assist you.
   http://www.pbs.org/teachers/connect/resources/6984/preview/   Go Green Chart

CROSS-CURRICULAR ACTIVITIES:
Science
- Read the story The Lorax by Dr. Seuss.
- Learn the vocabulary associated with recycling.

Math
- Graph how many items in each recycling category/box.
- Collect data on how many items were recycled at school and at home.
  Chart the date on graph paper.

Reading
- Read a selection of books for information and fun:
  Arthur Turns Green by Marc Brown
  The Lorax by Dr. Seuss
  It's Earth Day! by Mercer Mayer
  Earth Day Hooray! by Stuart J. Murphy
  Earth Day by Linda Lowery
- Review vocabulary words.

Writing
- Students can write sentences about recycling. Underline vocabulary words.
- Students can write a letter to parents telling about the recycling project

COMMUNITY CONNECTIONS:
- Take students for a walk around the school and see what litter they can find. Chart on graph paper.

STUDENT MATERIALS:
Each student will need: notebook, 9x12 white paper, graph paper, and crayons,

OTHER RESOURCES
  Earth Patrol Coloring Book
  Living Clean and Green Bingo 09
  Living Clean and Green Master Cards 09
  Recycle Bingo Calling Cards
  Recycle Bingo Cards
  Recycling Book