



Ebook Code:  
REAU5018



***For Ages 10+***

# **Reduce, Reuse, Recycle**

**Addressing environmental  
concerns in the community.**

Written by Tracy Hill. Illustrated by Melinda Parker. © Ready-Ed Publications - 2003.  
Published by Ready-Ed Publications (2003) P.O. Box 276 Greenwood Perth W.A. 6024  
Email: [info@readyed.com.au](mailto:info@readyed.com.au) Website: [www.readyed.com.au](http://www.readyed.com.au)

**COPYRIGHT NOTICE**

Permission is granted for the purchaser to photocopy sufficient copies for non-commercial educational purposes. However, this permission is not transferable and applies only to the purchasing individual or institution.

**ISBN 1 86397 539 X**

# Contents

Introduction	2
Curriculum Links	4
<b>Information Page:</b> What Is Recycling?	7
Activity Sheet 1: Let's Recycle	8
Activity Sheet 2: Recycling At Home	9
Activity Sheet 3: Milk Carton Seedlings	10
<b>Information Page:</b> Why Recycle?	11
Activity Sheet 4: Recycling In Order	12
<b>Information Page:</b> History Of Recycling	13
Activity Sheet 5: Recycling Words	14
Activity Sheet 6: Classroom Quiz	15
<b>Information Page:</b> Recycling Tips	16
Activity Sheet 7: Paper Mache Pencil Jars	17
<b>Information Page:</b> Into The Land	18
Activity Sheet 8: The Natural Water Cycle (1)	19
Activity Sheet 9: The Natural Water Cycle (2) Reading Tables	20
<b>Information Page:</b> Into The Water	21
Activity Sheet 10: Plays And Drama	22
Activity Sheet 11: Waterway Health Check	23
<b>Information Page:</b> Into The Air	24
Activity Sheet 12: Grassy Eggheads	25
<b>Information Page:</b> Cost of Waste - 1	26
<b>Information Page:</b> Cost of Waste - 2	27
Activity Sheet 13: Canteen Waste	28
Activity Sheet 14: Things Which Can Be Recycled	29
Activity Sheet 15: Seed Jewellery	30
<b>Information Page:</b> Recycling Newsprint	31
Activity Sheet 16: Paper Pulp Cards	32
<b>Information Page:</b> Paper And Cardboard Recycling	33
Activity Sheet 17: Recycling Keywords	34
Activity Sheet 18: Litter Hunt	35
<b>Information Page:</b> Green Waste	36
Activity Sheet 19: Family Recycling	37
<b>Information Page:</b> PET Plastic	38
Activity Sheet 20: Changing Shapes	39
Activity Sheet 21: Bird Feeders	40
<b>Information Page:</b> HDPE Plastic	41
Activity Sheet 22: How Does Rubbish Degrade?	42
Activity Sheet 23: Litterless Lunch	43
<b>Information Page:</b> Recycling Glass	44
Activity Sheet 24: Which Bin?	45
Activity Sheet 25: Musical Trash	46
<b>Information Page:</b> Liquid Paperboard Cartons	47
Activity Sheet 26: Home Survey	48
<b>Information Page:</b> Aluminium Cans	49
Activity Sheet 27: Adding Letters	50
Activity Sheet 28: Changing Forms	51
<b>Information Page:</b> Steel Cans	52
Activity Sheet 29: Metal Mania	53
Activity Sheet 30: Pencil Holder	54
<b>Information Page:</b> Environmental Groups - 1	55
Activity Sheet 31: Environmental Groups - 2	56
Activity Sheet 32: Recycling Projects	57
Answers	59

# Recycling At Home

🌍 At home there are many ways we can recycle. Using the three R's, list some ways you Reduce, Reuse and Recycle at your home.

Draw a picture in each box of one of these ways.

## 1. Reduce

---

---

---

---

---

---

---

## 2. Reuse

---

---

---

---

---

---

---

## 3. Recycle

---

---

---

---

---

---

---

**Useful Internet Site:** [www.dnr.state.wi.us/org/caer/ce/eeek/earth/recycle/](http://www.dnr.state.wi.us/org/caer/ce/eeek/earth/recycle/)

# Classroom Quiz

🌐 You will need to be in groups of four or five for this quiz.

Use one sheet to record group answers.

Put a tick (✓) for each "Always"; a cross (X) for each "Never"; and a question mark for each "Sometimes".

Activity	Always	Sometimes	Never
1. I buy my lunch from the canteen.			
2. I use both sides of paper.			
3. I use a handkerchief instead of tissues.			
4. I use reusable containers when bringing my lunch to school.			
5. I bring empty containers to school to use for art and craft.			

🌐 From the answers above, how many people ...

Buy lunch from the canteen everyday?

\_\_\_\_\_

Never use tissues?

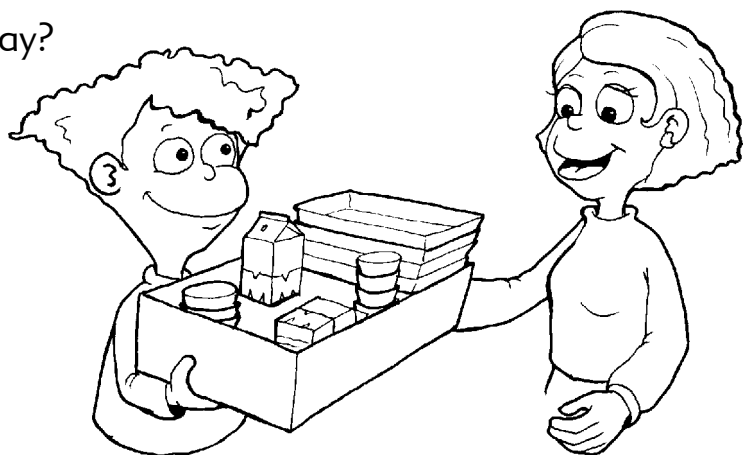
\_\_\_\_\_

Always use handkerchiefs?

\_\_\_\_\_

Sometimes use reusable containers for their lunch?

\_\_\_\_\_



🌐 As a class, brainstorm ways in which you could reduce the amount of waste you create.

# The Natural Water Cycle (1)

## Things you will need:

- 2 x empty glass jars with lids
- dry soil
- seedlings
- 1 cm graph paper
- vinegar solution (one part vinegar to one part water)
- sand
- some small white pebbles or stones
- 2 x small bottle caps to fit in jars
- water

## How to set up the investigation:

1. Fill the jars with pebbles, then add the sand and the soil. Add a few drops of water to each.
2. Plant the seedlings in the soil and lightly water.
3. Mark one bottle cap as "Jar 1" and fill with water. Mark the other as "Jar 2" and fill with the weak vinegar solution. Put the bottle caps in the jars.
4. Put the lids on the jars and place in a sunny position.

## Questions

What do you think is going to happen?

\_\_\_\_\_

Do you think the vinegar solution will affect the plant? \_\_\_\_\_

\_\_\_\_\_

## Outcomes

What happened to the plant in the jar with the vinegar solution? \_\_\_\_\_

\_\_\_\_\_

What happened to the lid filled with water? Did it refill or just evaporate?

\_\_\_\_\_

What is your conclusion? What have you learned from this experiment?

\_\_\_\_\_

\_\_\_\_\_

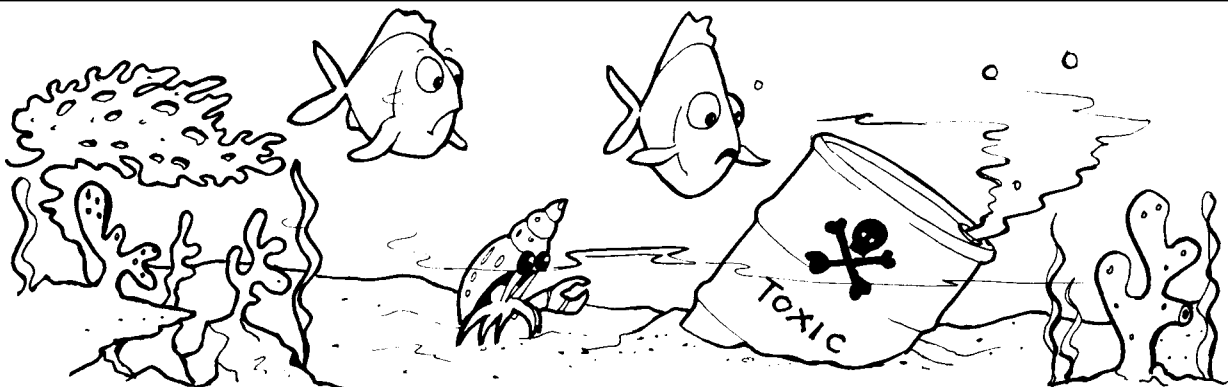
### Class Discussion

This experiment was about acid rain. What kinds of materials do you think would cause harmful chemicals when broken down? What would be a better way of disposing of these materials?

# Plays And Drama

Write a story pretending you are an ocean creature who has had waste dumped into your home. Use the template below to help in your planning.

What creature are you?	
What did your home look like before waste was dumped?	What has been dumped into your part of the ocean?
What does it smell like?	How does it make you feel?
What are you going to do now?	



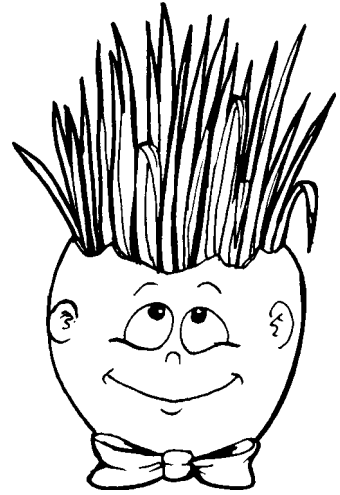
### (For the Teacher) Class Extension

Get the children to work in groups to decide which story they like the best. Let them act their story out for the rest of the class.

# Grassy Eggheads

## Things you will need:

- 2 x empty egg shells, washed
- paint and paintbrushes
- varnish
- grass seeds
- kitchen paper and soil
- empty egg carton



## What to do:

1. Place one of the washed egg shells in an empty egg carton and paint a funny face on it. When it is dry, put a coat of varnish on it to protect your artwork.
  2. Fold some kitchen paper/absorbent paper to make a thick pad. This will be where your seeds grow. Place the paper pad in the bottom of one of the eggshells and sprinkle some cress seeds on it. Add a little water.
  3. Put some soil in the other eggshell. Sprinkle some seeds on the soil and water.
  4. Put your eggheads in a sunny position, checking each day that the paper/soil is still damp. After a few days the seeds will start to grow and your egghead will have a head of hair.
- 🌐 Which egghead grew the tallest - the one in the soil or the paper pad?

---

---

---

Draw a picture of your favourite egghead here.