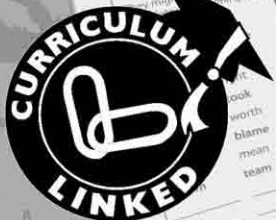


# Groovy Green Ideas

By Miranda Mason

Environmental Education  
For the Kids

SAMPLE



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# TEACHER NOTES

"If you think you're too small to make a difference, you've never been in bed with a mosquito."

Anita Roddick, Business as Unusual, Thorsons, USA, 2001.

The world is a rapidly changing place and our effect on the planet is starting to have some dramatic consequences. Environmental education is playing an increasingly important role as children take over as the custodians of our planet.

Daily, there are new headlines and reports on environmental problems. We all know that we have to act, and no group feels it more keenly than students. Thinking responsibly and sustainably is now essential for our future.

This book empowers students by allowing them to explore environmental issues and by encouraging them to find practical ways to address these issues. Groovy Green Ideas broadly explores the environmental issues of Waste, Climate Change, Energy Usage, Natural Resources and Human Consumption.

The information pages in this text, help students to develop their knowledge of our planet and tackle the activities with confidence.

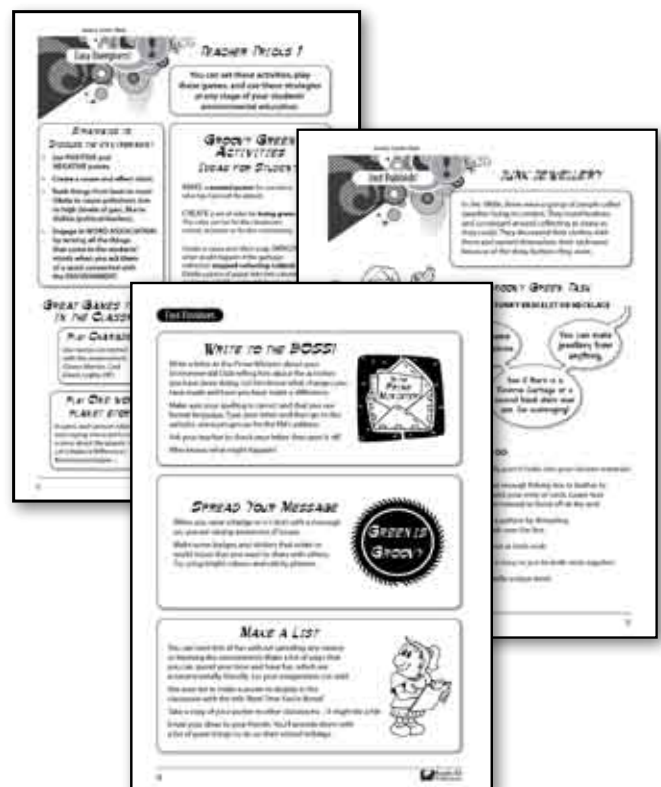
Don't wait – start your school environmental club today and lead the next generation of Green Thinkers!

## 5 Reasons to start TODAY

- Kids care about the planet, they want to make changes to their lives and make a difference;
- The students and in turn, their families will be inspired to consider the impact of their own actions;
- Will help build students problem solving skills and develop their creative thinking;
- The projects don't require expensive resources;
- It is terrific fun.

## In Groovy Green Ideas you will find:

- **Suggestions:** for research activities, reading activities, writing activities and practical activities and games to do in the classroom. This book also suggests strategies to use in the classroom to teach environmental education and lists websites which students may find helpful when completing the activities.
- **Activity Pages:** There are plenty of curriculum-linked activity pages for students to complete in the classroom or for their homework.
- **Project Ideas:** These are activities which require more thought and time.
- **Information Pages:** Clear explanations of environmental issues are provided to broaden students' knowledge and help them to complete the activities.
- **Fast Finishers:** Extension opportunities for students.
- **Answers:** The solutions for activities are provided at the back of the book.



Climate Change

# ICY OCEANS = COOL PLANET

Oceans provide whales and dolphins with a home and lots of food and provide us with fun places to visit on the holidays.

Oceans also play an essential part in our environment.

Oceans are cooler than the air temperature and they absorb CO<sup>2</sup> from the atmosphere. If our planet heats up then the oceans won't be able to absorb as much of the gas and the oceans will get hotter.



## CHECK IT OUT!

YOU WILL NEED TWO SOFT DRINK CANS AND ICE.

Put one of the cans in the freezer until it is icy.

Keep the other can at room temperature.

Open the two cans.  
(You will hear the CO<sup>2</sup> fizz as it is set free).

Watch and see which drink keeps its bubbles for the longest period of time.

## GROOVY GREEN QUESTION

If the oceans warm up what will happen?

## CLASS DISCUSSION

What can we do to cool the oceans down?

CHECK OUT: ▶ <http://oceanexplorer.noaa.gov/>

## ICY OCEAN WORD SEARCH

Now you know all about cool planets, find words connected with the ocean in the word search below. They can go ↑→↙ or ↘

c	u	r	r	e	n	t	b
a	f	p	o	l	a	r	a
r	s	w	i	m	o	d	l
b	n	a	t	s	s	e	a
o	p	e	b	k	s	p	n
n	w	a	v	e	a	t	c
f	i	s	h	l	l	h	e
i	c	y	j	p	t	o	y

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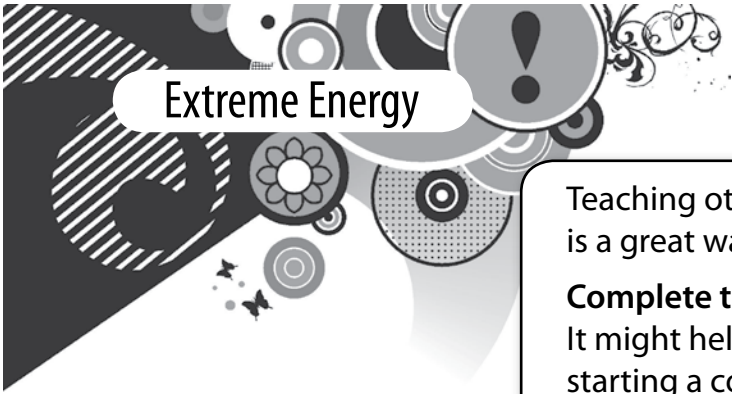
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# HOME SURVEY - KEEP A RECORD

Teaching others about BEING GREEN is a great way to help the planet.

**Complete this survey with your family at home.** It might help you to convince them about starting a compost heap, getting energy efficient light bulbs or even solar panels!

### Record your electricity meter readings in the table below.

Find out the total energy used for each week by subtracting Monday's reading from Friday's reading.

Week 1	Meter Reading	Week 2	Meter Reading
Monday	_____ units	Monday	_____ units
Friday	_____ units	Friday	_____ units
<b>Total</b>	_____ units	<b>Total</b>	_____ units

WEEK 1:

My family used \_\_\_\_\_ units.

WEEK 2:

My family used \_\_\_\_\_ units.

Did you use more electricity in week 1 or week 2? \_\_\_\_\_

Why do you think this was? \_\_\_\_\_

### Record your energy saving actions for a week.

Tick the boxes to indicate how often you did the following things. The results may help you to explain why your meter readings are high/low.

ENERGY SAVING ACTION	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
Turned off the lights, TV, computer, radio when not in the room					
Turned off appliances at the wall					
Wore a jumper instead of using a heater					
Opened windows instead of using air conditioning					

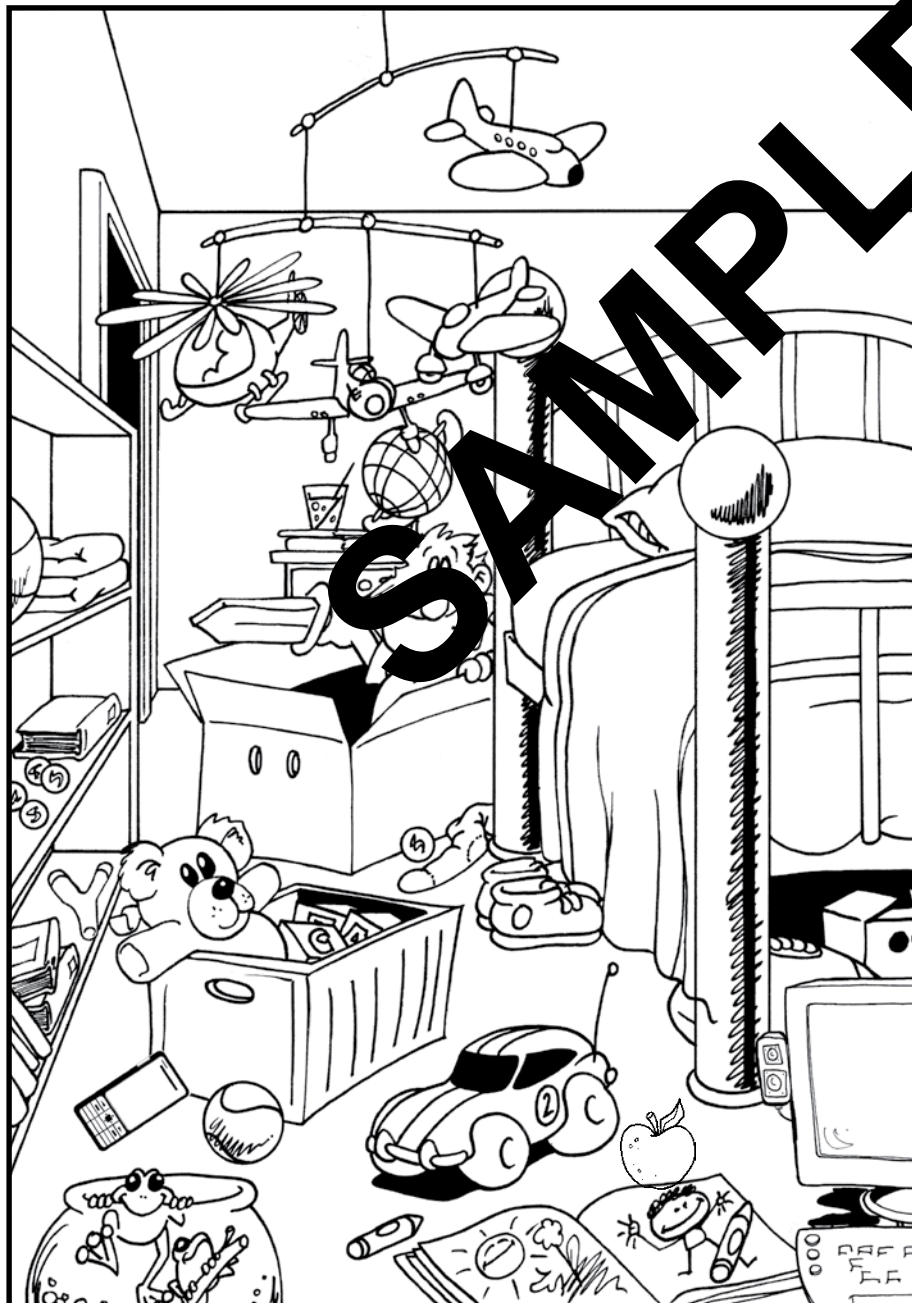
# Consume, Consume, Consume

# SO MUCH STUFF

"20% of the world consume 80% of the world's resources." UNEP.

We have so much stuff in our lives.  
What do you really need to survive?

Choose the most important items in the picture below and colour them.



Explain why you chose your items? Compare your chosen items to your friend's items.

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## BRAINSTORM

As a class, discuss how you can reduce the amount of waste and things that you have.

