



resourcefutures

# Waste Education

## Reduce Reuse Recycle



### WHAT DO WE OFFER SCHOOLS?

A comprehensive Waste Education Programme is available FREE to Devon Schools, funded by Devon County Council and delivered by Resource Futures.

Our experienced Waste Education Officers visit schools to deliver an exciting range of **waste audits**, **assemblies** and **workshops** to help pupils learn about the 3Rs (Reduce, Reuse, Recycle). Workshops have strong cross-curricular links including science, maths, literacy, geography and PSHE. They will complement your school's schemes of work, and are also perfect for **themed weeks** such as Science, Environment or Recycling.

In addition, we provide advice and support to encourage practical action at school and home.

**All our support is FREE to schools**

### WHY LEARN ABOUT WASTE?

Learning about 'rubbish' is the perfect way to engage children with environmental issues. Having learned about the issues, each child can take immediate action both at home and school. Reducing waste prevents landfill sites filling up, preserves biodiversity and conserves valuable natural resources. It also saves energy, a vital part of tackling **climate change**.

For schools working to become more sustainable, or to achieve an **Eco-Schools** award, work on the 3Rs will be essential. There are close links with the **Healthy Schools Programme**.



**Every Child Matters** identifies 'making a positive contribution' as a key outcome in every child's development. By working together to recycle and reduce waste, pupils learn to care for the local and global environments, as well as that of their school.

# Don't let Devon go to waste

# WASTE EDUCATION PROGRAMME 2010/11

Resource Futures' 3-step Waste Education programme is very flexible and can be customised to meet the needs of all schools.

## 1 INVESTIGATING WASTE

Children conduct a **waste audit** - a lively introduction to waste issues, investigating the waste generated by their school. They then learn about its impact on the environment and how they can take action to help.

Cross-curricular learning opportunities for children from Y2 to Y6 include Geography, Maths and ICT

If you are just beginning to address waste issues, we will run an in-school **waste audit** with the children to analyse what you are throwing away. Having established which materials your school is throwing away, we will help pupils formulate an **action plan** to reduce your school's waste. **If you have recently done a waste audit, go straight to step 2.**



## 2 TAKING ACTION

Our Waste Education Officers will give you plenty of support to implement your action plan to Reduce, Reuse and Recycle (the 3Rs).

### CURRICULUM-LINKED WORKSHOPS

We offer a comprehensive range of curriculum-linked 3Rs workshops (see page 3)

### ASSEMBLIES

We deliver assemblies on the following 3Rs topics:

- Waste issues and the 3Rs
- Recycling and climate change
- Feeding back audit results
- The 3Rs at Christmas / New Year's resolutions
- Composting
- Marine litter



### VISITS TO LANDFILL SITES, COMPOSTING PLANTS AND RECYCLING FACILITIES (see page 4)

### ADVICE

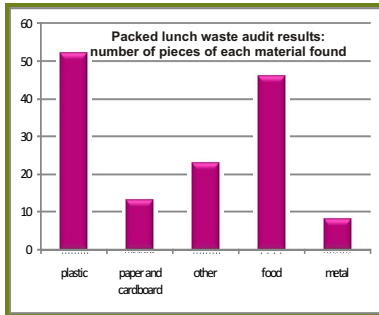
We will help you set up recycling and composting systems, which will often involve working closely with caretakers and kitchen staff, as well as pupils and teachers. We can advise you on ways to get the whole school community involved, as well as linking with local and national initiatives.

## 3 ASSESSING PROGRESS

At least six months after your first waste audit, your Waste Education Officer will help pupils to repeat the audit process, evaluate the effectiveness of your action plan and celebrate your achievements. We will then support you in planning for taking action in the future.

# CURRICULUM-LINKED WORKSHOPS

Resource Futures' workshops have been designed by qualified and experienced teachers. We work with one class at a time, and most workshops take between 1¼ and 1½ hours. Each session has something for pupils to take home to reinforce learning objectives and stimulate discussion in the home.



## Y2, KS2 PACKED LUNCH WASTE or PAPER AUDIT

Investigate either the paper recycling system or waste created at lunchtime to let pupils come to their own powerful conclusions as to how they can reduce, reuse and recycle more effectively.

For curriculum links, see waste audit on page 2

## KS2 RECYCLED MATERIALS CHALLENGE

A fascinating workshop challenging pupils to consider the natural resources used to make everyday items, and what these can be recycled into. Many surprising facts are revealed along the way!

Links to: Geography 8 - Improving the environment, PSHE/Citizenship

## Y1, Y2 MATERIALS

A 'rubbish' feelie bag allows children to explore the properties of materials before deciding whether they should be put in the bin, recycled or reused. Moving around the classroom, they act out the recycling of a can before making a fridge magnet to take home.

Links to: 1C Sorting and using materials, 2D Grouping and changing materials



## KS2 LITTER IN THE ENVIRONMENT

Pupils are given the chance to explore the local environment and learn about the effects of litter on wildlife, humans and our countryside.

Links to: Geography 8 - Improving the environment, PSHE/ Citizenship

## KS2 RECYCLING AT HOME GAME

The perfect way to learn about local recycling collections. In the hall, pupils compete in teams to sort pictures into the correct recycling container. Bonus points are awarded for team work, and for suggesting ways of reducing and reusing objects that cannot currently be recycled.

Links to: Geography 8 Improving the Environment, PSHE / Citizenship

## KS2 3Rs HOUSE

How can we all do our bit to make less rubbish at home? Pupils use group working skills and colourful images to build an environmentally friendly house. They discuss issues such as washable nappies, rechargeable batteries, and mending objects instead of throwing them away.

Links to: Geography 8 Improving the Environment, PSHE / Citizenship



## R, Y1 MINIBEASTS IN THE COMPOST BIN

An active session of movement and fun! Imagining the school hall as a huge compost bin, pupils are transformed into wiggling worms, scuttling centipedes and slimy snails.

Links particularly well with work on minibeasts / plants

## Y2, Y3 COMPOST AND GROWING PLANTS (March - July)

Pupils explore how minibeasts living in a compost bin help to recycle the nutrients in green waste. They plant a seedling in a reused pot and observe fresh compost teeming with minibeasts!

Links to: 2B Plants and animals in the local environment, 3B Helping plants grow well

## Y4, Y5, Y6 THE COMPOST BIN HABITAT (March - July)

Y4/5: Learn about the compost bin habitat, and meet the herbivores and carnivores that are adapted to this fascinating environment. Having observed live minibeasts fresh from the compost bin, pupils use pictures to build up food chains.

Links to: 4B Habitats (6B Micro-organisms)



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## RESOURCE FUTURES

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Resource Futures have been delivering the Waste Education Programme in Devon since September 2008, building on previous Waste Education work in the county. In the two years of the project 99% of Devon teachers rated our assemblies and workshops as 'good' or 'excellent'. Typical comments are:

*"The work of Resource Futures has been invaluable in helping the whole school to stay focused on reducing waste. Teachers and assistants have appreciated the opportunities to work collaboratively with reliable and high calibre staff."* St Andrew's C of E Primary School, Buckland Monachorum

*"All the children really enjoyed themselves and learned a lot. They were all very excited about telling their parents all that they had heard and done."* Two Moors Primary School, Tiverton

*"Pitched at the right level, both for the age and prior knowledge of the children. Very accommodating for the needs of the school."* Sticklepath Primary School

## DEVON COUNTY COUNCIL

Contact Heidi Diepold to arrange **visits to landfill sites, composting sites and recycling facilities.**

heidi.diepold@devon.gov.uk 01392 382920



## YOUR LOCAL DISTRICT COUNCIL

Contact your local District Council directly for advice on the practicalities of setting up or improving your recycling system in school.

Exeter:	01392 665028	Plymouth:	01752 304689
South Hams:	01803 861199	East Devon:	01395 517528
Teignbridge:	01626 215824	Torridge:	01237 428734
Torbay:	01803 207744	Mid Devon:	01884 233102
West Devon:	01822 813570	North Devon:	01271 318517

[www.recycledevon.org](http://www.recycledevon.org)

## YOUR WASTE EDUCATION OFFICER

For further details or to make a booking for the Waste Education Programme contact:



**Demelza Annison** if your school is in South Hams, Teignbridge, Torbay or Plymouth.

demelza.annison@resourcefutures.co.uk 07944 791971



**Emma Donne** if your school is in East Devon, Torridge or Exeter.

emma.donne@resourcefutures.co.uk 07903 868263



**Sarah Connors** if your school is in Mid Devon, North Devon or West Devon.

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07903 037462



The Devon Waste Education Project is funded by Devon County Council

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