



resourcefutures

Waste Education

Reduce Reuse Recycle

Resource Futures offers a **FREE** Waste Education Programme to Devon Schools, funded by Devon County Council. Our experienced Waste Education Officers will help your school to REDUCE, REUSE and RECYCLE as much as possible, and motivate pupils and teachers to spread the 3Rs message to their families and friends.

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. Learning about 'rubbish' is the perfect way to engage pupils with environmental sustainability. Having learnt about the issues, each child can take action immediately, at home and school.

WHAT DO WE OFFER SCHOOLS?

WASTE AUDITS

We will support your pupils to investigate the rubbish produced by your school in a day, an eye opening and hands-on introduction to reducing your school's waste.

WORKSHOPS

We offer a wide range of 3Rs workshops, developed by qualified primary teachers (see pages 2 and 3). 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 a Science or Environment week.



ASSEMBLIES

We deliver a range of assemblies on 3Rs topics, tailored to your school's needs.

ADVICE

We will support you in setting up or improving compost and recycling systems, working closely with different members of the school community, and linking with local and national initiatives.

VISITS TO LANDFILL SITES, COMPOSTING PLANTS AND RECYCLING FACILITIES

See page 4

All our support is **FREE** to schools

Don't let Devon go to waste

WASTE EDUCATION PROGRAMME 2011/12

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



WASTE AUDITS

If you are just beginning to address waste issues, we will run a **waste audit** with the children to analyse what you are throwing away. This usually takes a full morning, and can be done with a whole class or an Eco Group.

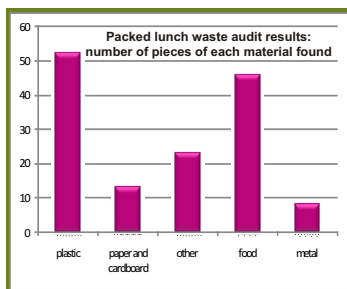
Having established which materials are in your school bins, we will involve pupils in formulating an **action plan** to reduce your school's waste. This process can be repeated annually to ensure that waste reduction becomes embedded in the life of the school. **Don't forget to book your second waste audit to see if your action plan has been successful!**

Waste audits contain cross-curricular learning opportunities for children from Y2 to Y6 including Geography, Maths and ICT.



CURRICULUM-LINKED WORKSHOPS

Resource Futures' curriculum-linked workshops have been developed 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 family discussion.



Y2, KS2

PAPER AUDIT

How well is your school's recycling system working? Pupils sort the contents of your recycling containers to find out if there is significant contamination, and investigate whether the paper you are recycling has been used on both sides.

For curriculum links, see waste audit above

Y2, KS2

PACKED LUNCH WASTE AUDIT

A hands-on investigation of the waste created by children's packed lunches. After sorting the waste into different categories and weighing it, pupils discuss how they and their families can reduce the amount of

rubbish generated by packed lunches. *NB This workshop needs to take place during the afternoon.*

For curriculum links, see waste audit above

KS2

LITTER IN THE ENVIRONMENT

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

Links to PSHE work on discussing issues affecting society

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 work on improving the environment



KS2 SCRAPMAN LITERACY RESOURCES

Ask about borrowing Scrapman, a complete learning resource for a KS2 literacy unit of work, including an imposing 5ft model loved by children! Perfect for themed weeks on waste or the environment. (subject to availability)



**NEW**

KS1 WASTE ELECTRICAL WHEELS

A 3D block graph allows the children to think about how many electrical items they use every day, and where these go when they are thrown away. Children then make a 'waste electrical wheel' which they can take home, with lots of interesting facts and practical advice to share with their families. [Links to maths work on data handling](#)

KS2 BATTERIES AND ALTERNATIVE CIRCUITS

**NEW**

A chance to look at how batteries work, including making their own circuit and investigating ways of creating electricity in the same way as batteries do, but using fruit! Children are given the opportunity to explore the environmental impact of batteries, and how to reduce, reuse and recycle batteries, including what makes rechargeable batteries work in a different way.

[Links to Science work on Electricity, geography](#)

Y1, Y2 MIGHT BE USEFUL

Stan works at the dump making 'useful things' out of other people's rubbish. Using illustrations from the book as a stimulus and fantastic recycled musical instruments, pupils compose and perform a musical narration to Stan's story.

[Links to Music work on choosing and organising sounds and musical ideas](#)

Y1, Y2 PLASTIC ELEPHANTS

Children learn about the symbols used to label the different types of plastic and compare their properties, before finding out which plastics can be recycled in their local area. To help them remember this important message and share it with their families, pupils make an elephant out of a reused plastic milk bottle and decorate it with reused materials.

NB plastic bottles are not provided and should be brought to school by pupils.

[Links to KS1 Science work on sorting, using and changing materials](#)

KS1 or KS2 VICTORIAN TOYS

How are the toys we play with today different from those of the past? Using the school hall, pupils explore replica Victorian toys, many of which are made from reused materials. They discuss the importance of caring for toys so they do not break, mending them and reusing them. KS2 children also look at how the contents of our bins has changed since Victorian times.

[Links to History work on identifying differences between ways of life at different times](#)

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 KS1 Science work on sorting, using and changing materials](#)

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 to KUW work on minibeasts and plants](#)

Y2, Y3 COMPOST AND GROWING PLANTS (March to July)

Pupils explore how minibeasts living in a compost bin help to recycle the nutrients in green waste.

They plant a seed in a reused pot and observe fresh compost teeming with minibeasts!

[Links to Science work on plants and minibeasts](#)

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

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 Science work on habitats and food chains](#)

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 work on improving the environment](#)

KS2 3Rs HOUSE

Particularly suitable for older KS2 classes, this session focuses on reducing and reusing, as well as recycling. Pupils use group working skills and colourful images to consider how they and their families can generate less waste, discussing issues such as packaging, washable nappies and rechargeable batteries. [Links to Geography work on improving the environment](#)

RESOURCE FUTURES



Resource Futures have been delivering the Waste Education Programme in Devon since September 2008. In the 2010/11 school year 100% of Devon teachers rated our assemblies and workshops as 'good' or 'excellent'. Typical comments are:

"A fantastic morning, with engaging, age-appropriate activities, excellently delivered. Thank you!" High Bickington Primary, Umberleigh

"Resource Futures has been, and still is, an important part of our green flag Eco-Schools status. Children have really taken the 3Rs on board at school and at home. It is embedded into everyday school life and the workshops have a fantastic impact on the children's education." Holsworthy Primary School, Torridge

DEVON COUNTY COUNCIL



Experience the sights, sounds and smells of waste management.

Contact Heidi Diepold to arrange a visit to a landfill site, composting site and recycling centre.
heidi.diepold@devon.gov.uk 01392 382920.



www.recycledevon.org/kidszone

A Devon based website for teachers and pupils to learn about waste and recycling.

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 665027
South Hams: 01803 861199
Teignbridge: 01626 215824
Torbay: 01803 207744
West Devon: 01822 813570

Plymouth: 01752 66800
East Devon: 01395 517528
Torridge: 01237 428734
Mid Devon: 01884 233102
North Devon: 01271 318517

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 Teignbridge, Torridge or Plymouth
demelza.annison@resourcefutures.co.uk
07827 932269

Alex Mack if your school is in West Devon or South Hams
alex.mack@resourcefutures.co.uk
07944 791971



Emma Donne if your school is in East Devon or Exeter
emma.donne@resourcefutures.co.uk
07903 868263

Sally Jackson if your school is in Mid or North Devon
sally.jackson@resourcefutures.co.uk
07903 037462



For **general enquiries** contact
waste.education@resourcefutures.co.uk 07903 868263

The Devon Waste Education Project is funded by Devon County Council

