

Environmental resources for schools



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If you are unable to read this document because of disability or language please call the Kingston Council Helpline on **020 8547 5560** or ask someone to call on your behalf.

Introduction

Thinking about the environment in your school not only integrates a new, current and topical subject into your curriculum, but it can also save your school money. Savings can be made through less energy and water usage, less waste production; and also by reusing products you may even cut down the amount of resources you need to buy in the first place.

It also provides pupils with an opportunity to enjoy the outdoors through gardening and conservation, as well as the potential to grow their own vegetables and eat more healthily.

As well as the benefit to your schools, you will also be playing a vital role in protecting Kingston's environment for present and for future generations. Children and young adults can make a huge difference, not only through their own activities, but also with their influence over adults through peer power. The more informed and engaged they are about environmental issues, the more their parents and guardians will be.

Kingston currently faces many challenges in the way it manages its environment, not only because

of pressures from government but also from real issues in the local and global environment.

At Kingston Council, our vision is:

“ To improve the quality of the local and global environment by delivering a coordinated programme of projects that increases the environmental awareness and influences behaviours of the Kingston community, and provide professional support and expertise. ”

In order to ensure the Kingston community is aware of these issues, Kingston Council produced an Environmental Awareness Strategy in 2006 to consolidate and realise the environmentally-related long term objectives of the Council's Policy Programme,



Member Priorities, the Community Plan and Waste Strategy.

Schools in the Borough are already demonstrating a real commitment to tackling environmental issues and we at Kingston Council hope that this environmental resource booklet will provide you with the information and contacts to help you join in our quest to improve the quality of the local and global environment and realise the many diverse benefits in doing so.

If you require further assistance, call or email the Customer Care Team at Kingston Council on **0208 547 5560**, email environment@rbk.kingston.gov.uk

Litter and local environment quality

Help keep your school grounds tidy and **protect** the environment and wildlife from unnecessary litter.



EnCams

- www.encams.org (formerly the Tidy Britain Group) run issue raising media campaigns and provide advice about environmental issues in Britain

Resources for Pupils (Infant & Primary)

- www.encams.org/funzone/index.asp
Can Tidyman get it all in the bin and save the lady? Try playing a fun computer game about putting litter where it belongs

Resources for Teachers

- www.encams.org/publications/index.asp
This page includes the recent U rated poster advertising campaign. You can order copies of the poster, which could be displayed in schools or used as examples to help students design their own posters.



 **Downloadable information**

Waste and recycling

Each year residents in the Royal Borough of Kingston upon Thames produce over 80,000 tonnes of rubbish, most of which is sent to a landfill over 100 miles away. Over 80% of the waste we produce could be recycled or composted but currently only 24% is. Help us to increase this number by reducing the amount of waste you generate and recycling what you do produce.

Kingston Council

- www.kingston.gov.uk
Information regarding reducing, reusing and recycling in the Borough. Also contact Customer Care to find out about materials that your school can recycle on **0208 547 5560** email environment@rbk.kingston.gov.uk

Recycle Zone

- www.recyclezone.org.uk
Free interactive site filled with loads of waste related games and online activities, as well as information for teachers on reducing, reusing and recycling at your school.

Resources for Pupils (Infant and Primary mainly)

- www.recyclezone.org.uk/home_fz.aspx
This is the Fun Zone where children can play waste related games
- www.recyclezone.org.uk/home_az.aspx
The Activity Zone includes things to do which make use of rubbish or other types of waste.



Over 80% of the waste we produce in Kingston could be recycled or composted but currently only 24% is.



Waste and recycling

Resources for Teachers

- www.recyclezone.org.uk/home_tz.aspx
The Teacher Zone - resources, publications and activities you can get your school to do about waste.
- www.recyclenow.com/fun_stuff/recycler/index.html
Recycler Zone - demonstrates the benefits of a visit from Recycler the robot and follow up work.

Waste Watch

- www.wastewatch.org.uk
This organisation runs the recycle zone site (see above). The site gives an overview of all their work with schools and is filled with free waste related resources for the classroom.

Resources for Teachers (all schools)

- www.wastewatch.org.uk/education/infopacks.aspx
Where teachers can download free information packs, which include activity cards and teacher handbooks.

The Recycling Consortium

- www.recyclingconsortium.org.uk
The Recycling Consortium promotes ways to reduce, re-use, recycle and compost.

- www.recyclingconsortium.org.uk/primary/index.htm
Resources and activities on the 3R's and composting for primary schools.

Resources for Teachers

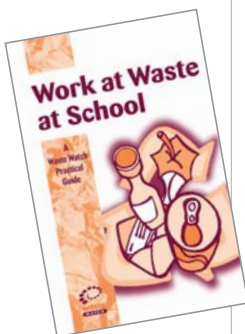
- www.recyclingconsortium.org.uk/primary/activity.htm
The Teacher Zone - resources, publications and activities you can get your school to do about waste.
- www.recyclingconsortium.org.uk/primary/info/menu.htm
Explains about rubbish and recycling in an easy to understand way, and has some good fact sheets.

Garden Organic

The Henry Doubleday Research Association

- www.hdra.org.uk
Organic Gardens for Schools - fantastic site with lots of advice and weekly activities for teachers and pupils on organic gardening and composting, please explore.
- www.gardenorganic.org.uk/schools_organic_network
Contains advice, resources, activities, learning zone, National Curriculum links and much more

Downloadable information



Recycle for London

- www.recycleforlondon.com
Site dedicated to making it easier to recycle, with borough recycling information as well as a list of recycling services in your area.
- www.recycleforlondon.com/recycle_more/index.cfm
The how, what, when, where and why of recycling more.
- www.recycleforlondon.com/media_centre/index.cfm
Media pages relating to boroughs that have taken celebrities on board to help recycle more. Also loads of other information about recycling and projects.

London Remade

- www.londonremade.com
Advice on recycling and recycled products, and information on the Mayor's Green Procurement Code.
- www.londonremade.com/how_recycle.asp
Advice on how to recycle waste.
- www.londonremade.com/mgpc.asp
Explains the Mayor's Green Procurement Code and provides advice on how organisations can become greener.

Capital Waste Facts

- www.capitalwastefacts.com
Facts and statistics about waste Londonwide and by authority.

Apsley Paper Trail

- www.thepapertrail.org.uk
See a working paper mill in progress and learn how your paper is recycled. The mill offers full educational tours.



Londoners produce 3.4 million tonnes of rubbish a year, which is enough to fill Canary Wharf tower every 10 days.



Learn the importance of conserving water and practical measures your school can undertake using these useful resources.

Water

Water conservation is becoming increasingly important as water shortages threaten wildlife, plants and trees in the local area. Water shortages are also a global problem with 40% of the world's population living with drinking water shortages. Learn the importance of conserving water and practical measures your school can undertake using the following resources.

Water in Schools

- www.waterinschools.com
Teachers: Thames Water's dedicated education website – curriculum information, resources to order and fact files.

Waterwise

- www.thames-water.com/waterwise
How to be water wise - includes information on water conservation, games, and an online ordering service for free comics, water saving devices and activities based around water conservation.

Resources for Pupils (all schools)

- The Pupils section has heaps of 'kid-friendly' information in the form of three educational games and activities, as well as information for teachers.

Resources for Teachers

- The whole site is useful but the Business section will help you save the school money by saving water and the Free Stuff section allows you to order practical water saving devices and information.

The Water Family

Resources for Pupils

- www.thewaterfamily.co.uk
Pupils: Excellent online water conservation game – have fun while you help a family cut down on the water they use in the home and garden.

Water in the School

Resources for Teachers

- www.waterintheschool.co.uk
Download section of the site where software, animations, models and case studies can be downloaded.

London Wetland Centre (Barnes)

- www.wwt.org.uk
Pre-booked free educational parties

scheme funded by the Mayor of London. Here you can find out how important a wetland is for biodiversity and habitats for wildlife.

Resources for Pupils (Primary)

- www.wwtlearn.org.uk/index0.html
WWTlearn - learn from the world's wetlands. A one-stop educational site. An interactive area filled with games and learn as you play sections, solely for Pupils.





Water



WaterAid

- www.wateraid.org
WaterAid is dedicated exclusively to the provision of safe domestic water, sanitation and hygiene education to the world's poorest people.

Resources for Pupils (Primary)

- www.wateraid.org/international/learn_zone
Pupils can learn about the importance of clean water and play games in their own Under 11 area.

Resources for Teachers

- www.wateraid.org/uk/learn_zone/teachers
WaterAid has a variety of exciting and interesting resources for the classroom. They can be used to teach a wide range of subjects from English and Maths to Geography and ICT.

Thames 21

- www.thames21.org.uk
Information on improving the cleanliness of London's rivers and canals.

Thames Water

- www.thames-water.com
Information about Thames Water's Biodiversity Action Plan.



Climate Change and Energy

Greenhouse gases, such as carbon dioxide, occur naturally in our atmosphere, and are essential for keeping the planet warm. However, the huge increase in man-made greenhouse gases has meant that the planet is warming up to unnatural temperatures, leading to rising sea levels and unstable climatic conditions.

Energy consumption is polluting, releasing carbon dioxide into the atmosphere, and it also costs your school money. According to the carbon trust, your school could save up to 20% of energy costs by implementing cost-free, easy, energy-saving measures. Learn how using energy more efficiently can help your school save money

Carbon Trust

- www.thecarbontrust.co.uk - Look for the following free publications to help you reduce energy consumption:
 - GPG343** - Saving Energy a whole approach
 - GIL115** - Lighting in Schools

GIL116 - Information communication and technology equipment in schools

GIL117 - Curriculum-based electrical equipment in schools

GPG057 - Conducting an energy walk-round of a school

GPCS101 - How to reduce energy costs in schools by implementing simple energy efficiency measures

Centre for Sustainable Energy

- www.cse.org.uk
Improving the understanding of the environmental and social issues associated with energy. Contains guidance and support for teachers



Your schools could save up to 20% of energy costs by implementing cost-free, easy, energy-saving measures



Energy



Create

- www.create.org.uk
CREATE motivates and educates people in schools to achieve more sustainable uses of energy and reduce carbon emissions.

Resources for Pupils (all schools)

- www.create.org.uk/schools/kidszone.asp
Information and games links, for children.

Resources for Teachers

- www.create.org.uk/schools/teachers_default.asp
Teachers zone - to download information on lessons and activities.

Energy Savings Trust

- www.est.org.uk
Energy Savings Trust - promoting energy efficiency, by providing information on home and renewable energy.

Electricity in Education

- www.edfenergy.com
EDF Energy are committed to increasing the awareness of young people to the dangers and wonders associated with electricity.

Resources for Pupils (Primary)

- www.edfenergy.com/powerup
Cellidric and his cat Edison are here to tell pupils about electricity and how to use it safely. Click on the sections and visit their magical world to learn more about the wonders of electricity.

Resources for Teachers

- www.edfenergy.com/powerup/parents_teachers/index.html
Working closely with teachers, their Networking in Education Advisers and resources bring the National Curriculum to life. Focusing on safety and electricity in the home, and enabling children to appreciate how electricity makes familiar things work.

Transport

Choosing alternative forms of transport to the private car can have excellent health benefits as well as being cleaner and greener and helping to reduce congestion on our roads. There are many resources available, from walking buses for younger pupils to oyster cards for public transport use for teenagers. Find out more using these resources.

Kingston Council

- The Road Safety & Travel Awareness Team have many activities and resources designed to encourage pupils to use cleaner and greener forms of transport – contact The School Travel Plan Officer on **0208 547 5992**

TfL

- www.tfl.gov.uk/schoolparty
Transport for London School Party Travel Scheme – free educational trips for schools on London Transport.

Sustrans

- www.sustrans.org.uk
Sustrans is the UK's leading sustainable transport charity, working on practical projects so people can choose to travel in ways that benefit their health and the environment.
- www.areyouachampion.org.uk/
Sustrans Champions site. Lots of useful information about the benefits of cycling and walking to school, the role of Champions, how to become a Champion.

Transport

Green your travel using these resources.

Transport



Resources for Pupils (all schools)

- www.areyouachampion.org.uk/school.html
Top Tips for pupils.

Resources for Teachers

- www.areyouachampion.org.uk/teacher.html
Top Tips for Teachers.
- www.areyouachampion.org.uk/resources.html
10 useful travel information sheets for download.

Safe Routes to Schools

- www.saferoutestoschools.org.uk
Information on school travel plans and safe routes to school.

Resources for Pupils

- www.saferoutestoschools.org.uk/index.php?f=pupil.htm
There's no Safe Routes to Schools without you!

Travelwise

- www.travelwise.org.uk
The organisation for all your sustainable travel needs.
- www.travelwise.org.uk/default.asp?p=14
Information on school travel plans.

Walk to School

- www.walktoschool.org.uk
This site provides all of the latest news, downloadable resources and campaigning tools for the Walk to School Campaign.

Resources for Pupils

- www.walktoschool.org.uk/content/for_pupils.php
Some fun facts about walking.

Resources for Teachers

- www.walktoschool.org.uk/content/for_schools.php
You will find lots of useful ideas for the classroom which look at children's school journeys, their health and the local environment.



Biodiversity

Your school can be a haven for wildlife, helping to increase biodiversity as well as providing excellent educational opportunities. Find out how to attract wildlife to your school grounds and also learn more about biodiversity using these resources.

Wildweb

- www.london.gov.uk/wildweb
The Wildweb site opens up the capital's green spaces to Londoners, giving details of 140 of London's most important wildlife sites.

Natural England

- www.naturalengland.org.uk
English Nature - information on wildlife conservation and a list of local reserves.

Resources for Teachers

- www.english-nature.org.uk/science/nature_for_schools
Designed for teachers, with national curriculum based lesson ideas for free download.

London Wildlife Trust

- www.wildlondon.org.uk
London Wildlife Trust - gateway to the natural wonders of our Capital. Use this site to find out more about urban wildlife and green spaces.

Resources for Pupils

- www.wildlondon.org.uk/kids_club.php
If you're interested in wildlife you could join Wildlife Watch, the action club for young environmentalists (8-14 year-olds).
- www.wildlondon.org.uk/stag_beetle.php
The stag beetle is Britain's largest beetle, but its numbers are falling across the whole of Europe. See how you can help conserve the future of this protected species.



Your school can be a haven for wildlife.



Biodiversity

RSPB

- www.rspb.org
The RSPB is the UK charity working to secure a healthy environment for birds and wildlife - information about bird watching and bird habitats.

Resources for Pupils

- www.rspb.org/youth/index.asp
Things to make, games to play and lots to discover about birds and wildlife.

Resources for Teachers

- www.rspb.org/youth/learn/index.asp
Help with school projects on Birds.

Ground Work

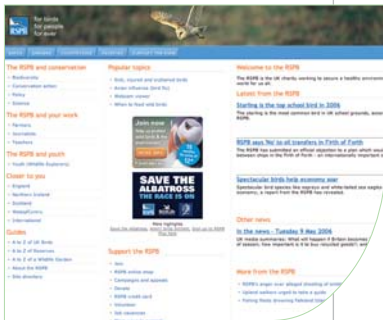
- www.groundwork.org.uk
Offer help with school grounds development projects.

Resources for Teachers

- www.youth-works.com/home.html
Youth Works provides young people growing up in disadvantaged neighbourhoods with the skills and opportunities to develop their personal skills to reduce crime and improve their social, physical and economic environments.

Learning through landscapes

- www.ltl.org.uk
Learning Through Landscapes provide assistance on improving school grounds.



Federation of City Farms and Community Gardens

Resources for Teachers

- www.farmgarden.org.uk
Select the "Our Work Across the UK" link and then select London - this page contains a list of members and educational organisations across London. London pages for the FCFCG website - contains a list of members and educational organisations.
- www.farmgarden.org.uk/Documents/London%20Map.pdf
Download a map of where to find London's city farms and community gardens.

DfES Growing Schools programme

- www.teachernet.gov.uk/growingschools
DfES Growing Schools programme aims to reconnect young people with their environment, in both urban and rural settings, through the National Curriculum - includes the Great Vegetable Challenge.





General resources & initiatives

Eco-Schools

- www.eco-schools.org.uk
National awards programme run by Encams. Allows you to manage and promote environmental issues in your school over time.

London Schools Environment Award

- www.london.gov.uk/mayor/education/lsea/index.jsp
Open to all London's primary schools, set up in 2003 to develop children's sense of responsibility for their environment. Each year prizes are awarded to two schools in each of the 33 London boroughs - 66 prizes in total!

Kingston Council

- www.kingston.gov.uk/environment_and_schools
To find out what's going on with schools in your local area as well as a downloadable version of this document.

Global Action Plan

- www.globalactionplan.org.uk
Global Action Plan is an environmental charity teaching people to make practical lifestyle changes. Contains pupils game area and information on school initiatives.

World Wildlife Fund

- www.wwflearning.org.uk
World Wildlife Fund's UK Website for schools.
- www.wwflearning.org.uk/wwflearning-home/teachingandlearning
A WWF-UK 'Teaching and Learning' project for UK primary schools focusing on consumption and ecological footprints - planning advice, resources and a collection of stories and worksheets for pupils.

London Environmental Education Forum

- www.leef.org.uk
Membership organisation to promote and champion the delivery of environmental education.

Resources for Teachers

- www.leef.org.uk/articles
LEEF articles on environmental education.

London Zoo

- www.londonzoo.com
London Zoo - Living conservation.
- www.zsl.org/discovery-and-learning/schools
Discovery and learning section for schools - free educational visits for state school parties, scheme funded by the Mayor of London.

Royal Botanic Kew Gardens

- www.rbgekew.org.uk
World leader in biodiversity work; offers pre-booked free visits for school parties.

Resources for Pupils (Infant and Primary)

- www.rbgekew.org.uk/climbersandcreepers/home.html
Climbers and Creepers for ages 3-6 years.

Resources for Teachers

- www.rbgekew.org.uk/education/schoolsed.html
Schools area.

National History Museum

- www.nhm.ac.uk
National History Museum – resources on UK biodiversity, including interactive games.

Best things for Pupils

- www.nhm.ac.uk/kids-only/index.html
Pupils only site with games and information on the natural world.

Best things for Teachers

- www.nhm.ac.uk/education/activities/school-activities/index.html
Schools programme and info on planning a visit.

Humanities Education Centre

- www.globalfootprints.org
Humanities Education Centre – activities for primary schools to take steps towards sustainable development.

Religious Education and Environment Programme

- www.reep.org.uk
Religious Education and Environment Programme – primarily a faith-based approach to environment and sustainable development.

Fairtrade

- www.kingstonfairtrade.org.uk
Kingston became a Fairtrade Borough in March 2005. Find out about how your school can get involved or even become a Fairtrade school.

Eco Footprint

- www.kingston.gov.uk/eco_footprint.htm
Find out how to reduce your schools ecological footprint, or the resources your schools consumes, using this simple guide.

Sustainable Schools A-Z Directory

- www.teachernet.gov.uk/sustainableschools/library/library_atoz.cfm
To view details of public, private and voluntary sector bodies and organisations working on sustainable development, many are included in this booklet but more can be found on the website.



