

Edina Trust

Oxfordshire Science Resource List

The Edina Trust has gathered a list of resources based on the science projects we have supported during our three year science grant scheme in Oxfordshire. We hope the resource list is a useful reference guide for teachers.

The following lists are companies that schools either used or considered using as part of their science projects. The Edina Trust can't comment on the suitability of these companies although we do hope to eventually populate our website with feedback from teachers and pupils.

SCIENCE VENUES TO VISIT:

Local

Name	Contact Details	Description
Oxford University Natural History Museum	www.oum.ox.ac.uk	The education team, made up of fully qualified teachers, have designed a range of fun hands on sessions, workshops and study days for all key stages. The sessions are available for free to all schools. Topics covered include: dinosaurs, rocks and minerals, animal adaptations, and materials and their properties.
Oxford University Botanical gardens	http://www.botanic-garden.ox.ac.uk/Education/obg-education-primary-1.html	The Botanical Gardens have a range of activities which cater for primary schools, including a 5 senses tour, green inspectors challenge, plant adaptations session, the waste free lunch challenge and more.
Oxford University Harcourt Arboretum	http://www.botanic-garden.ox.ac.uk/Harcourt/obg-harcourt-primary-1.html	The Harcourt Arboretum's school programme introduces children to a wide variety of trees from around the world, and a number of different habitats. All the sessions are held outside and are based on the education of sustainable development. Topics include around the world, habitats and the cycles of life.

Wildlife Trust	http://www.bbowt.org.uk/content.asp?did=23503&level2id=5862&depth=1&rootid=5840 01865 775476	Educational programmes consistent with sustainable schools and the national curriculum. Education centres are located in Sutton Courtenay, near Didcot and Tring.
Little Wittenham Nature Reserve	01865 407792 www.northmoortrust.co.uk/home/countryside/nature_reserve	The Northmoor Trust Education Team prepare and run a day that combines both indoor and outdoor learning experiences linked to the topic of your choice. Topics include plants and places, hooray for habitats and materials.
Hurst Water Meadows, Dorchester on Thames	www.hurst-water-meadow.co.uk/	Hurst Learning Zone provides local schools free access to the meadow and, whenever possible, provide a volunteer to act as a guide. They also provide a teachers information pack to help plan visits.
The Living Rainforest, Newbury	www.livingrainforest.org/	The Living Rainforest is an indoor greenhouse with free ranging butterflies and birds, alongside plants and animals from across the globe. The centre offers an exciting interactive learning environment tailored to current curriculum requirements and specific needs. Four programmes are available including: amazing adaptations, edible forest, sustainable future and rainforest medicines.
Shotover Wildlife	www.shotover-wildlife.org.uk/ 01865 874423	Shotover Wildlife has experience of educating and entertaining students of all levels. This includes educational tours of wildlife habitats and interactive sessions in the field, generally associated with flowers and insects. There is also a “the wicked world of bees and wasps” interactive talk for primary school children.
Oxford University Pitt Rivers Museum	http://www.prm.ox.ac.uk/	Hands on workshops are available for primary schools, and the session is lead by an education officer. All of this is free.

Hill End Residential Centre	www.oxfordshire.gov.uk/hillend	A range of activities for outdoor learning for each age group. These include: Underwater Worlds, Animal Detectives, Minibeasts Safari, and Tree Trek.
-----------------------------	--	---

National

Name	Contact Details	Description
Science Museum London	www.sciencemuseum.org.uk/	Exhibitions, hands-on galleries and events covering a wide variety of science topics including chemistry and materials, energy, the environment, medicine and biology. Also includes the IMAX cinema.
London Zoo	http://www.zsl.org/zsl-london-zoo/ 02074496552	London Zoo runs a programme for schools and this provides a unique learning experience with inspiring animal exhibits. Topics include: African mini safari, lifecycles, minibeasts, endangered species, habitats and adaptations.
Imax theatre, Birmingham	www.thehumanbodyfilm.com or http://www.imax.ac/	The human body film is a detailed film looking at the biological processes in the human body, including organ systems, health, digestion and much more. The Imax cinema allows schools to choose which film they'd like, with all choices providing an exciting and interactive way of learning science.
Think Tank, Birmingham	www.thinktank.ac	Birmingham museum of science and discovery have various hands on displays and interactive environments. They run workshops and shows; topics include our amazing bodies, changing materials, forces and friction and many more.
Discovery Centre, Bracknell	www.bracknell-forest.gov.uk/lookout	Hands on interactive science and nature exhibition. Topics include: forces and movement, sound and communication, light and colour, body perception, and woodland and wildlife.
ZSL Whipsnade Zoo, Bedfordshire	01582 872 171 www.zsl.org/zsl-whipsnade-zoo/	Whipsnade Zoo runs a programme for schools. The opportunity to touch and talk is available. Topics include teeth and diets, habitats and 82

		Adaptations and investigating vertebrates.
The National History Museum	http://www.nhm.ac.uk/	Science shows including animal vision, rocks the house and the variety show. Also, science based workshops, hands on activities, and investigations. A wide range of topics including space, wildlife, and evolution. Also contains the new Darwin centre.

SHOWS, WORKSHOPS AND TALKS

Local

Name	Contact Details	Description
Proeducation Ltd	info@proeducation.co.uk www.proeducation.co.uk 0845 0680111	Science shows/workshops/staff training. Topics include: Dr Marks amazing magical science, the art of science, and mad materials.
Astronomy Road Show	http://www.astronomyroadshow.com/ 01795 420372 07779 411939 astroroadshow@blueyonder.co.uk	Mobile multimedia planetarium for all year groups, offering three different sized domes. Shows cover a range of topics including day and night, the sun, moon, craters, gravity, the solar system, meteors, space stations and black holes.
Rainforest Roadshow	Dave and Sue Shaw www.rainforestroadshow.co.uk dave@rainforestroadshow.co.uk	The Rainforest Roadshow aim to share the magic and encourage a greater understanding of the rainforest ecosystem. Includes presentations and workshops incorporating a range of artefacts and animals.
Oxford Trust Workshops Curiosity	http://www.scienceoxfordnext.com/for-primary-schools 01865 728953	Science and technology shows and workshops for Oxfordshire primary schools.
Mad Science	www.madscience.org 01923 286980	Unique, hands on science experiences for children that are entertaining as well as educational. Mad science provides a unique assortment of hands on programmes, live presentations, theatrical productions and innovative

		products.
Explorer Dome	www.explorerdome.co.uk	Dome Shows plus shows and workshops incorporating the national curriculum. Shows involve audience interaction and hands-on experiments to make science exciting, inspiring and easy to handle. Topics include space, forces, light, sound, the body, earth, creation, bubbles, matter and more.
Quantum Theatre	www.quantumtheatre.co.uk 020 8317 9000	Science themed plays., including: The big drip (materials) The starry messenger (Earth and Beyond) Octopushy (Forces)
Timezones	www.timezones.demon.co.uk 01452 313763	Interactive displays, with science topics including: mega mechanics, building blocks and robokids.
Ian Gourlay Forestry Talk	Ian.gourlay@plants.ox.ac.uk 01993 773921	Tree talk and demonstration
Gary the clown	http://www.garythec clown.co.uk garythec clown@clara.co.uk	Range of science topics presented in shows including: light fantastic, sound – good vibrations, materials and their properties – simply fizzical, forces – science of the circus and more.
North Moor Trust	www.northmoortrust.co.uk/home/learning/wild-waste-show	“The Wild Waste Show”: Interactive workshops lead by two experienced education officers. A choice of The Wild Waste bus visit or outreach programme class visit. Activities and workshops include recycling and the lunchbox challenge.
The Black Hole Planetarium	black.hole@ntlworld.com 01926 733440	A mobile planetarium which aims to enhance and amplify aspects of the national curriculum by use of various projection devices and visual aids.
Science Dome	http://www.sciencedome.co.uk/	Science dome is designed to explore science, geology and geography in an interactive way. The schools programme includes shows such as space exploration, earth and beyond, light and sound and solar system tour.

National

Name	Contact Details	Description
The Animal Man	www.theanimalman.co.uk	Lectures are illustrated with four wild animals; amphibian, reptile, bird and mammal. All animals are taken among the pupils for close visual appraisal and in most cases for handling. Information such a classification, world distribution, and relative rareness are given. Close links with the national curriculum.
Martin Rapley - The Big Bug Experience	www.thebugman.co.uk/index.cgi?page=2	A wow factor packed big bug science show. Features at least ten different bug species around the world.
The Big Bug Show	www.thebigbugshow.com 020 8302 7898	The Big Bug Show is a 50-60 minute interactive session featuring creatures such as: snails, cockroaches, millipedes and spiders
Zoolab	www.zoolabuk.com/	Curriculum based workshops for children. Hands on workshops featuring a variety of animals including snakes, tarantulas, lizards, scorpions and frogs. Zoolab has a network of fully qualified professional rangers.
The Science Museum Outreach Programme	http://www.sciencemuseum.org.uk/educators/we_visit_you.aspx	A variety of shows and workshops individually catering for different year groups and the curriculum requirements. Shows include: the bubble show, feel the force, glorious blood, and get a grip.

SCIENCE EQUIPMENT SUPPLIERS

Name	Contact Details	Description
Discovery Centre, Bracknell	www.bracknell-forest.gov.uk/lookout	Discovery boxes for hire
Oxford Trust	www.oxtrust.org.uk 01865 728953	Equipment Boxes for hire
GLS Science	www.glsed.co.uk/productsnew.aspx?tier1=SCIENCE	Educational supplies
The Consortium	www.theconsortium.co.uk/Products.aspx?cat=7045	Educational supplies
Data Harvest	data-harvest.co.uk/index.html	Specialist suppliers of datalogging and control systems for schools
Millgate House Education	www.millgatehouse.co.uk/products-publications.htm	Innovative materials which give direct support to classroom teachers. Includes science resources such as concept cartoons.
TTS Science	www.tts-group.co.uk/Catalogue.aspx?cid=13	Educational supplies
Philip Harris	www.philipharris.co.uk	Educational supplies
Educational Scientific Supplies	www.esupply.co.uk/	Educational supplies
Nes Arnold Supplies	www.nesarnold.co.uk	Educational supplies
Boxwatch	www.boxwatch.co.uk/	Bird box with a camera inside.
Bright Minds	www.brightminds.co.uk/	Educational supplies

Scientific and Chemical	www.scichem.com/primary.aspx	Educational supplies
Hope Education Ltd	www.hope-education.co.uk	Educational supplies

SCIENCE BOOKS

Author	Title	Description
Stuart Ball	Science Investigations KS2: Key Stage 2 (Ready to Go)	Activity ideas to meet specific learning objectives
Douglas Newton	Teaching Tricky Science Concepts (Scholastic Teacher Bookshop)	This book provides a path to understanding particular concepts in science.
Lynne Kepler	Windowsill Science Ages 5-7 Years (Scholastic Teacher Bookshop)	Turn your classroom windowsill into the perfect lab for easy-to-do science investigations
Sophie Duncan, Alice Bell and Sam Nimmo	Little Book of Experiments	New ideas for teaching science in the classroom.
Jane Bingham and Christopher Rawson	The Usborne Book of Science Experiments (Usborne Kidkits)	Explores basic principles of physics, chemistry and biology, in a fun and practical way

WEBSITE SCIENCE RESOURCES

Author	Website	Description
Learning through Landscapes	www.ltl.org.uk/	Helps schools make the most of their outdoor spaces for play and learning.
Primary Upd8	www.primaryupd8.org.uk/	Makes science relevant using topicality.
Bristol City Council	www.bristol-cyps.org.uk/teaching/primary/science/examples.html	Examples of investigations

Planet Science	www.scienceyear.com/sciteach/start.html	Inspirational science in the classroom. Resources/information/ideas
BP Educational Resources	www.bp.com/subsection.do?categoryId=1032&contentId=7003990	Teaching resources are linked to all UK curricula and aim to enhance the learning process
The BA (British Association for the Advancement of Science)	www.the-ba.net/the-ba/	Science resources
Harcourt (Heinneman)	www.harcourt.co.uk/Primary/Science/Science.aspx	Resources for educators
Qualifications and Curriculum Authority	www.qca.org.uk/qca_8058.aspx	Information