

Internet Activities and Downloads

Cells Alive! <http://www.cellsalive.com/>

Zoom in on a pinhead to compare the size of a dust mite, red blood cell and even viruses. Clearly presented text provides explanations with smooth animations. There are numerous other interactive features on cells. (USA site, online activities).

Digital Oscilloscope <http://polly.phys.msu.su/~zeld/oscill.html>

This oscilloscope download can respond to the sounds picked up by your computer's speakers. It is simple to use and great for demonstrating sound waves and shapes.

Energy Chest <http://www.energychest.net/>

Numerous activities and information to support energy studies in schools, for students between 8 and 14 years old. The pages are brightly presented including pictures to explain the ideas and appliances. Practical activities are included in the *Activity Centre*.

Facts of life <http://www.factsoflife.org.uk/>

This website covers topics relating to growing up, including puberty, cells, food and variation. The pages are presented clearly with some interactive features, quizzes and detailed text information. Supportive worksheets are in the teacher section with the rest of the site being on line activities.

Frog Online dissection <http://www.froguts.com/>

A great chance to really view a virtual frog dissection! Clear images and interactive pages are included. The teacher section includes some useful pdf worksheets that could supplement the online activity. *Flash 6* is required for this to work. (USA site).

Glaxo SmithKline Active Science <http://www.activescience-gsk.com/home.cfm>

A range of brightly presented science modules for students between the ages of 5 to 14 years. Interactive pages and some downloads are featured.

Heart animation/teaching tool <http://www.new-media.co.uk/scienceyear/heart.asp>

This animation was produced by New Media Software and donated as part of Science Year. The animation shows the blood flowing through the heart and relates this to the ECG heart rate. It can be viewed online or downloaded.

Household danger

[http://www.bnfl.com/website.nsf/ffiles/LearningZone3/\\$file/LearningZone3_homedang.swf](http://www.bnfl.com/website.nsf/ffiles/LearningZone3/$file/LearningZone3_homedang.swf)

A clear and brightly presented spot the hazards type activity on the subject of electricity in the home. This may be of use with Primary classes or as a quick revision challenge for some classes starting Secondary science.

How Stuff Works <http://www.howstuffworks.com/>

As the title suggests, this site brings together a wide range of clear, brief articles with pictures, explaining how things work, ranging from CD players to roller coasters. Each article can be printed out. It is a useful website to discuss the science involved in everyday things that may be of interest to students. (USA site).

On Line Laboratory <http://www.greatbarr.bham.sch.uk/science/mm1.htm>

This contains numerous experiments and demonstrations arranged in the three areas of the science laboratory. The clear presentation and content of this science site is very accessible and worth exploring. This is part of the Great Barr School website.

Outside danger game

[http://www.bnfl.com/website.nsf/ffiles/LearningZone5/\\$file/outdang.swf](http://www.bnfl.com/website.nsf/ffiles/LearningZone5/$file/outdang.swf)

Spot the electricity hazard outdoors. Similar to the other electricity resource from BNFL, this has the same bright attractive presentation. It may be of use with Primary classes or as a quick revision challenge for some classes in Secondary science.

Paper aeroplanes <http://www.paperairplanes.co.uk/>

A collection of paper aeroplane designs with building instructions and diagrams. The designs could be used in investigation activities relating to forces and air resistance.

Pond explorer <http://www.naturegrid.org.uk/pondexplorer/pondexplorer.html>

A very thorough and clearly presented pond dipping experience. This site is created by the Canterbury Environmental Education Centre and includes teacher notes with numerous activity suggestions.

Powers of ten

<http://www.micro.magnet.fsu.edu/primer/java/scienceopticsu/powersof10/index.html>

Starting 10 million light years away from the Earth, this takes you on a journey through space towards the Earth in successive orders of magnitude. You reach a tree in Florida, but you can keep zooming in to look at DNA and finally electrons and protons. A very impressive visual source for discussions on scale.

Puzzle maker <http://puzzlemaker.school.discovery.com/>

A quick and easy way to create a variety of puzzles online.

Science Year Resources <http://www.sycd.co.uk/>

The ASE produced CD ROMs of resources as part of their contribution to Science Year. If you did not get the CDs this website allows you to access all the materials. There are numerous interactive resources and activities well worth exploring.

Space library <http://samadhi.jpl.nasa.gov/>

Sponsored by NASA this site contains information, simulators and maps all about space. Video clips and images can be downloaded. (USA site).

Sports Science and Engineering <http://www.sep.org.uk>

The resources section of the Science Enhancement Programme's website includes a number of interactive resources covering topics relating to sports science (including Formula 1 racing to teach forces and sports shoe design for activities on friction). These resources can be used online or downloaded.

Visible Earth <http://visibleearth.nasa.gov/>

A searchable collection of images and animations to do with the earth. These high quality pictures are free to use for educational purposes. This site is sponsored by NASA.