

RSC Chemistry for Non-specialists

Web-based resources

<http://www.rsc.org/education/>

The route to access RSC resources via the “Teachers” link.

<http://www.rsc.org/Education/Teachers/Resources/OnlineResourcesHome.asp>

The main Royal Society of Chemistry webpage for teaching resources. Can be accessed from a link in the above website. Contains links to many of the other resources below.

<http://www.rsc.org/Education/Teachers/Resources/jesei/>

Resources for teaching Earth Science, including notes for teachers and student worksheets. There is also material to help improve your own understanding of Earth Science and some stimulus material for students to help you put the ‘wow’ factor into your lessons.

<http://www.rsc.org/Education/Teachers/Resources/Alchemy/>

Short video clips, statistics, exercises and questions about 15 key industrial processes ranging from the manufacture of sulfuric acid to drug design.

http://www.rsc.org/Education/EiC/topics/Exhibition_chemistry.asp

Ideas for chemistry demonstrations to capture the students’ imaginations.

<http://www.rsc.org/Education/Teachers/Resources/VideoClips.asp>

Video clips of demonstrations with instructions, plus some clips to show to students.

<http://www.rsc.org/Education/Teachers/Resources/PeriodicTableOfData.asp>

A Periodic Table database with data about the elements that can be copied into other applications (such as Word, Excel *etc*).

<http://www.rsc.org/Education/Teachers/Resources/Inspirational/>

Resources for teaching chemistry in up-to-date contexts with teacher material and student worksheets.

<http://www.rsc.org/Education/Teachers/Resources/Anecdotes.asp>

This page gives a collection of anecdotes, stories and unusual facts that will be of use to chemistry teachers to enliven their lessons.

<http://www.rsc.org/Education/Teachers/Resources/Databook/>

Online version of a useful database

<http://www.rsc.org/Education/Teachers/Resources/Games.asp>

A selection of chemistry games for students including Oil strike, a game about the petroleum industry.

www.practicalchemistry.org

Good quality, appropriate chemistry experiments play a vital role in teaching and learning.

<http://www.chemit.co.uk>

This site makes available a range of ICT materials to support the teaching of chemistry across the 11-19 age range.

www.sep.org.uk

Science Enhancement Programme home page – you should join this scheme – it's free and entitles you to regular free resources as well as access to other novel resources which can be purchased very reasonably.

www.sciencelearningcentres.org.uk

The home page of the SLCs – access to details of many CPD and other courses for Science teachers

<http://www.teachers.tv/video/browser/1021>

Link to Secondary Science resources on Teachers' TV

www.periodicvideos.com

Fascinating videoclips from Nottingham University of elements. Introduced by Prof. Martin Poliakov (archetypal 'boffin' – just see that hair! Also brother of playwright Stephen Poliakov)

<http://www.whynotchemeng.com/uk-and-ireland/teachers/top-ten-flash-bang-demos>

Does what is says on the tin! Instructions and videos for 10 excellent demos

<http://www.triplescience.org.uk/tripsci/chemistry/>

A directory of lots of resources for teaching Triple Science – so Physics and Biology as well!

www.simplescience.net

A source of resources particularly useful for Primary Science

<http://www.privatehand.com/flash/elements.html>

An animation of the Element Song sung by Tom Lehrer (if you remember him you must be approaching my age!) the song continues to fascinate 50 years on and a number of transuranium elements have been discovered since but he does finish with the lines:

“These are the ones of which the news has come to Harvard,
There may be others but they haven’t been discovered!”

<http://www.youtube.com/watch?v=1R7Nilum2TI&feature=related>

A YouTube video clip of a song about the mole! Gives an idea of the magnitude of the number. Look at the other clips on the right hand side – some alternative animations of Tom Lehrer’s Elements song.

<http://www.chemguide.co.uk/igcse/chapters/chapterlist.html>

An online guide to resources useful for teaching GCSE/IGCSE. Produced to support Jim Clark’s book ‘Edexcel IGCSE Chemistry’

All links checked at 16 Sep 2010

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