

A-Level Chemistry Super Curricular Activities

Competitions	
The Unsung Heroes of Science Competition Video Competition – deadline 30 th April	

Taster Events and Online Webinars / Lectures/ Future Learn MOOCs	
23 rd June	Biological Sciences Taster Day - Royal Holloway, University of London. Join us for a day being a student. Lectures from our three research centres; Biomedical Sciences, Ecology, Evolution and Behaviour and Plant Molecular Sciences. Then a virtual lab and chat with some of our students
8 th July 4PM	Trinity Talks – Oxford University The Future of Plastics: Environmental Challenges and Everyday Life. Apply Online
Access Anytime	Future Learn MOOCs Exploring Everyday Chemistry Atmospheric Chemistry: Planets and Life Beyond Earth Discovering Science: Medicinal Chemistry Biochemistry with UEA
On Demand	University of Birmingham Online Masterclasses (You need to sign up to gain access for free) Chemistry in the kitchen Teaching old plastics new tricks
April 19th	University of Oxford – Chemistry Virtual Open Day See the Virtual Chemistry Taster Day Timetable . If you wish to attend this event, please book a place here .

Uni Frog Tasks

Read, Watch, Listen	Use this area to find Subject specific articles, films, TED Talks and books. Read, Watch, Listen on UniFrog
MOOCs	Use the MOOC function to search Chemistry online courses in a range of topics. There are 100+ MOOCs that you can start immediately in History. Chemistry MOOCs

Websites

[STEM](#) a range of cross curricular science activities for students of all ages that can be carried out at home.

[Science Museum](#)- learning resources and articles

[Educational Science games](#)

[In2 Science Programme UK](#) Placements for Year 12 students at companies or universities, meeting leading scientists online, completing activities and support for career planning.

<https://edu.rsc.org/resources/analysis>

A useful collection of resources focused on chemical analysis

[Maths resources for students intending to study Chemistry at university](#)

[Online Lectures in all subjects including Chemistry](#)

[online portal for engaging with scientific developments at Oxford University](#)

[The Oxford science blog](#)

Podcasts & Videos

[The Infinite monkey cage Podcast](#)

[Online Chemistry Podcasts](#)

[The Royal Society of Chemistry](#) Podcasts, videos from Chemistry World

[The periodic Table Podcast](#)

[Chemistry TED Talks](#) Choose from hundreds of Chemistry podcasts to choose from

[BBC Chemistry Documentaries](#)

[Chemistry MOOCs](#) Loads of online courses in Chemistry that you can complete.

[Videos from The Royal Society](#) You Tube

[Cambridge Lectures](#) Engaging series of online videos of lecture-demonstrations from Cambridge University's Chemistry.

Journals & Magazines

[Chemistry World](#) Chemistry Research articles and journals

[The Scientist Magazine](#) Science Articles and research

Additional Reading

[Staircase 12](#) see subject specific materials recommended by current undergraduates

[Introductory Material for undergraduate students](#)

Physical Chemistry, P W Atkins, Oxford University Press (8th edn.) 2006, [7th edn. 2001]
Inorganic Chemistry, Shriver and Atkins, Oxford University Press (4th edn) 2006,
(previous edn., 1999)
Chemistry of the Elements, Greenwood & Earnshaw, Pergamon (2nd edn.), 1997 [1st edn. 1985]
Foundations of Organic Chemistry, Hornby & Peach, Oxford Chemistry Primer, OUP, 1996
A Guide to Mechanism in Organic Chemistry, Sykes, Pearson (6th edn.), 1986
Organic Chemistry, Maitland, Jones, Norton, (3rd edn.) 2004
Mathematical Methods for Science Students, G. Stephenson, Pearson (2nd edn.) 1978, rep. 1984
Organic Chemistry, Clayden, Greeves, Warren and Wothers, OUP

[Good Reads: Chemistry](#) A list of popular chemistry books.

[Worcester College Bookshelf Project](#) designed to encourage the sharing and review of books that are enjoyed in each subject