

Year 9

Autumn term

Read the articles and complete the quiz to earn the topic badge.



<https://classroom.google.com/c/NTM4Njk3MjA1MTIa/m/NDQwMjczODg2NDY1/details>

Watch the video

Make a coin battery:

<https://teachbesideme.com/make-coin-battery/>



Complete the task.

Find out what happens to your household recycling and prepare a presentation to give to your class



Visit or explore their website

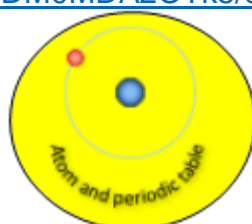
Dynamic Earth in Edinburgh
<https://www.dynamicearth.co.uk/>



Spring Term

Atom and Period table

<https://classroom.google.com/c/NjEyNDgwMTU4MTJa/m/NDQwNDM0MDA2OTk5/details>



Learn to sing the



Elements Song by Tom Lehrer

<https://www.youtube.com/watch?v=zGM-wSKFBpo>

Watch: The 2,400-year search for the atom.

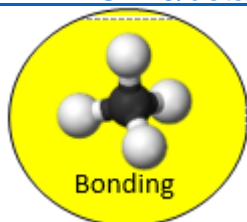
<https://www.youtube.com/watch?v=xazQRcSCRaY>

Summer Term

Read the articles and complete the quiz to earn the topic badge.

Bonding and Structure

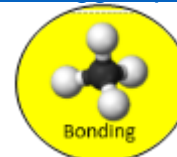
<https://classroom.google.com/c/NjEyNDgwMTU4MTJa/m/NDQwNDM1NTkzODk5/details>



Watch the video and have a go!

Make a 'silver' egg

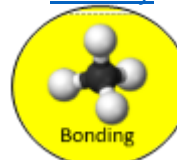
<http://www.housingaforest.com/silver-egg-experiment/>



Visit or explore their website

Visit the history of science museum oxford

<https://www.hsm.ox.ac.uk/chemistry>



Year 10

Autumn term

Read the articles and complete the quiz to earn the topic badge.

Quantitative Chemistry

<https://classroom.google.com/c/NjEyNDgwMTU4MTJa/m/NDQwNDM1NTk1NDA5/details>



Watch the video and have a go!

25 experiments in 15 minutes
https://www.youtube.com/watch?v=bOuEJf8Dr_4&t=3s

Visit or explore their website

Keep up to date with events and current affairs in chemistry by reading quality journalism such as: New Scientist magazine, news section:

<https://www.newscientist.com/section/news/>

Spring Term

Chemical Changes



<https://classroom.google.com/c/NjEyNDgwMTU4MTJa/m/NDQwNDU1NjE1MTM3/details>

Chemistry Review magazine



<https://my.dynamiclearning.co.uk/MyDynamicLearning.aspx>

Watch: 11 Fascinating Chemistry Experiments (Compilation) on YouTube.

<https://www.youtube.com/watch?v=8vyboVwyzfU>

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Energy in Reactions

<https://classroom.google.com/c/NjEyNDgwMTU4MTJa/m/NDQwNDU2NjE1ODA5/details>



Rates of Reaction



<https://classroom.google.com/c/NjEyNDgwMTU4MTJa/m/NDQwNDU5NjgyNjMz/details>

Watch the video

Ted Talk on Chemistry of Smartphones

https://www.ted.com/talks/cathy_mulzer_the_incredible_chemistry_powering_your_smartphone



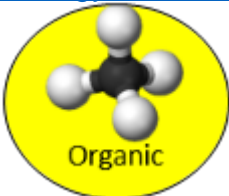

Visit or explore their website

Visit the museum or website of the catalyst museum Widnes <https://www.catalyst.org.uk/>





Year 11

Autumn term

<p>Read the articles and complete the quiz to earn the topic badge.</p> <p>Organic Chemistry https://classroom.google.com/c/NjEyNDgwMTU4MTJa/m/NDQwNDYwODgyODY2/details</p>  <p>Chemical analysis https://classroom.google.com/c/NjEyNDgwMTU4MTJa/m/NDQwNDYyMjl1MTM0/details</p> 	<p>Watch the video Cool Chemistry experiments https://www.youtube.com/watch?v=KNPoBoUt-HM</p> <p>Visit or explore their website Attend a lecture at the Royal Institution https://www.rigb.org/</p>
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Spring Term

<p>Atmosphere https://classroom.google.com/c/NjEyNDgwMTU4MTJa/m/NDQwNDY0MjA0NTM3/details</p> <p>Earth Resources. </p> <p>https://classroom.google.com/c/NjEyNDgwMTU4MTJa/m/NDQwNDY0Mzk5MTU4/details</p>	 <p>Chemistry podcasts & science storytelling -Chemistry World. https://www.chemistryworld.com/podcasts</p> <p>Look at recent Nobel prizes in chemistry and see how this research affects our everyday lives https://www.nobelprize.org/prize/s/chemistry</p>
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Summer Term