

SUPER-CURRICULAR ACTIVITIES

GCSE: Science – Chemistry Years 10 & 11

 Research an unknown scientist from the website given. Follow Link 1 (below)	 Using details of the required practicals found here, choose any one of them and attempt to write a similar method but exploring other variables. Follow Link 2 (below)	 Listening task. Follow Link 3 (below)
 Choose several ordinary items and explain what they are made of and how the bonding of that material helps the object to do its job.	 Listen to one of the blogs from the Science and Industry Museum, for example, about the world's first synthetic dye. Follow Link 4 and Link 5 (below)	 Read this article from the New Scientist magazine. Follow Link 6 (below)
 Watch these programmes through BBC iPlayer. Follow Link 7 (below) Follow Link 8 (below) Follow Link 9 (below)	 Explore the rest of the Periodic Table or listen to a podcast about an element. Follow Link 10 (below) Follow Link 11 (below)	 Dip into some chemistry news topics. Follow Link 12 (below)
 Listen to this BBC clip from the <i>Infinite Monkey Cage</i> . Follow Link 13 (below)	 Look at a group in the Periodic Table and predict the chemical and physical properties of a new previously undiscovered element to be placed at the bottom of that group.	
 Keep up your reading of science books. Follow Link 14 (below)	 Calculate your carbon footprint and make a plan of ways to reduce it Follow Link 15 (below)	 Make a virtual visit to the Science Museum and explore some of the objects and stories such as this. Follow Link 16 (below)

Links to websites used in this Super-Curricular GCSE Activities sheet:

Link 1: <https://www.sutori.com/story/history-of-the-periodic-table-timeline--BqQECxPomTF3kTiAdpVakBji>

Link 2: <https://www.revisechemistry.uk/GCSE/AQA/index.html>

Link 3: <https://www.bbc.co.uk/programmes/w3ct03bt>

Link 4: <https://www.scienceandindustrymuseum.org.uk/>

Link 5: <https://blog.scienceandindustrymuseum.org.uk/worlds-first-synthetic-dye/>

Link 6: <https://www.newscientist.com/article/mg24933180-600-were-running-out-of-lithium-for-batteries-can-we-use-salt-instead/>

Link 7: <https://www.bbc.co.uk/iplayer/episode/b00qjnqc/chemistry-a-volatile-history-3-the-power-of-the-elements>

Link 8: <https://www.bbc.co.uk/iplayer/episode/b00q2mk5/chemistry-a-volatile-history-1-discovering-the-elements>

Link 9: <https://www.bbc.co.uk/iplayer/episode/b00qck1t/chemistry-a-volatile-history-2-the-order-of-the-elements>

Link 10: <https://www.rsc.org/periodic-table>

	Reading task		Creative task		Watching task		Student-led task
	Research task		Writing task		Listening task		Trip or visit



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Link 11: <https://www.rsc.org/periodic-table/podcast>

Link 12: <https://www.sciencedaily.com/>

Link 13: <https://www.bbc.co.uk/programmes/m000rtyy>

Link 14: https://www.goodreads.com/list/show/13800.Chemistry_best_books

Link 15: <https://footprint.wwf.org.uk/>

Link 16: <https://www.sciencemuseum.org.uk/objects-and-stories/everyday-wonders/building-modern-world-concrete-and-our-environment>

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