



SUPER-CURRICULAR ACTIVITIES

Pre-GCSE: Science - Chemistry Year 9

 Thinking about practical skills. Follow Link 1 (below)	 Make a list of objects in your house made of one element alone, and a list of objects made of compounds.	 Making ice-cream. Follow Link 2 (below)
 Graph skills in science. Follow Link 3 (below)	 Dip into some chemistry news topics. Follow Link 4 (below)	 Chemistry under the sink. Look under the kitchen sink, with permission, at the range of different 'household cleaning products.' Look at their ingredients and look for similarities. Research some of the chemicals found on the labels.
 Getting ready for atomic structure. Follow Link 5 (below)	 Be inspired about achievements in chemistry for society through Nobel prize winners. Follow Link 6 (below)	 Give into your curiosity and explore the Periodic Table: Follow Link 7 (below) or Listen to a podcast about an element: Follow Link 8 (below)
 Joining atoms together to make molecules. Follow Link 9 (below)	 Help your parent or carer the next time they visit the local recycling centre. Take note of the different elements in the objects you are recycling.	 Consider the ways that you organise data, objects or things to do in your everyday life. See if you can organise and group some data in a table like the periodic table where going across the table has one set of information and down it another.
	 Take photos of methods used to separate mixtures in your household, explain how they work.	

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

Link 1: <https://www.bbc.co.uk/bitesize/guides/zh7sfcw/revision/1>

Link 2: <https://learning.sciencemuseumgroup.org.uk/wp-content/uploads/2019/02/SMG-Learning-Activities-Instant-Ice-Cream.pdf>

Link 3: <https://owlcation.com/stem/How-to-Draw-a-Scientific-Graph>

Link 4: <https://www.sciencedaily.com/>

Link 5: [BBC iPlayer - Chemistry: A Volatile History - 1. Discovering the Elements](#)

Link 6: <https://www.nobelprize.org/>

Link 7: <https://www.rsc.org/periodic-table>

Link 8: <https://www.rsc.org/periodic-table/podcast>

Link 9: <https://phet.colorado.edu/en/simulation/build-a-molecule>

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