

SUPER CURRICULAR OPPORTUNITIES

Subject	Pre GCSE/GCSE	GCSE Book/Broadcast /Competition	Post-16	Post-16 Book/Broadcast/Competition	Websites / Virtual Tours
Chemistry	<ul style="list-style-type: none"> • Make a list of objects in your house made of one element alone, and a list of objects made of compounds • Take photos of methods used to separate mixtures in your household, explain how they work. • 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 • Read about the Science of Ice-cream https://learning.sciencemuseumgroup.org.uk/wp-content/uploads/2019/02/SMG-Learning-Activities-Instant-Ice-Cream.pdf <p>Look at a group in the Periodic Table and predict the chemical and physical properties of a new previously undiscovered</p>	<p>Films:</p> <ul style="list-style-type: none"> •Dark Waters •Marie Curie <p>TED Talks: Ideas about Chemistry (ted.com)</p> <p>Books:</p> <ul style="list-style-type: none"> • The Disappearing Spoon: And Other True Tales of Madness, Love, and the History of the World from the Periodic Table of the Elements. • Periodic Tales: The Curious Lives of the Elements. • Napoleon's Buttons: How 17 Molecules Changed History. Stuff Matters: Exploring the Marvellous Materials That Shape Our Man-Made World. <p>Podcasts: The Periodic Table Periodic Table – Royal Society of Chemistry (rsc.org)</p>	<ul style="list-style-type: none"> • Research a career that requires A-level chemistry. • Explore this online project investigating toxicology: https://chembam.com/home-learning/toxicology/ 	<ul style="list-style-type: none"> • Subscribe to the Chemistry Review magazine. • The Young Scientist's Journal Young Scientists Journal (ysjournal.com) <p>Books:</p> <ul style="list-style-type: none"> • Maths Skills for A Level Chemistry. Dan McGowan •The Disappearing Spoon and Other Extraordinary True Tales from the Periodic Table. Sam Kean • Why Chemical Reactions Happen. James Keeler <p>Podcasts: In Our Time BBC Radio 4 - In Our Time, Science The Secret History of the Future The Secret History of the Future. (slate.com)</p> <p>Ted Talk:</p>	<p>Chemistry Laureates NobelPrize.org</p> <p>Science Daily ScienceDaily: Your source for the latest research news</p> <p>The Science Museum Building the modern world: Concrete and our environment Science Museum</p>

	<p>element to be placed at the bottom of that group.</p>	<p>Nobel Prize winner interview BBC World Service - Discovery, Sir Gregory Winter</p> <p>Programmes: The Sky at Night BBC iPlayer - The Sky at Night</p>		<p>The future is bright as chemistry Andrew Parsons TEDxSheffieldHallamUniversity - YouTube</p> <p>Competitions: Chemists' Olympiad UK Chemistry Olympiad RSC Education</p>	
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