

Year 11

Resources to help you prepare for Chemistry A Level



 <p>Watch RSC videos Faces of Chemistry is a rich collection of videos and resources about chemistry in real life, through the careers of real people Have you ever wondered what events inspired famous chemists? Or how chemistry research leads to new products and technologies? Or what sort of careers studying chemistry can lead to?</p>	 <p>Watch Basic Chemistry Definitions Definitions form a key part of the course. Don't go starting A level Chemistry without knowing these or not following MaChemGuy on Twitter!! https://twitter.com/MaChemGuy</p>	 <p>Watch this TED talk in which Angelina Arora shares how a lasting combination of curiosity and strategically applied science could help solve the world's problems. What creating a toxin-free plastic taught me about problem-solving TED Talk – Angelina Arora</p>	 <p>Watch this TED talk which explores the science behind making cookies. Once you have watched this, why not try and make your own? The chemistry of Cookies TED Talks – Stephanie Warren</p>	 <p>Watch this TED talk, which examines the pharmaceutical industry and its impact on doctors and the wider medical world. What doctors don't know about the drugs they prescribe TED Talk – Ben Goldacre</p>
 <p>Read this article from a clinical psychologist which provides practical ways to overcome whatever life throws your way. 8 tips to help you become more resilient Ideas TED</p>	 <p>Read this article from marine scientist Roger Hanlon. In it he explores how the heck colour-blind cephalopods — octopus, squid and others — achieve such a good colour match when they camouflage (in short: amazing, distributed brains). Oddballs with high-level intelligence: a Q & A with Roger Hanlon about the amazing octopus</p>	 <p>Listen to this radio programme which tackles the big issue of lack of diversity in engineering. In the UK, 91% of jobs in the engineering industry are filled by men and 92% of jobs are filled by white people. So what can we do about it? BBC Live Wires How can we make UK engineering more diverse? BBC Sounds</p>	 <p>Listen to this radio programme which explores all sorts of science-related topics (including the Coronavirus). BBC Inside Science BBC Sounds</p>	 <p>Listen to this radio programme in which Susan Marling asks why the UK has the lowest proportion of female engineers in Europe. Britain's Hidden Talent: Women Engineers BBC Sounds</p>
 <p>Complete this course which is ideal for anyone considering working in residential care homes or nursing. You will also learn about the 6 'Rs' of medicine administration: right patient, right medicine, right route, right dose, right time and resident's right to refuse. Understand the key principles of medicine administration University of East Anglia</p>	 <p>Complete this course which is an entertaining and illuminating exploration into the impact dentistry has on our lives. Discover Dentistry The University of Sheffield Available now or 15th June 2020</p>	 <p>Complete this course and explore the diverse skills and knowledge required to be a nurse and find out where a career in nursing could take you. Introduction to Nursing: Bioscience, Psychology, and Sociology University of Leeds Starts 29th June 2020</p>	 <p>Complete this course which explores the organic chemistry behind everyday things such as perfume, medicine and sport. Exploring Everyday Chemistry University of York (starts 29th June)</p>	 <p>Complete this course in which you will learn the physical processes behind climate variation around the world to better understand the causes of climate change. Causes of Climate Change University of Bergen and Bjerknes Centre for Climate Research</p>

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Book Recommendations

Why does asparagus make your wee smell? Andy Brunning	ISBN-10: 1409156613	Why does cooking bacon smell so good? Can cheese really give you bad dreams? Why do onions make you cry? In this book, you will discover all sorts of wonderful science that affects us on daily basis.
Periodic Tales: The Curious Lives of the Elements (Paperback) Hugh Aldersey-Williams	ISBN-10: 0141041455	This book covers the chemical elements, where they come from and how they are used. There are loads of fascinating insights into uses for chemicals you would have never even thought about.
The Science of Everyday Life: Why Teapots Dribble, Toast Burns and Light Bulbs Shine (Hardback) Marty Jopson	ISBN-10: 1782434186	The title says it all really, lots of interesting stuff about the things around you home!
Bad Science (Paperback) Ben Goldacre	ISBN-10: 000728487X	Here Ben Goldacre takes apart anyone who published bad / misleading or dodgy science - this book will make you think about everything the advertising industry tries to sell you by making it sound 'sciency'.

Notes for Chemistry A-Level

Published on the VLE within the area of KS5 Chemistry, you will find transition work for A-Level.

There are a number of useful resources and problem-solving tasks that will enable you to develop essential skills and knowledge needed for the course. It's important you don't forget the chemistry you've learnt so far. Hopefully you can take this opportunity to understand how chemistry fits in the wider world and engage in the challenge of the tasks set.