

Summer activities for Year 11 - CTEC Applied Science

The activities below are optional. If you are able to complete some or all of them, you will get an insight into the Applied Science Course and the content within the first unit. If you have any questions, please contact Nicky Miller - nmiller@salisbury6c.ac.uk

Unit 1 Science Fundamentals covers a range of the science subjects. To help with your understanding of this unit you will need to have a good understanding of the topics below.

Topic	Resources
Atoms, elements and compounds Complete the review test for this section and check you are confident in this area. See this youtube clip on Atoms and periodic table	BBC Bitesize Chemical symbols - Atoms, elements and compounds - AQA - GCSE Chemistry (Single Science) Revision - AQA Atoms and the Periodic Table
The periodic table Use the link to work through this subject area and answer the quiz. See this youtube clip of the periodic table	Mendeleev's periodic table - The periodic table - AQA - GCSE Chemistry (Single Science) Revision - AQA A Tour of the Periodic Table
Ionic bonding Use the link to work through this subject area and answer the quiz. See this clip on ionic bonding	Forming ions - Ionic compounds - AQA - GCSE Chemistry (Single Science) Revision - AQA Ionic Bonding
Covalent bonding Use the link to work through this subject area and answer the quiz.	Covalent bonds - Small molecules - AQA - GCSE Chemistry (Single Science) Revision - AQA Covalent Bonding

See this youtube link on covalent bonding	
Compare and contrast ionic and covalent compounds. Check your findings with this youtube video	Chemical Bonds: Covalent vs. Ionic
Additional chemistry watching!	The modern alchemist
	Chemical Curiosities: Surprising Science and Dramatic Demonstrations - with Chris Bishop