



## KS4 Learning Overview

### Combined Science

Exam Board: AQA

Year 11		
Term	Topics	Extra learning opportunities
Autumn 1	<b>1. Rate and extent of chemical change</b>  <b>2. Organic Chemistry</b>	Research the effect of temperature on rate of reaction by making lava at home. Write a report on the outcome. Make sure you include pictures of your fun experiment. Use this link: <a href="#">Make an Alka-Seltzer Powered Lava Lamp   STEM Activity (sciencebuddies.org)</a>  Find out how perfumes are made and what are the key ingredients in them
Autumn 2	<b>1. Chemical Analysis</b>  <b>2. Chemistry of the atmosphere</b>	Research how chemical analysis is used in forensic science to solve a crime scene  Using the link below, monitor the levels of pollutants example sulfur dioxide, particulates on a daily basis for a week, and write down what you notice, for example are there certain days or time of day where pollutants are highest/lowest and why you think that might be <a href="#">Latest measured levels based on data provided by the Environment Agency - Defra, UK.</a>



