



KS4 Learning Overview

Chemistry

Exam Board: AQA

Year 10		
Term	Topics	Extra learning opportunities
Autumn 1&2	Chemical changes	<p>A lot of chemical changes happen at home and all around us. Observe and record examples of some chemical changes happening at home and around you for one week.</p> <p><u>Examples of Chemical Changes in Everyday Life (yourdictionary.com)</u> Fun experiment: to observe a chemical change. Carry out and take pictures. Put some mentos into a bottle of coke.</p>
Spring 1&2	Rate and extent of chemical change	<p>Exothermic and endothermic reactions When a chemical reaction occurs, energy is transferred to or from the surroundings.</p> <p>Research some examples of these types of reactions that occur in everyday Life. <u>Exothermic and Endothermic Reactions In Everyday Life by Lydia D'souza (prezi.com)</u></p>
Summer 1&2	Rate and extent of chemical change	<p>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: <u>Make an Alka-Seltzer Powered Lava Lamp STEM Activity (sciencebuddies.org)</u></p>