



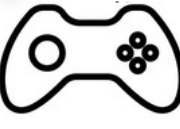







<h2 style="text-align: center;">6<sup>th</sup> Form Preparation work for Chemistry</h2> <h3 style="text-align: center;">Week 1 and 2</h3>			
 <p><b>Complete</b> research on the chemistry behind fireworks. Write an information card to explain what you have learnt.</p> <p><i>Time: 1 hour</i></p>	 <p><b>Listen</b> to the Chemistry for your life podcast explaining how the element helium changes your voice. Write a paragraph to explain the science behind the high squeaky voice we hear when we breathe it in.</p> <p><i>Podcast: <a href="#">How does helium change your voice</a></i></p> <p><i>Time: 1hr</i></p>	 <p><b>Play</b> the balancing symbol equation simulation to help you visualise how many atoms are needed to balance an equation.</p> <p><i><a href="#">Balancing symbol equation simulation</a></i></p> <p><i>Time: 15 min</i></p>	 <p><b>Read</b> the article on using plastics in the body. Write an essay of 600-700 words to describe all the different uses.</p> <p><i><a href="#">Article: Using plastics in the body</a></i></p> <p><i>Time: 1 hour</i></p>
 <p><b>Play</b> the balancing symbol equation game where you put your balancing symbol equation skills into practise</p> <p><i><a href="#">Balancing symbol equation game</a></i></p> <p><i>Time: 15 mins</i></p>	 <p><b>Complete</b> the questions on knowledge from GCSE Chemistry that you need to know to move on to A Level.</p> <p><i><a href="#">Pre-knowledge Topic: Atomic Structure</a></i></p> <p><i>Time: 1 hour</i></p>	 <p><b>Watch</b> the video where Professor Jim Al-Khalili tells the story of the greatest scientific discovery ever - that everything is made of atoms. Write 10 interesting facts you learnt while watching.</p> <p><i><a href="#">Video: Atoms 1 – Clash of the Titans</a></i></p> <p><i>Time: 1 hour</i></p>	 <p><b>Complete</b> the task to create timeline showing the different scientists involved in the model of the atom changing over time. Follow the success criteria to help you complete it.</p> <p><i><a href="#">Task: History of the Atom</a></i></p> <p><i>Time: 1 hour</i></p>
 <p><b>Read</b> the balancing symbol equation notes and worked examples. Write a flash card to describe how to balance an equation.</p> <p><i><a href="#">Balancing Symbol Equation Notes and Examples</a></i></p> <p><i>Time: 15 mins</i></p>	 <p><b>Watch</b> the balancing symbol equation video and make sure you remember how to balance equations.</p> <p><i><a href="#">Balancing symbol equation video</a></i></p> <p><i>Time: 15 mins</i></p>	