



# Long Term Plan

IGCSE Chemistry



2021-2022	Autumn 1 7 weeks	Autumn 2 7 weeks	Spring 1 7 weeks	Spring 2 7 weeks	Summer 7 weeks
Year 10	<b>Principles of Chemistry</b> <ul style="list-style-type: none"> <li>States of Matter</li> <li>Elements, Compounds and Mixtures</li> <li>Atomic Structure</li> <li>Periodic Table</li> </ul>	<b>Principles of Chemistry</b> <ul style="list-style-type: none"> <li>Chemical Formulae</li> <li>Equations and Calculations</li> </ul>	<b>Principles of Chemistry</b> <ul style="list-style-type: none"> <li>Ionic Bonding</li> <li>Covalent Bonding</li> <li>Metallic Bonding</li> <li>Electrolysis</li> </ul>	<b>Inorganic Chemistry</b> <ul style="list-style-type: none"> <li>Alkali Metals</li> <li>Halogens</li> <li>Gases in the atmosphere</li> <li>Reactivity series</li> </ul>	<b>Inorganic Chemistry</b> <ul style="list-style-type: none"> <li>Extraction and uses of metals</li> <li>Acids, Alkalis and titrations</li> <li>Acids Bases and salt preparation</li> <li>Chemical tests</li> </ul>
Year 11	<b>Physical Chemistry</b> <ul style="list-style-type: none"> <li>Energetics</li> <li>Rates of Reaction</li> </ul>	<b>Physical Chemistry</b> <ul style="list-style-type: none"> <li>Reversible reactions and equilibria</li> </ul>	<b>Organic Chemistry</b> <ul style="list-style-type: none"> <li>Introduction to organic chemistry</li> <li>Crude oil</li> </ul>	<b>Organic Chemistry</b> <ul style="list-style-type: none"> <li>Alkanes</li> <li>Alkenes</li> <li>Alcohols</li> </ul>	<b>Organic Chemistry</b> <ul style="list-style-type: none"> <li>Carboxylic acids</li> <li>Esters</li> <li>Synthetic Polymers</li> </ul>