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|---|--------------------|--------------------------------|-------------------------------|
| <b>Curriculum Long Term Planning Overview</b> | <b>Key Stage 4</b> | <b>Subject Area: Chemistry</b> | <b>Academic Year: 2022-23</b> |
|---|--------------------|--------------------------------|-------------------------------|

| Year          | Study Modules        | Autumn Term 1    | Autumn Term 2                         | Spring Term 1                          | Spring Term 2                         | Summer Term 1  | Summer Term 2     |
|---------------|----------------------|------------------|---------------------------------------|--|---------------------------------------|----------------|-------------------|
| <b>Year 9</b> | <b>Study Modules</b> | States of Matter | States of Matter<br>Atomic Structure  | Atomic Structure<br>The Periodic Table | Bonding                               | Bonding        | Revision          |
|               | <b>Assessment</b>    | Progress tests   | Progress tests<br>In class assessment | Progress tests                         | Progress tests<br>In class assessment | Progress tests | End of year exams |

| Year           | Study Modules        | Autumn Term 1                          | Autumn Term 2  | Spring Term 1  | Spring Term 2  | Summer Term 1  | Summer Term 2  |
|----------------|----------------------|--|--|--|--|--|--|
| <b>Year 10</b> | <b>Study Modules</b> | Atomic Structure<br>The Periodic Table | Ionic Bonding<br>Covalent Bonding<br>Types of Substance<br>Acids and Alkalis | Calculations involving Masses<br>Electrolytic Processes<br>Obtaining and using Metals<br>Reversible Reactions and Equilibria | Transition metals, alloys and corrosion<br>Quantitative Analysis<br>Dynamic Equilibria<br>Calculations involving Volumes of Gases<br>Chemical Cells and Fuel Cells | Calculations involving Volumes of Gases<br>Chemical Cells and Fuel Cells | Groups in the Periodic Table<br>Rates of Reaction<br>Heat Energy changes in Chemical Reactions |
|                | <b>Assessment</b>    | Progress tests                         | Progress tests<br>In class assessment  | Progress tests   | Progress tests<br>In class assessment  | PPE exams  | Progress tests   |

| Year    | Study Modules | Autumn Term 1   | Autumn Term 2   | Spring Term 1  | Spring Term 2               | Summer Term 1 | Summer Term 2 |
|---------|---------------|---|---|----------------|-----------------------------|---------------|---------------|
| Year 11 | Study Modules | Fuels<br>Earth and Atmospheric Science<br>Hydrocarbons<br>Alcohols and Carboxylic Acids | Polymers<br>Qualitative Analysis<br>Tests for Ions<br>Bulk and Surface Properties of Matter including Nanoparticles | Revision       | Revision                    |               |               |
|         | Assessment    | Progress tests  | Progress tests<br>PPE exams   | Progress tests | Progress tests<br>PPE exams | Final exams   | Final exams   |