

**English Martyrs' Chemistry Curriculum Map 2022-23**

<b>Focus</b>	<b>Autumn One</b>	<b>Autumn Two</b>	<b>Spring One</b>	<b>Spring Two</b>	<b>Summer One</b>	<b>Summer Two</b>
<b>Year 7</b> KS3 National Curriculum	Introduction to Secondary Science Particle Model	Particle Model Acids and Alkalis	Acids and Alkalis Separating Mixtures	Separating Mixtures	Earth's Resources	Earth's Resources
<b>Year 8</b> KS3 National Curriculum	Periodic Table	Elements, Compounds and Mixtures	Metals and Non-metals	Metals and Non-metals	Types of Chemical Reactions	Types of Chemical Reactions
<b>Year 9</b> Introduction to GCSE	HSW – variables and science words C1 – Atoms and Periodic Table	C1 – Atoms and Periodic Table	C2 – Bonding, Structure and the properties of matter	C2 – Bonding, Structure and the properties of matter	C3 – Mass and Moles C7 – Organic Chemistry	C9 – Chemistry and the atmosphere
<b>Year 10</b> GCSE	Revision of ions and key ideas C4 – Chemical Changes	C4 – Chemical Changes	C4 – Chemical Changes C5 – Energy Changes	C6 – The rate and extent of chemical change	C6 – The rate and extent of chemical change C8 – Chemical Analysis	C8 – Chemical Analysis
<b>Year 11</b> GCSE	C3 – Quantitative Chemistry Review C7	C9 – Chemistry and the atmosphere Revision	C9 – Chemistry and the atmosphere C10 – Using Resources	C10 – Using Resources Revision	Revision	GCSE exams
<b>Year 12</b> AS	<u>Module 2</u> Structure and Bonding Acids and bases Redox reactions <u>Module 3</u> Periodicity	<u>Module 2</u> Mole calculations <u>Module 3</u> Periodicity Enthalpy changes Rates of reaction	<u>Module 3</u> Equilibria <u>Module 4</u> Organic Reactions	<u>Module 4</u> Organic Synthesis Spectroscopy	Revision	AS exam
<b>Year 13</b> A2	<u>Module 6</u> Advanced Organic reactions <u>Module 5</u> Rates of reaction calculations	<u>Module 5</u> Enthalpy and entropy Redox reactions Equilibria calculations Acids and pH	<u>Module 5</u> Electrochemistry pH buffers Transition elements	Revision	Revision	A Level exams