

English Martyrs Chemistry Curriculum Map

Focus	Autumn One	Autumn Two	Spring One	Spring Two	Summer One	Summer Two
Year 7 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
Year 8 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
Year 9 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	C7 – Organic Chemistry	C7 – Organic Chemistry C9 – Chemistry and the atmosphere	C9 – Chemistry and the atmosphere
Year 10 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
Year 11 GCSE	C3 – Quantitative Chemistry	C3 – Quantitative Chemistry	C10 – Using Resources	C10 – Using Resources	Revision	GCSE exams
Year 12 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
Year 13 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