

English Martyrs' Science Curriculum Map – Overview

	Year 7	Year 8	Year 9	Year 10	Year 11
Biology	Introduction to Secondary Science Cells Human Reproduction Variation Interdependence Movement	Digestion Breathing and respiration Evolution Inheritance Plants and Climate	HSW – graphs B1 – Cell Biology B2 – Cell Organisation B4 – Bioenergetics	B3 – Infection and Response B5 – Homeostasis and Response B7 – Start Ecology	B6 – Inheritance, Variation and Evolution B7 – Ecology Exam Preparation and Revision
Chemistry	Introduction to Secondary Science Acids and Alkalis Particle Model Separating Mixtures Earth's Resources	Periodic Table Elements, Compounds and Mixtures Metals and Non-metals Types of Chemical Reactions	HSW – variables and science words C1 – Atoms and Periodic Table C2 – Bonding, Structure and the properties of matter C7 – Organic Chemistry C9 – Chemistry and the atmosphere	Revision of ions and key ideas C4 – Chemical Changes C5 – Energy Changes C6 – The rate and extent of chemical change C8 – Chemical Analysis	C3 – Quantitative Chemistry C10 – Using Resources
Physics	Introduction to Secondary Science Energy Electricity Introduction to Forces Further Forces Space	Heating and Cooling Magnets and Electromagnets Pressure and Levers Light Sound	HSW – practical planning P1 – Energy P2 – Electricity P3 – Particle Model of Matter	P6 – Waves P4 – Atomic Structure	P5 – Forces P8 – Space Physics P7 – Magnetism and electromagnetics