

Science Curriculum Map

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
7	Curriculum Topics: Particles Cells	Curriculum Topics: Energy Acids and Alkalis	Curriculum Topics: Reproduction Forces	Curriculum Topics: Chemical Reactions Digestion	Curriculum Topics: Heating and Cooling Periodic Table	Curriculum Topics: Rocks Science Inv / EoY Ass
	Links with previous topics: Particles are the building blocks of matter. Cells are the building blocks of living things.	Links with previous topics: Conservation of energy links with all physics topics. Acids and Alkalis - particles. Sci. Inv.	Links with previous topics: Cells used in reproduction Sci. Inv.	Links with previous topics: Cells develop into tissues, organs and organ systems. Chem Reactions – made from particles. Sci. Inv.	Links with previous topics: Links back to atoms, molecules, elements and compounds from Chem. Reactions /particles. Sci. Inv.	Links with previous topics: EoY Ass – Links with all.
	Assessments: Unit tests. Science Investigation Assessments	Assessments: Unit tests. Science Investigation Assessments	Assessments: Unit tests. Science Investigation Assessments	Assessments: Unit tests. Science Investigation Assessments	Assessments: Unit tests. Science Investigation Assessments	Assessments: Unit tests. / EoY Test Science Investigation Assessments

8	<p>Curriculum Topics:</p> <p>Respiration</p> <p>Chemical Reactions</p>	<p>Curriculum Topics:</p> <p>Forces and Pressure</p> <p>Genes</p>	<p>Curriculum Topics:</p> <p>Atoms</p> <p>Waves</p>	<p>Curriculum Topics:</p> <p>Metals</p> <p>Elec & Mag</p>	<p>Curriculum Topics:</p> <p>History of the Atom</p>	<p>Curriculum Topics:</p> <p>Plants and Ecosystems</p>
	<p>Links with previous topics:</p> <p>Cells, tissues, organs.</p> <p>Elements, Compounds, Molecules</p> <p>Sci. Inv.</p>	<p>Links with previous topics:</p> <p>Y7 Forces-Balanced and Unbalanced Forces,</p> <p>Y7 Cells</p> <p>Sci. Inv.</p>	<p>Links with previous topics:</p> <p>Y7 Particles, Chemical Reactions, Conservation of mass</p> <p>Y7 Forms of Energy, Energy Conservation</p> <p>Sci. Inv.</p>	<p>Links with previous topics:</p> <p>Y7 Structure of Particles, Chemical Reactions.</p> <p>Y7 Energy</p> <p>Sci. Inv.</p>	<p>Links with previous topics:</p> <p>Y7 Particles, Chemical Reactions</p> <p>How Science works, development of scientific ideas</p> <p>Sci. Inv.</p>	<p>Links with previous topics:</p> <p>Y7 Cells, Tissues, Organs, Organ Systems</p> <p>EoY Ass – Links with all.</p> <p>Sci. Inv.</p>
	<p>Assessments:</p> <p>Unit tests.</p> <p>Science Investigation</p>	<p>Assessments:</p> <p>Unit tests.</p> <p>Science Investigation</p>	<p>Assessments:</p> <p>Unit tests.</p> <p>Science Investigation</p>	<p>Assessments:</p> <p>Unit tests.</p> <p>Science Investigation</p>	<p>Assessments:</p> <p>Unit tests.</p> <p>Science Investigation</p>	<p>Assessments:</p> <p>Unit tests. / EoY Test</p> <p>Science Investigation</p>

9	<p>Curriculum Topics:</p> <p>Electromagnetic Spectrum</p> <p>Atoms</p>	<p>Curriculum Topics:</p> <p>Cellular Reactions</p> <p>Electrical Circuits</p>	<p>Curriculum Topics:</p> <p>Rates of Reaction</p>	<p>Curriculum Topics:</p> <p>Electricity in the Home</p>	<p>Curriculum Topics:</p> <p>Atmosphere and Resources</p>	<p>Curriculum Topics:</p> <p>Ecology</p>
	<p>Links with previous topics:</p> <p>Waves carry energy, types of wave and structure. (Waves)</p> <p>Explaining chemical reactions. Periodic table structure. (Yr 8 Chem)</p> <p>How Science works, development of scientific ideas (History of the Atom)</p> <p>Sci. Inv.</p>	<p>Links with previous topics:</p> <p>Cells, Tissues, Organs, Organ Systems. (KS3 Biology)</p> <p>Respiration, Photosynthesis (KS3 Biology)</p> <p>Complete circuits, circuit symbols, series and parallel (Elec and Mag Y8)</p> <p>Sci. Inv.</p>	<p>Links with previous topics:</p> <p>Conservation of Mass, temperature, concentration, pressure</p> <p>Sci. Inv.</p>	<p>Links with previous topics:</p> <p>Complete circuit, from Yr7</p> <p>Sustainability and Resources.</p> <p>Energy conservation and efficiency.</p> <p>Sci. Inv.</p>	<p>Links with previous topics:</p> <p>Sustainability and Resources</p> <p>Energy conservation and efficiency.</p> <p>Sci. Inv.</p>	<p>Links with previous topics:</p> <p>Conservation of Energy.</p> <p>Sustainability and Resources</p> <p>Cells Tissues, Organs, Organ Systems.</p> <p>Respiration, Photosynthesis</p> <p>EoY Ass – Links with all.</p> <p>Sci. Inv.</p>
	<p>Assessments:</p> <p>Unit tests.</p> <p>Science Investigation</p>	<p>Assessments:</p> <p>Unit tests.</p> <p>Science Investigation</p>	<p>Assessments:</p> <p>Unit tests.</p> <p>Science Investigation</p>	<p>Assessments:</p> <p>Unit tests.</p> <p>Science Investigation</p>	<p>Assessments:</p> <p>Unit tests.</p> <p>Science Investigation</p>	<p>Assessments:</p> <p>Unit tests. / E o Y Test</p> <p>Science Investigation</p>

10

Curriculum Topics:	Curriculum Topics:	Curriculum Topics:	Curriculum Topics:	Curriculum Topics:	Curriculum Topics:	Curriculum Topics:
Matter and Energy	Bonding and Structure Biological Organisation	Quantitative Chemistry Radioactivity	Cell Division and Transport Chemical Changes (salts)	Inheritance & Variation Chemical Changes (Electrolysis and Energy)	Atmosphere and Resources Forces	
Links with previous topics: Conservation of Energy. & Forms of energy (Energy) Atomic Structure (Atoms) Sci. Inv.	Links with previous topics: Atoms structure from Yr9 Atoms. Cells Tissues, Organs, Organ Systems. Sci. Inv.	Links with previous topics: Conservation of Mass, concentration, Y9 Rates) periodic table (Atoms) Sci. Inv.	Links with previous topics: Cells Tissues, Organs, Organ Systems. Conservation of Mass, periodic table (Atoms) Sci. Inv.	Links with previous topics: Genes Yr 7 Cells Chemical Changes (salts) Conservation of Mass, periodic table (Atoms) Sci. Inv.	Links with previous topics: Conservation of Energy. Sustainability and Resources Respiration, Photosynthesis Sci. Inv.	
Assessments: Unit tests. Science Investigation	Assessments: Unit tests. Science Investigation	Assessments: Unit tests. Science Investigation	Assessments: Unit tests. Science Investigation	Assessments: Unit tests. Science Investigation	Assessments: Unit tests. / EoY Test Science Investigation	

11	<p>Curriculum Topics:</p> <p>Motion</p> <p>Quantitative Chemistry</p>	<p>Curriculum Topics:</p> <p>Chemical Analysis</p> <p>Homeostasis</p>	<p>Curriculum Topics:</p> <p>Electromagnetism</p> <p>Organic Chemistry</p>	<p>Curriculum Topics:</p> <p>Waves for Triples (lenses)</p>	<p>Curriculum Topics:</p>	<p>Curriculum Topics:</p>
	<p>Links with previous topics:</p> <p>How balanced and unbalanced forces effect motion Forces (Yr10)</p> <p>Conservation of Mass, concentration, Y9 Rates) Atom structure and periodic table (Atoms)</p>	<p>Links with previous topics:</p> <p>Conservation of Mass, concentration, Y9 Rates) Atom structure and periodic table (Yr9 Atoms)</p> <p>Cells Tissues, Organs, Organ Systems.</p>	<p>Links with previous topics:</p> <p>Current flow –(Electrical Circuits Yr9)</p> <p>Law of Magnetism and Mag Fields - Magnetism (Elec Mag Yr 8)</p> <p>Conservation of Mass, concentration, Y9 Rates) Atom structure and periodic table (Yr9 Atoms)</p>	<p>Links with previous topics:</p> <p>How light travels – refraction/reflection, heat transfer by radiation - Yr9 Elec Magnetic Spectrum.</p>	<p>Links with previous topics:</p>	<p>Links with previous topics:</p>
	<p>Assessments:</p> <p>Unit tests.</p> <p>Science Investigation</p>	<p>Assessments:</p> <p>Unit tests.</p> <p>Science Investigation</p>	<p>Assessments:</p> <p>Unit tests.</p> <p>Science Investigation</p>	<p>Assessments:</p> <p>Unit tests.</p> <p>Science Investigation</p>	<p>Assessments:</p> <p>GCSEs</p>	<p>Assessments:</p>