

### Curriculum Sequencing Overview – Year 7 Science

Week	1	2	3	4	5	6	7	8
<b>Unit Theme and Assessed Knowledge/ Skills</b>	Introduction to Science		Chemistry 1 Particle Model				Biology 1 Cells	
<b>Lesson Topics Sequence &amp; Content</b>	1. Science Lab Safety 2. Science Careers 3. British Scientists	4. Lab Equipment 5. Boiling Water investigation <b>Yr7 Baseline Assessment</b>	C1.1 Solids, Liquids, Gases. C1.2 Particle Model C1.3 Particle Behaviour	C1.4 Changing State C1.5 Diffusion C1.6 Density in Liquids	<b>Review &amp; C1 Particle Model Assessment</b> C1.7 Solutions & Solubility C1.8 Filtration	C1.9 Evaporation C1.10 Distillation C1.11 Chromatography	<b>Review &amp; C1 Separating Solutions Assessment</b> B1.1 Organs B1.2 Muscles	B1.3 Skeleton & Bones B1.4 Chicken Wing Dissection B1.5 Organisation – cells, tissues, organs & systems <b>&amp; Biol 1 Anatomy Assessment</b>
<b>Key Assessments</b>		<b>Yr7 Baseline Assessment</b>			<b>C1 Particle Model</b>		<b>C1 Separating Solutions</b>	<b>Biol 1 Anatomy</b>

Week	9	10	11	12	13	14	15	16	
<b>Unit Theme and Assessed Knowledge/ Skills</b>	B1 Cells	Physics 1 Forces			Chemistry 2 Earth & Atmosphere				
<b>Lesson Topics Sequence &amp; Content</b>	B.1.6 Microscope training  B1.7 Plant & Animal Cells  B1.8 Looking at Cells	B1.9 Biol 1 Review & <b>Cells Assessment</b>  P1.1 Forces  P1.2 Balanced, unbalanced & resultant forces	P1.3 Friction  P1.4 Gravity & Weight  P1.5 Upthrust – floating & sinking	P1.6 Stretching & <b>Phys 1 Forces Assessment</b>  P1.7 Hookes Law  P1.8 Air & Water resistance	P1.9 Speed  P1.10 D-T graphs  Phys 1 Review & <b>Motion Assessment</b>	C2.1 Earth Structure  C2.2 Igneous Rocks  C2.3 Sedimentary Rocks	C2.4 Metamorphic rock  C2.5 Rock Cycle & <b>C2 Rocks Assessment</b>  C2.6 Earth as a resource	C2.7 Waste & Landfill  C2.8 Recycling  C2.9 The Atmosphere	
<b>Key Assessments</b>		<b>Biol 1 Cells</b>		<b>Phys 1 Forces</b>	<b>Phys 1 Motion</b>		<b>C2 Rocks</b>		



Week	17	18	19	20	21	22	23	24
<b>Unit Theme and Assessed Knowledge/ Skills</b>	Biology 2 Food & Digestion			Chem 3 Elements & Compounds				Physics 2 Electricity
<b>Lesson Topics Sequence &amp; Content</b>	<b>C2 Review &amp; C2 Resources Assess</b>  B2.1 Balanced diet  B2.2 Food Tests (sugar & starch)	B2.3 Energy in Food  B2.4 Energy in food – burning food  B2.5 Energy Requirements <b>&amp; B2 Food Assessment</b>	B2.6 Malnutrition & Obesity  B2.7 Digestive System  B2.8 Digestive Adaptations & Enzyme theory	B2.9 Enzymes investigation  B2.10 Alcohol <b>&amp; B2 Digestion assessment</b>  C3.1 Describing Elements	C3.2 Element Research  C3.3 Periodic Table  C3.4 Compounds	C3.5 Naming Compounds  C3.6 Word & Symbol Equations  C3.7 Conservation of Mass	C3.8 Pure or impure  C3.9 Signs of a chemical reaction  C3.10 Polymers	<b>Chem: Review &amp; Assess</b>  P2.1 Electrical Symbols & Circuit Diagrams  P2.2 Conductors & Insulators
<b>Key Assessments</b>	<b>C2 Resources</b>	<b>B2 Food</b>		<b>B2 Digestion</b>				<b>Chem 3 Elements &amp; Compounds</b>



Week	25	26	27	28	29	30	31	32
<b>Unit Theme and Assessed Knowledge/ Skills</b>	Phys 2 Electricity & Magnetism				Biology 3 Reproduction			
<b>Lesson Topics Sequence &amp; Content</b>	P2.3 Electrical Current  P2.4 Electrical Safety  P2.5 Parallel Circuits	P2.6 Potential Difference & <b>P2 Circuits Assessment</b>  P2.7 Resistance  P2.8 Electrical Relationships	P2.9 Energy = Power x time  P2.10 Static Electricity  P2.11 Magnetism <i>(shift to investigative skills rather than content – primary school)</i>	P2.12 Magnetic Fields  P2.13 Electromagnets  P2 Review & <b>Resistance &amp; Magnetism assessment</b>	B3.1 Reproductive Organs  B3.2 Eggs & Sperm  B3.3 Fertilisation	B3.4 Puberty & Menstrual Cycle  B3.5 Pregnancy & Birth  B3.6 Healthy Pregnancy & <b>B3 Human Reproduction assessment</b>	B3.7 Structure of a flower  B3.8 Pollen & Seed Dispersal  B3.9 Sexual & Asexual reproduction	<b>B3 Plant Reproduction Review &amp; Assess</b>  P3.1 Solar System  P3.2 Gravity & Orbits
<b>Key Assessments</b>		<b>P2 Circuits</b>		<b>P2 Resistance &amp; Magnetism</b>		<b>B3 Human Reproduction</b>		<b>B3 Plant Reproduction</b>



Week	33	34	35	36	37	38	39	40
<b>Unit Theme and Assessed Knowledge/ Skills</b>	Phys 3 Space		Revision & End of Year exam		Exam review & interventions			
<b>Lesson Topics Sequence &amp; Content</b>	36.3 Sun & Stars  P3.4 Days & Seasons  P3.5 The Moon	P3.6 Galaxies & Universe  <b>P3 Review &amp; Assess</b>  P3.9 Exploring the Solar System (optional)	Seneca Training  Chem Revision  Phys Revision	Biol Revision  Variables lesson  <b>EoY Exam</b>	EoY Exam Review  Exam interventions - Biol  Exam interventions - Chem	Exam interventions – Phys  Investigation work	End of Term	
<b>Key Assessments</b>		<b>P3 Space</b>		<b>EoY Exam</b>				