

KS3 Year 8 Science Curriculum Teaching Sequence			
	Term 1	Term 2	Term 3
Biology	<u>B2.1 Organs & Organ Systems</u> L1 Introduction to Organ Systems L2 Musculoskeletal System L3 Investigating Muscles L4 The Respiratory System L5 The Mechanism of Breathing L6 Lung Volume L7 Gas Exchange L8 Medicinal & Recreational Drugs L9 Organ Donation	<u>B2.3a DNA & Inheritance</u> L1 Structure & Discovery of DNA L2 Variation L3 Discontinuous Variation L4 Continuous Variation L5 Inheritance L6 Inherited Disorders & Punnett Squares <u>B2.3a Selection & Evolution</u> L1 Natural Selection L2 Evolution L3 Artificial Selection L4 Biodiversity & Gene Banks	<u>B2.4 Nutrition</u> L1 Diet & Nutrition L2 Energy in Food L3 Imbalanced Diet L4 Food Tests L5 Digestive System L6 Enzymes & Digestion L7 Observing Amylase Action L8 The Digestive Microbiome L9 Plant Nutrition
Chemistry	<u>C2.3 Earth's Systems</u> L1 The Structure of the Earth L2 Igneous Rocks L3 Sedimentary Rocks L4 Metamorphic Rocks L5 The Rock Cycle L6 The Water Cycle L7 Water & Living Things L8 The Carbon Cycle L9 Air Pollution <u>C2.1 Acids & Alkalis</u> L1 The pH Scale L2 Indicators L3 Neutralisation L4 Making Salts L5 Acids & Metal Carbonates L6 Making Salts from Metal Carbonates	<u>C2.2 Chemical Changes</u> L1 Introduction to Chemical Changes L2 Chemical Changes L3 Conservation of Mass L4 Introduction to Balancing Equations L5 Balancing Equations L6 Oxidation & Reduction L7 Burning Magnesium L8 Reactions of Acids L9 Testing for Gases L10 Endothermic & Exothermic Reactions	<u>C3.1 Materials</u> L1 Ceramics & Composites L2 Polymers L3 Alloys L4 Reactivity Series L5 Extracting Metals L6 Displacement L7 Thermal Decomposition L8 Problems & Solutions (research)
Physics	<u>P2.2 Forces in Action</u> L1 Effects of Forces L2 Elastic Forces L3 Investigating Elastic Forces L4 Analysing Elastic Forces L5 Turning forces L6 Balancing moments L7 Pressure L8 Pressure in fluids L9 Investigating upthrust L10 Gas pressure L11 Atmospheric pressure	<u>P2.1 Electricity & Magnetism</u> L1 Electric Circuits L2 Electric Current L3 Calculating Current L4 Series & Parallel Circuits L5 Magnetism L6 Magnetic Fields L7 Electromagnets & Motors L8 Investigating Electromagnets	<u>P3.1 Energy in The Home</u> L1 Generating Power L2 Energy Resources L3 Comparing Fuels L4 Power L5 Energy Transfer L6 Cost of Electricity
How science works	<u>HSW project</u> Muscle fatigue	<u>HSW project</u> Acid Rain	<u>HSW project</u> Helicopters