

Y8 Autumn Term

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Food and Nutrition <ul style="list-style-type: none"> Nutrients and food tests Why we need nutrients Food advertising Balanced diets and deficiency Digestion Absorption 			Combustion <ul style="list-style-type: none"> Burning fuels Complete/incomplete combustion Oxidation Fire safety Air pollution Global warming 			Energy transfers <ul style="list-style-type: none"> Temperature changes Conduction, convection, and radiation Insulation Power and efficiency Paying for energy 			The periodic table <ul style="list-style-type: none"> Dalton's atomic model Chemical properties Mendeleev's table Physical trends Chemical trends Fireworks 		

Y8 Spring Term

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	
Fluids <ul style="list-style-type: none"> Density Changing state Pressure Floating and sinking Drag Humans at the extremes 			Breathing and Respiration <ul style="list-style-type: none"> Aerobic respiration Gas exchange system Getting oxygen Comparing gas exchange systems Anaerobic respiration Fitness training 			Metals and their Uses <ul style="list-style-type: none"> Metal properties Corrosion Metals and water Metals and acids Pure metals and alloys Metals in art 			Unicellular Organisms <ul style="list-style-type: none"> Kingdoms Microscopic fungi and their uses Bacteria Protoctists Decomposers Black death hypothesis 		

Y8 Summer Term

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Light <ul style="list-style-type: none"> How does light travel? Reflection Refraction Cameras and eyes Colour Invisibility cloaks 			Rocks <ul style="list-style-type: none"> Rocks and their uses Igneous and metamorphic Weathering and erosion Sedimentary rocks Materials in the Earth Living in danger 			Plants and their reproduction <ul style="list-style-type: none"> Classification and biodiversity Types of reproduction Pollination Fertilisation and dispersal Germination and growth 			Earth and Space <ul style="list-style-type: none"> Gathering evidence Seasons Magnetic Earth Gravity and weight in space Beyond the solar system Studying space 		