

Y7 Topic List

Particles					
The Particle model	Properties of different states of matter	Using a bunsen burner and measuring temperature	Changes of state	Variables	Making predictions

Simple Living Things			
Features of living things	Unicellular organisms	Microscopes	Moving substances

Forces and Energy					
Energy stores and energy transfers	What is a force?	Scalar and vector quantities	Resultant force	Stretching and Squashing forces	Moments

Reproduction					
The structure of a flower	Flowering plant reproduction	Sexual reproduction and the reproductive organs	Menstrual Cycle	Pregnancy	Contraceptive method

Atoms Elements and Compounds									
Elements	Atomic Structure	Molecular formulae	elements, compounds and mixtures	Group 1	Group 7	Group 0	metals and non metals	Separating techniques	Pure and impure

Space			
Days, night and the moon	Orbits and Seasons	Solar System	Mass v Weight

Heating and Cooling				
Temperature and thermal energy	Energy transfers during heating and cooling	Independent Variables	Bar Charts	Conduction

Chemical Reactions					
Conservation of mass	Signs of a reaction	Writing equations	Combustion	Rusting	Exothermic and Endothermic

Movement			
The skeleton	Biomechanics	Principles of organisation	How do plants support themselves?