

Y8 Topic List

Transport					
What do living things need?	The human circulatory system	The blood vessels	The heart	Specialised plant cells	Calculating surface area

Acids and Alkalis					
Hazard Symbols	Acids and Alkalis	The pH scale and indicators	Neutralisation	Making Salts	Naming salts

Nutrition					
Healthy Diet	Food Tests	Enzymes	Digestive Organs	How plants obtain their food?	

Moving by Force				
Force and Motion	Speed	Distance-time graphs	Relative motion	Friction

Electrical Circuits				
What is electricity?	Current	Calculating Charge	Static Electricity	Magnetic Fields

Breathing and Respiration							
Ventilation	How do lungs work?	Gas exchange	Respiration	Respiration in plants	Aerobic respiration in muscles	Anaerobic respiration in muscles and fungi	Effects of exercise

Adaptation and Evolution					
Variation between individuals	How are animals adapted to survive	How are plants adapted to survive	Organisms living in extreme environments	What is biodiversity?	Evidence for evolution

Sound and Light							
Properties of Waves	Sound Waves	How do we hear?	Introduction to light	How do we see?	Spectrum of light	Reflection	Refraction