Years 5 – 8 Science Curriculum

Year Five Science Curriculum

Michaelmas Term

Living Together
Characteristics of living things
Habitats
Food chains
Using Keys
Decay

All About Forces
Gravity
Forces in Water
Falling Spinners
Force Diagrams

Lent Term

Changing Circuits
Electrical Safety
Drawing circuits using symbols
Varying brightness of lamps
Branching circuits

Water Investigation
Water surface
Dissolving
Evaporating

Trinity Term

How we see things
Reflections
The size of shadows
Difference between shadows and reflections
Inside the eye
Simple pin-hole cameras

Keeping healthy
(if time allows)
Smoking
Sun safety
Plaque and tooth decay

Year Six Science Curriculum

Michaelmas Term

Living Together
How plants make seeds
Seed dispersal
Germination
Life cycles
How plants make food
Roots and soil

Keeping Healthy
Body plan
Food and diet
Circulation and the heart
Breathing
Having a baby

Lent Term

Measurement Skills
Volume of liquids
Mass
Temperature
Time - Design a clock
Insulation investigation

Gases and Changing State
Solids, liquids and gases
Gases all around
Changing state

Trinity Term

Reversible and Non-Reversible Changes
Revise dissolving and changing state
Burning
Candle investigation
Rusting

Changing Sounds (if time allows)
How sound travels
Loud and soft
High and low

Air Pollution Project

Earth, Sun and Moon – The Solar System

Year Seven Science Curriculum

Michaelmas Term	Lent Term	Trinity Term
Solutions	Reproduction	Particle model of solids, liquids and gases
Cells	Forces and their Effects	Environment and feeding relationships
Electrical Circuits	Variation and Classification	

Year Seven Science Curriculum

Michaelmas Term	Lent Term	Trinity Term
Acids and alkalis	Atoms and elements	Respiration
Simple Chemical Reactions	Compounds and mixtures and extra chemical reactions	Sound and hearing
Electricity generation	Heating and cooling	Smoking and lung disease
Energy Resources	Microbes and disease	
Food and digestion	Magnetism and electricity	