



Science – Year 7



AUTUMN 1

Organisms 1
Cells, microorganisms and microscopes
The digestive System
Skeleton and muscles

Chemical Reactions 1
Acids and alkalis
Chemical reactions including acid reactions and combustion reactions

PRIOR LEARNING

We revisit factual content from KS2 and work on Scientific skills such as representing data in a table and making observations from experiments.

Summative Assessment 1

Key Knowledge and skills from a broad range of content from HT1 and 2.

Mixture of multiple choice, short answer and extended answer questions.

Forces and Space 1
Forces
Speed
Gravity
The Universe and Solar System

Rotation 1 revision, assessment and feedback

Note- rotation 1 topics are taught in different orders for different classes, but all finishing on the same date, with assessment before Christmas

SPRING 1

Genes 1
Human reproduction, including menstrual cycle, pregnancy, contraception and fertility
Variation

Matter 1
Particle theory
Solution
Separating mixtures

PRIOR LEARNING

Autumn term concepts of cells, chemical reactions and aspects of force feed into this term. We develop Scientific skills, such as drawing graphs.

Summative Assessment 2

Key Knowledge and skills from a broad range of content from HT 3 and 4

Mixture of multiple choice, short answer and extended answer questions.

SPRING 2

Energy and Electricity 1
Energy stores and transfers
Circuits
Magnets

Rotation 2 revision, assessment and feedback

Note- rotation 2 topics are taught in different orders for different classes, but all finishing on the same date, with assessment before Easter.

SUMMER 1

Ecosystems 1
Plant reproduction
Habitats and ecosystems

Earth 1
Rocks; Igneous, metamorphic and sedimentary
Weathering
The rock cycle

PRIOR LEARNING

Autumn and Spring term concepts of cells, particles, chemical reactions and energy feed into this term. Science skills such as interpreting practical data are developed.

Summative Assessment 3

Key Knowledge and skills from a broad range of content from HT 5 and 6.

Mixture of multiple choice, short answer and extended answer questions.

SUMMER 2

Waves 1
Sound waves
Features of a waves (amplitude and frequency)
Longitudinal and transverse waves
Light rays
Transparent, translucent and opaque materials

Rotation 3 revision, assessment and feedback

Note- rotation 3 topics are taught in different orders for different classes, but all finishing on the same date, with assessment before the summer.

