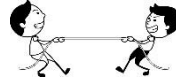




Move on to Year 10

Key Concepts in Physics

- Vector and Scalar
- Forces
- Newtons Three Laws
- Stopping Distances



YEAR 9

Practical Skills taught across year 9 Science:

- Sampling organism in a habitat.
- Use of apparatus to take measurements.
- Measuring biological processes.
- Using Microscopes.
- Safe heating of Substances.
- Use of qualitative reagents
- Measuring rates of reaction
- Use equipment to separate substances.
- Safe handling of substances
- Using probes to make measurements.
- Chemical tests.
- Measuring accurately.
- Using Microscopes.

YEAR 9

Key concepts in Biology

- Cells and Microscopes
- Enzymes
- Osmosis
- The Nervous System



Key Concepts in Chemistry

- States of Matter
- Mixtures
- Separating Mixtures
- Drinking Water



Investigation Skills taught across year 9 Science:

- Data analysis from experimental and health data.
- Representing data graphically.
- Using statistics in science.
- Evaluating risk.
- Explaining how models have changed over time.
- Representing information's about reactions using symbolic forms.
- Identifying and explain patterns.
- Plan, conduct and use apparatus in experiments.
- Evaluating risks and scientific applications.
- Evaluating data in terms of accuracy, precision, and repeatability.
- Use models to make predictions with familiar and unfamiliar facts.
- Analysing graphs.
- Using Scientific theories and explanations to develop hypothesis.
- Drawing conclusions from data.
- Evaluate methods and suggest improvements.

Forces and Motion

- Forces and Movement
- Speed
- Turning Forces
- Machines



Preparing for GCSE

- Practical Skills
- Data Analysis
- Graph Drawing



YEAR 9

Reactivity

- Types of Explosions
- Reactivity
- Displacement
- Extracting Metals



Genetics and Evolution

- Variation
- DNA
- Extinction
- Natural Selection



YEAR 9

Atoms and Atomic Structure

- Structure of the atom
- Atomic number
- Mass number



States of Matter

- Solids, Liquids and Gases
- The Particle Model



Curriculum Overview

Evolution

- Natural Selection
- Evolution of Man
- Antibiotic Resistance



Welcome back to Science

- Lab safety
- Science Expectations



Welcome Curriculum Overview

A03
Analysing and evaluating

A02
Scientific enquiries

A01
Scientific ideas and techniques