

Key Stage 3 Science Long Term Planning Overview

2017/18	Term 1	Term 1	Term 2	Term 2	Term 3	Term 3
Year 7	Plants Baseline assessment Skills in the science lab	The Body - skeleton, muscles and gas exchange	Matter and particle models	Earth and atmosphere	Motion and forces	Cells and living organisms
Year 8	Reproduction genetics and evolution	The universe	Atoms elements and compounds	Chemistry in our world	Electricity and electromagnetism	Nutrition digestion and health

These topics will give the foundation learning necessary for all students to progress on to start studies towards **Entry Level accreditation in science throughout Years 9, 10 and 11.**

AQA Entry Level Course Content;

Unit 1 The Human Body

- How to lead a healthy lifestyle/Cause of and cure for disease.
- How the body is controlled by reflexes and hormones.

Unit 2 Inheritance, Environment, Evolution and Inheritance

- How offspring inherit characteristics from their parents.
- Competition with other living things & the environment/Evolution.

Unit 3 Elements, Mixtures and Compounds

- Matter is composed of tiny particles called atoms.
- The properties of different substances and how atoms bond and react to form them.

Unit 4 Chemistry in our World

- How acids react with metals to form salts.
- Chemical reactions around us including research into the Earth's changing atmosphere.

Unit 5 Energy, Forces and Structure of Matter

- That forces are pushes and pulls and that if an object moves work has been done and energy is transferred.
- The energy resources available to us can be renewable or non-renewable.

Unit 6 Electricity, Magnetism and Waves

- Uses of electricity in the home & how electricity is generated.
- The uses and hazards of electromagnetic waves/radiation.

