

Preparation for KS4

Physics

Chemistry

In Year 9,
learners will continue to build
on their knowledge bank
looking at scientific
applications in the real world
and preparing for KS4.

In Year 8, learners will use the knowledge and skills acquired in year 7 to look at a wide range of topics in more depth. Ecosystems & interdependence; Inheritance & evolution Materials & recycling; Acids & alkalis

Motion & pressure; Waves

Investigations & working scientifically

Physics
Chemistry
Biology

Photosynthesis & respiration; Health & the human body Earth & atmosphere; Chemical reactions

Space; Electricity & magnetism

In Year 7, learners will develop basic understanding of safety in the laboratory as well as the skills needed for working scientifically.

Biology

Physics

Chemistry

Using a microscope

Safety around equipment

Introduction to science

YEAR 7

YEAR

Cell tissues & organization; Reproduction

Atoms and the periodic table; States of matter and separating mixtures

Energy changes & transfers; Forces

Year 10 Single Entry Level

Energy, forces & the Summer **ELC Physics** structure of matter term Year 11 **Component 5** Energy transfers, changes and Investigation and work sources. for Teacher Designed Forces – effects, reaction Assessment times & stopping distances Externally set Radioactivity assessment **Spring ELC Chemistry** term **Chemistry in our World Component 4** Chemical reactions: Metals, Investigation and work for the Earth's atmosphere; **Teacher Designed** Human influence on the **Assessment** atmosphere; The carbon Externally set assessment cycle Year 10 The Human **ELC Biology** Autumn Body **Component 1** Term AQA Structures and functions in Investigation and work for **Teacher Designed Assessment** living things including the circulatory system. Externally set assessment.

Year 11 double Entry Level / AQA Trilogy GCSE

ELC Physics Component 5 External GCSE exams
/ ELC assessments

Summer term

Spring term

Complete all ELC work & submit.

Look at career paths and real world applications of knowledge

Complete all GCSE work and continue with remaining ELC components

ELC coursework

ELC coursework & external assessments

Investigation and work for Teacher Designed
Assessments
Externally set assessment

Complete TDAs and start external ELC assessments

Mock Exams

ELC / GCSE syllabus- selected units Year 11
Autumn
Term



Targeted revision and exam preparation.

Build on knowledge of syllabus ready for mock exams