

## Year 9 GCSE Science

In year 9, we start studying the GCSE syllabus that overlaps with the Key Stage 3 National Curriculum for Science.

We are following the AQA syllabi in GCSE Physics and GCSE Combined Science Trilogy

### Topics

In year 9, you will study the following topics

- Cells and system
- Infection and response
- Periodic table and atoms
- Earth's atmosphere
- Energy
- Particle model of matter

In each of these topics, you will cover the scientific concepts and carry out practical work to develop your practical skills and ability to analyse and evaluate the evidence you collect.

### Practical Science

We will be developing your ability to

- Identify variables and plan an experiment based on a scientific hypothesis
- Evaluate the quality of data and identifying sources of uncertainty in practical work
- Drawing and analysing graphs
- Identifying patterns in data

#### Assessment

At the end of each unit you will complete an end of unit assessment. You will be given a working grade based on historic grade boundaries. In the end of year 9 assessment, you will sit three papers. One for each Science.

The Biology paper will cover cells and systems and Infection and Response.

The Chemistry paper will cover The Periodic table and the Earth's atmosphere

The Physics paper will cover Energy and the Particle model of matter

#### Our expectations of you

Bring all correct equipment to all lessons

Complete homework on time and to the best of your ability

Take responsibility for revising key scientific language and concepts from checklists on a regular basis using Seneca learning.