

## Science

(Note: Practical skills are taught across all Key Stages)

### Year 7 (6 hours a fortnight)

Topic taught: Step 1-2 Cells and Organisation, Space, Atomic Structure, Chemical analysis, Ecology, Electricity and magnetism, Energy changes, Pressure, Waves and forces, Inheritance

### Year 8 (6 hours a fortnight)

Topics taught: Step 2-3 Cells and Organisation, Space, Atomic Structure, Chemical analysis, Ecology, Electricity and magnetism, Energy changes, Pressure, Waves and forces, Inheritance

### Year 9 (6 hours a fortnight)

All Year 9 students begin Key Stage 4 in Year 9.

Topics taught: Infection and response, Atomic Structure, Particle model of matter, Bioenergetics, Bonding, Atomic structure (Physics)

### KS4 (9 hours a fortnight)

We teach AQA 9-1 GCSE 2016 curriculum. All courses are now linear and 100% exam assessed. There are two options:

#### **Triple Science. Students study for 3 Separate GCSE's**

- Biology: Students study modules 1-7 Assessed through two 1hr 45min papers in Y11 each paper is worth 50% of the final grade.
- Chemistry: Students study modules 1-10 Assessed through two 1hr 45min papers in Y11 each paper is worth 50% of the final grade.
- Physics: Students study modules 1-8 Assessed through two 1hr 45min papers in Y11 each paper is worth 50% of the final grade.

#### **Trilogy. Students study for 2 Separate GCSE's**

- Students study Biology, Chemistry and Physics over two years.
- Students will sit six exams at the end of year 11. These will be 1hr 15min each and worth 16.7% of the GCSE. They will cover:
  - Biology topics 1-7
  - Chemistry topics 8-17
  - Physics topics 18-24