

## GCSE Science

Pupils in Y11 at Maple study science, this builds on the work they have done previously. The course includes a range of required practical investigations alongside the theory.

The content of the AQA syllabus is:

### Biology

1 Cell biology 2 Organisation 3 Infection and response 4 Bioenergetics 5 Homeostasis and response 6 Inheritance, variation and evolution 7 Ecology 8 Key ideas

### Chemistry

9 Atomic structure and the periodic table 10 Bonding, structure, and the properties of matter 11 Quantitative chemistry 12 Chemical changes 13 Energy changes 14 The rate and extent of chemical change 15 Organic chemistry 16 Chemical analysis 17 Chemistry of the atmosphere 18 Using resources 19 Key ideas

### Physics

20 Energy 21 Electricity 22 Particle model of matter 23 Atomic structure 24 Forces 25 Waves 26 Magnetism and electromagnetism 27 Key ideas

### Assessment

Pupils are baseline tested at the start of the year and then assessed internally at the end of each half term. This information is used to determine a predicted GCSE grade. They are given their results and advice on how they can improve after each test. The formal GCSE assessment is in the May/June exam series and consists of six written papers of 1 hour and 15 minutes each.