

## Subject: Science

### Year 7

Students study the following topics:

#### Biology:

- Cells
- Sex and reproduction
- Ecology
- Classification

#### Chemistry:

- Acids and alkalis
- Reactions and Combustion
- Particle theory
- Rocks and weathering
- Energy and sustainability

#### Physics:

- Electrical circuits
- Forces
- The solar system



### Year 8:

Students study the following topics:

#### Biology:

- Digestion
- Respiration
- Microbes and disease
- Inheritance
- Photosynthesis

#### Chemistry:

- Water
- Atoms, elements and compounds
- Materials and recycling
- Earth and the atmosphere

#### Physics:

- Energy changes and transfers
- Sound
- Light
- Fuels and electricity
- Forces and pressure

### Additional information:

Students might find the following websites useful:

<http://www.bbc.co.uk/education/subjects/zng4d2p>

<http://ntscience.co.uk/powerpoint/index.html>

<http://www.docbrown.info/ks3science.htm>

There are Key Stage 3 Science books available that will be a useful accompaniment to the course.