



## MODULES/UNITS

Key stage three science is a two year course, covering two courses in biology, chemistry and physics each year. There is a large focus on the development of key scientific skills such as understanding variables, producing tables, graphs, re-arranging formula and writing conclusions throughout each year.

Assessment: End of topic assessment and an end of year exam in both year 7 and year 8.

All pupils are issued with a password for Educake, a website which will allow pupils to undertake interactive homework and revision on the different topics being studied.

Groups are not set in year 7 or year 8

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Science in year 7:

- Cells & Organ systems and Reproduction in biology
- States of Matter and Elements & Compounds in chemistry
- Forces, Electricity and Energy in physics

Science in year 8:

- Plants, Adaptations and Ecosystems in biology
- Chemical Reactions and Acids & Bases in chemistry
- Energy, Waves and Space in physics

Science in year 9:

- The environment and genetics in biology
- Rates of reaction and environmental chemistry
- Forces & electricity and waves & pressure in physics.

## Year 9

In year 9 students follow a foundation course designed to prepare them with the necessary skills to be successful learners at GCSE. Students still study two topics each of Biology, Chemistry and Physics, with the second being taught by a subject specialist.

In year 9 pupils will have the option to apply to take a separate science course for their GCSEs. Those selected for the separate science course must meet a minimum academic standard which takes into account the end of year exam and the individual topic assessments carried out throughout the year.

## OTHER INFORMATION

### Useful Websites

- [www.educake.co.uk](http://www.educake.co.uk)
- [www.bbc.co.uk/bitesize/ks3/science](http://www.bbc.co.uk/bitesize/ks3/science)
- [www.darvill.clara.net](http://www.darvill.clara.net)
- [www.skool.co.uk/keystage3](http://www.skool.co.uk/keystage3)
- [www.docbrown.info/ks3science](http://www.docbrown.info/ks3science)
- [www.schoolscience.co.uk](http://www.schoolscience.co.uk)
- [www.sciencenewsforkids.org](http://www.sciencenewsforkids.org)
- [www.nhm.ac.uk/](http://www.nhm.ac.uk/)
- [www.sciencemuseum.org.uk](http://www.sciencemuseum.org.uk)

**Homework and Revision** Revision booklets are prepared in school, alternatively an KS3 CGP revision guide will be useful.

**Equipment** Calculators and protractors are needed for science.

**Contacts** Mr M Smith (Subject Leader in Science)