

SCIENCE – KS3

Year 7

In Year 7 pupils are taught the following topics; -

- Energy
- Electricity and Magnetism
- Changing State
- Plants
- Living Things
- Burning
- Metals
- Life Stories
- Forces

Pupils are taught in their form groups. The topics are taught in the order above on a rota system. Pupils are taught three topics every term. At the end of Year 7 the pupils sit a summative formal exam based on their knowledge gained over the year.

During each topic pupils will be expected to plan, carry out and write up experiments pertaining to a specific learning objective.

Year 7 pupils from September 2003 onwards will start preparing for the Key Stage 3 SAT exams. They will be following programmes of study based on the English National Curriculum for Science at Key Stage 3.

Text Books:

The standard class text for year seven is called 'Eureka' (1R), ISBN 0 435 576097. Other texts including the 'Spotlight Science' and 'Starting Science' series are used to support the standard text.

Year 8

In Year 8 pupils are taught the following topics; -

- Acids and Bases
- Vital Organs
- Nutrition
- Light and Sound
- Matter

Environment
Energy
Earth and Space
Rocks

Pupils are taught in their form groups. The topics are taught on a rota system. Pupils are taught three topics every term. At the end of Year 8 the pupils sit a summative formal exam based on their knowledge gained over the year.

During each topic pupils will be expected to plan, carry out and write up experiments pertaining to a specific learning objective.

Year 8 pupils from September 2003 onwards will start preparing for the Key Stage 3 SAT exams. They will be following programmes of study based on the English National Curriculum for Science at Key Stage 3.

Text Books

The standard class text for year eight is called 'Eureka' (2R), ISBN 0 435 576275. Other texts including the 'Spotlight Science' and 'Starting Science' series are used to support the standard text.

Year 9

In Year 9 pupils are taught the following topics; -

Forces
Ecosystems
Periodic Table
Metals and Non-Metals
Energy
Plants
Human Body
States of Matter
Electricity and Magnetism

Pupils are taught in sets, grouped by academic ability. The topics are taught on a rota system. Pupils are taught four topics in the first term and the remainder in the second term.

During each topic pupils will be expected to plan, carry out and write up experiments pertaining to a specific learning objective. In the third term of year nine all pupils will start the first topic of IGCSE biology or IGCSE combined science.

Currently, at the start of the third term pupils sit the KS3 'Checkpoint' exam. This exam is externally marked by the Cambridge Examination Board. From September 2005, Year 9 students will sit the SAT exams of the English National Curriculum. These papers are externally marked in the UK.

Text Books

The standard class text for year nine is called 'Eureka' (3R), ISBN 0 435 576453. Other texts including the 'Spotlight Science' and GCSE Co-ordinated Science' series are used to support the standard text.