

# Science Year 8

**Curriculum Manager:** Mr Hughes

**Teaching Staff:** Mr Carey, Mr Damant, Mr Fox, Mr Hughes, Mrs Lay, Mr Maguire, Mr Mee, Miss Mercer, Miss Quinn, Mr Reeve and Mr Walker

**Curriculum Overview:**

The Year 8 Science course provides a programme of study that not only fulfils all the requirements of the National Curriculum, but also helps pupils to make the transition to GCSE Science. This ensures that pupils will steadily grow in confidence when using mathematical skills, thinking scientifically and communicating their ideas clearly and logically.

**Topics Studied - Term 1**

- Combustion
- Energy transfer
- Food and nutrition
- Light

**Topics Studied - Term 2**

- Breathing and respiration
- Metals and their uses
- Unicellular organisms

**Topics Studied - Term 3**

- Fluids
- The Periodic table
- Earth and space

**Assessments:**

Pupils are assessed regularly using quick assessment tasks which inform students of their own progress.

Assessments are carried out at the end of each unit in class and results are used to monitor progress of the pupils throughout the year. Standard and higher tier tests are available in each topic to provide assessment from grade B2 to 5 (the tier of test will depend on target level and performance in class). Revision lessons and materials are embedded into teaching time, and this can be supported by the purchase of revision guides and workbooks.

Cumulative assessments will be carried out at the end of the autumn and spring terms to assess all of the pupils' knowledge on Science taught during the year.

Pupils will also take Year 8 Core Assessment exams as written assessments in the summer term. The Core Assessment exams contain content from Year 7 and Year 8, and the results from these will be used to determine Science sets in Year 9. It is therefore vital that pupils constantly revise previous content to retain scientific knowledge. Revision lessons and materials will be provided to help pupils prepare for the exams.

**Homework:**

Teachers set regular ActiveLearn online homework and this may be augmented by other sources of homework e.g. Internet research, revision tasks for assessments. All homework is communicated to pupils and parents/carers via 'Show My Homework'.

**Other Useful Information:**

The Science Faculty shares a range of resources via Google Classroom, allowing pupils to test their knowledge and revise Science topics (code: 2d7wps).

KS3 Science revision guides are available to purchase from the Science Faculty (price: £5.50).

The BBC Bitesize website is highly recommended for helping pupils to revise Science topics, and many apps are also available to help with revision (search 'KS3 Science apps').