

Science Year 8

Curriculum Manager:

Mr I Hughes

Teaching Staff:

Mr T Carey, Mr G Damant, Mr M Fox, Mr I Hughes, Mr S Hurst, Mrs K Lay, Mr I Maguire, Mr A Mee, Miss J Mercer, Miss C Quinn, Mr M Reeve, Mr D 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 students 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 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.

Other Useful Information:

The School's virtual learning site, Moodle, has a range of Science resources shared via Google Classroom, allowing pupils to test their knowledge and revise subjects (code: 42tie).

KS3 Science revision guides are available to purchase from high street book shops and online retailers.

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').