

# Science Year 7

## 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 7 Science course provides a programme of study that not only fulfils all the requirements of the National Curriculum, but also helps to lay secure foundations for work at Key Stage 4. This ensures that, from the start of Year 7, students will steadily grow in confidence when using mathematical skills, thinking scientifically and communicating their ideas clearly and logically.

### Topics Studied - Term 1

- Cells, tissues, organs and systems
- The particle model
- Energy
- Muscles and bones

### Topics Studied - Term 2

- Atoms, elements and molecules
- Current electricity
- Forces
- Mixtures and separation

### Topics Studied - Term 3

- Sound
- Ecosystems
- Acids and alkalis
- Sexual reproduction in animals

## 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 B3 to 4+ (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 an End of Year Assessment, which will include content taught throughout the entire year. It is therefore vital that pupils constantly revise previous content to retain scientific knowledge. Revision lessons and materials will be provided in class and via Google Classroom 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: w1rezmb).

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').