

# Science Year 7

**Curriculum Manager:** Mr I 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 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, pupils 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 & systems
- Forces
- Acids and alkalis
- Muscles and bones
- Working scientifically

**Topics Studied - Term 2**

- Atoms, elements and molecules
- Mixtures and separation
- The particle model
- Energy
- Working scientifically

**Topics Studied - Term 3**

- Sound
- Ecosystems
- Sexual reproduction in animals
- Current Electricity
- Working scientifically

**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. All homework is communicated to students 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 subjects (code: w1rezmb).

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').