

Science Year 11

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:

In Year 11 pupils complete their study the Combined Science (9-1) GCSE course. The course delivers a programme of study across a number of topics that fulfil the requirements of the National Curriculum, and includes focus on Core Practical content, which is a key element of the new 9-1 Science GCSE Science. The course provides the basis for Level 3 study in a wide range of scientific subjects such as Applied Science, Sports Science and more traditional options such as A Levels in Biology, Chemistry or Physics.

Topics Studied - Term 1

- Animal Coordination, Control and Homeostasis
- Electricity and Circuits
- Ecosystems and Material Cycles
- Magnetism and the Motor Effect/Electromagnetic Induction

Topics Studied - Term 2

- Fuels/Earth and Atmospheric Science
- Particle Model/Forces and Matter

Topics Studied - Term 3

- Revision of all topics

Assessments:

Pupils are assessed regularly using quick assessment tasks and low stakes quizzing which inform students of the progress they have made.

Pupils will be assessed at the end of each topic using GCSE exam-style questions. Standard and higher tier tests are available in each topic to provide assessment from grade 1 to 9 (the tier of test will depend on target 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.

Pupils will sit mock exams in the autumn and spring terms, and it is vital that pupils constantly revise previous content to retain scientific knowledge. Pupils will sit six GCSE examinations in May/June:

Biology 1: 15/5/18

Chemistry 1: 17/5/18

Physics 1: 23/5/18

Biology 2: 11/6/18

Chemistry 2: 13/6/18

Physics 2: 15/6/18

Homework:

Teachers set regular ActiveLearn online homework, and Mr Damant has created a weekly revision programme within ActiveLearn. This may be augmented by other sources of homework e.g. Internet research, revision tasks for assessments or exams, learning Physics formulas from the planner.

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: vwx8u).

GCSE Science revision guides are available to purchase from the Science Faculty (£8.50 for the Combined Science revision guide and workbook).

The timetable for Science revision is displayed in every classroom.

The BBC Bitesize website is highly recommended for helping pupils to revise Science GCSE topics.