

Science Year 11

Curriculum Manager: Mr Hughes

Teaching Staff:

Mr T Carey, Mr G Damant, Mr M Fox, Mr I Hughes, 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 of 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

- Magnetism and the Motor Effect/Electromagnetic Induction
- Ecosystems and Material Cycles
- Groups in the Periodic Table/Rates of Reaction/Heat Energy Changes in Chemical Reactions

Topics Studied - Term 2

- Particle Model/Forces and Matter
- Fuels/Earth and Atmospheric Science
- Revision of all topics

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: 14/5/19

Chemistry 1: 16/5/19

Physics 1: 22/5/19

Biology 2: 7/6/19

Chemistry 2: 12/6/19

Physics 2: 14/6/19

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 or exams, learning Physics formulas from the planner. 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 (*Year 9, 10 and Year 11 start your Science revision here!* code: vwx8u), allowing pupils to test their knowledge and revise GCSE topics.

GCSE Science revision guides and workbooks are available to purchase from the Science Faculty (£8.50 for Combined Science and £15 for Triple Science).

The Science Faculty provides a comprehensive suite of after-school Science revision sessions – the timetable for these is provided on Google Classroom and displayed in every Science classroom.

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