



Department: Science

Overview: We will be following AQA Activate 1 and 2 at KS3 and the AQA specification at GCSE for Combined – Trilogy and Separate Sciences

In Years 7 and 8 students are taught stimulating and exciting topics which include numeracy and literacy skills to promote a deep understanding of Science and linking all three scientific disciplines. In year 9 students will be challenged further in Biology, Chemistry and Physics to giving them a better foundation for the new GCSE combined and triple examination in Key Stage 4. These include Chemistry topics on the atmosphere, pollution and materials; Biology topics considering aspects of genetics, disease and how to keep a healthy balance in life; Physics topics including aspects of energy and forces. In year 10 and 11 students will then be studying either: Separate Science or Combined Science (Trilogy). Separate Science students will be working towards achieving GCSE's in Biology, Chemistry and Physics. Combined Science students will be working towards two GCSEs in Combined Science.

Assessment

Pupils are assessed every half term via end of topic test for each unit. End of topics tests will be carried out using a variety of different tests which assess them on all aspects of their science knowledge including the way science works; there will be a written test administered in the classroom as well as online testing.

Assessment takes place part way through and at the end of each half term. Assessments may feature content previously covered within each key stage to prepare them for the new linear examinations. All year groups take key examinations or public examinations towards the end of an academic year.

Grouping & Setting

In Year 7, students are placed into groups based on their progress assessed throughout the year and on end of year tests. In Years 8-11 students are taught in sets. These sets are reviewed each half term after end of unit tests. Teaching and learning is differentiated, in both lessons and homework to help all students reach the full potential. Intervention groups are available for all students, G&T or those not achieving their target grades in order to maximise their performance in examinations.

Support/ Revision/ Extra Curricular and Useful Websites

- BBC Bitesize KS3 Science, CGP KS3 revision book, My Free Science lessons website, Mymathsphysicstutor website.
- Students will have the opportunity to participate in Science centred extra-curricular activities with some focus on examination performance. Younger students can join a Science Club. Students of all ages, will also have the opportunity, to take part in ..