



Department: Science

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

In Years 7 and 8 pupils 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 pupils 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, pupils will then be studying either, Triple Science or Combined Science (Trilogy). Triple Science pupils will be working towards achieving GCSE's in Biology, Chemistry and Physics. Combined Science pupils will be working towards two Science GCSEs.

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, pupils are placed into groups based on their progress assessed throughout the year and on end of year tests. In Years 8-11 pupils are taught in sets. These sets are reviewed each half term after end of unit tests. Teaching and learning is differentiated, in all lessons and homework is given to help all pupils reach their full potential. Intervention groups are available for all pupils, 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, SAM Learning
- Pupils will have the opportunity to participate in Science centred extra-curricular activities with some focus on examination performance. Younger pupils can join a Science Club. Pupils of all ages, will also have the opportunity to take part in national competitions, for example, the 'Crest' award and 'London Mayor's award'.