SUBJECT: GCSE SEPARATE SCIENCES (TRIPLE AWARD)	
HEAD OF DEPARTMENT: Mrs. K Ardley	SYLLABUS NUMBER: AQA Biology 8461, Chemistry 8464, Physics 8462

CONTENT

This course will lead to three GCSEs – GCSE (9-1) Biology, GCSE (9-1) Chemistry and GCSE (9-1) Physics. The topics which will be studied are set out below. These are the same topics as for Combined Science but they will be studied in more depth.

Biology
• Cell biology
• Organisation
• Infection and response
• Bioenergetics
• Homeostasis and response
• Inheritance, variation and evolution
• Ecology

Chemistry
• Atomic structure and the periodic table
• Bonding, structure, and the properties of matter
• Quantitative chemistry
• Chemical changes
• Energy changes
• The rate and extent of chemical change
• Organic chemistry
• Chemical analysis
• Chemistry of the atmosphere
• Using resources

Physics
• Forces
• Energy
• Waves
• Electricity
• Magnetism and electromagnetism
• Particle model of matter
• Atomic structure

RESOURCES

Students will have access to the AQA text book.

SETTING ARRANGEMENTS

There will be two parallel sets for those pupils following a triple award in Science.

STUDY ADVICE:

Students will be set regular homework to consolidate material covered in lessons and develop skills. There will be regular tests for which revision is essential. A science clinic is held once a week where students can discuss any difficulties they are encountering with members of the Science department.

ASSESSMENT

All three sciences are linear courses with assessment at the end of the 2 year course in June. Students will sit two exams in each Science at the end of year 11.
The Separate Sciences GCSEs (9 - 1) do not include any course work or controlled assessments.

EXTRA CURRICULAR OPPORTUNITIES

Occasional outside speakers and competitions