COMBINED SCIENCE TRILOGY

**Examination board:** AQA 8464

**Topics studied:** The topics studied are cell biology, organisation, infection and response, bioenergetics, homeostasis, inheritance, variation and evolution, ecology, atomic structure, bonding, properties of matter, quantitative chemistry, chemical changes, energy changes, organic chemistry, chemical analysis, chemistry of the atmosphere, using resources, energy, electricity, particle model of matter, atomic structure, forces, waves, magnetism and electromagnetism, space and practical skills.

**Assessment:** Pupils take six examination papers, two for each of biology, chemistry and physics, at the end of year 11. Each paper is 1 hour 15 minutes in duration. Two GCSEs are awarded and are graded on a scale of 9-9 to 1-1, of which 9-9 is the highest. Papers can be taken at foundation or higher level; foundation tier papers allow the achievement of grades from 1-1 to 5-5, while the higher tier papers allow grades from 4-4 to 9-9.

BIOLOGY

**Examination board:** AQA 8461

**Topics studied:** The topics studied are: cells and organisation, infection and disease, bioenergetics, biological responses, inheritance, genetics and reproduction, evolution, ecology and practical skills.

**Assessment:** Pupils take two examination papers, each 1 hour 45 minutes in duration, at the end of year 11. The qualification is graded on a scale of 9 to 1, of which 9 is the highest. Papers can be taken at foundation or higher level; foundation tier papers allow the achievement of grades from 1 to 5, while the higher tier papers allow grades from 4 to 9.

CHEMISTRY

**Examination board:** AQA 8462

**Topics studied:** The topics studied are: atomic structure & 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.

**Assessment:** Pupils take two examination papers, each 1 hour 45 minutes in duration, at the end of year 11. The qualification is graded on a scale of 9 to 1, of which 9 is the highest. Papers can be taken at foundation or higher level; foundation tier papers allow the achievement of grades from 1 to 5, while the higher tier papers allow grades from 4 to 9.

PHYSICS

**Examination board:** AQA 8463

**Topics studied:** The topics studied are energy, electricity, particle model of matter, atomic structure, forces, waves, magnetism and electromagnetism, space and practical skills.

**Assessment:** Pupils take two examination papers, each 1 hour 45 minutes in duration, at the end of year 11. The qualification is graded on a scale of 9 to 1, of which 9 is the highest. Papers can be taken at foundation or higher level; foundation tier papers allow the achievement of grades from 1 to 5, while the higher tier papers allow grades from 4 to 9.