Subject: Combined Science

Qualification: GCSE Double Award

Exam Board: AQA

Specification Code: 8464

Who is the course for?

Combined Science (Double Award) students in Years 10 and 11 will study Science for 9 periods a fortnight as part of a broad and balanced curriculum. The aim is for you to: -

- develop an understanding of the nature, processes and methods of science, through different types of scientific enquiries that help answer scientific questions about the world around you
- develop and learn to apply observational, practical, modelling, enquiry and problem solving skills, both in the laboratory, in the field and in other learning environments
- develop your ability to evaluate claims based on science through critical analysis of the methodology, evidence and conclusions, both qualitatively and quantitatively

What will I learn?

Biology topics: Cell Biology; Organisation; Infection and response; and Bioenergetics.Homeostasis and response; Inheritance, variation and evolution; and Ecology.

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

Physics topics: Energy; Electricity; Particle model of matter; and Atomic structure. Forces; Waves; and Magnetism and electromagnetism.

How will I be assessed?

6 Exam papers - 2 Biology, 2 Chemistry, 2 Physics

Each worth 16.7% of the GCSE and consisting of structured closed short answer and extended response questions.

21 Required practicals must be completed for the exams

It should be noted that the requirement for taking A-level Sciences is a minimum of two grade 6 at GCSE and Grade 6 in both English and Maths.You will require a minimum of Grade 7 in Maths GCSE to study A level Physics.

Tiers of Entry Foundation (Grades 5-1) and Higher (Grades 9-5)

How can I progress with this qualification?

QEGS

GCSE Double Award Combined Science

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QEGS Sixth Form

A Level Biology, Chemistry and Physics

or Sixth Form College

Level 3 BTEC Applied Science

T levels in Engineering or Science

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The future

University, College, Medicine, Veterinary Science, Nursing, Laboratory Technician, Dentistry, Dental Technician, Engineering, Pharmacy, Teaching, Banking plus many more