

Mulberry

Academy Woodside

CORE SUBJECTS: GCSE Separate Science - Chemistry

HEAD OF DEPARTMENT

Mr G Mason

EXAM BOARD

Edexcel

BREAKDOWN OF MARKS

Paper 1 - 50%

Paper 2 - 50%

The score from both papers are combined to give you an overall score, which then gives you your grade.

Each paper is out of 100 marks.

Each paper also has two extended answer 6 mark questions, which are worth 12% of your overall grade.

SKILLS

Ability to study independently
Application of prior knowledge
Application of knowledge to unfamiliar situations
Calculations and other mathematical skills such as graph drawing
Carry out practical work to a high standard
Evaluating experimental procedure and evidence
Make links between different subject areas
Organisation

VITAL INFORMATION

If you are interested in studying Separate Science then you should speak to either your class teacher, head of department, or Year 10 and Year 11 students who currently study Separate Science. You will be entered for Biology, Chemistry and Physics; you cannot pick just one of these subjects. The course is also demanding as it contains content which has moved down from A-Level. The exam papers are longer than Combined Science- 1 hour 45 minutes compared to 1 hour 10 minutes

CURRICULUM CONTENT

The curriculum covers a broad range of content that touches on many different aspects of Chemistry.

The curriculum focuses on key concepts such as atoms and the Periodic Table, chemical reactions and hydrocarbons. It will also expand on the work that you have previously done in Years 7 through to 9.

You will learn about the development of the Periodic Table, different types of chemical bonding, acids and alkalis, chemistry specific calculations, reactivity and chemical reactions, the atmosphere, hydrocarbons and identifying unknown chemicals.

There is additional content that you will cover when compared to Combined Science.

You will also study core practicals which you are required to have either carried out or seen. The core practicals will get you to apply your knowledge to unfamiliar situations.

There will also be some mathematics involved, particularly rearranging and solving equations, unit conversions and applying equations to unfamiliar situations

CURRICULUM & CAREER PROGRESSION

NEXT STEPS

A-Level Chemistry
A-Level Environmental Science
A-Level Geology
BTEC Level 3 Environmental Sustainability
BTEC Level 3 Pharmaceutical Science

CAREERS

Analytical Chemist
Chemical Engineer
Geochemist
Hazardous Waste Chemist
Materials Scientist
Research Scientist
Toxicologist
Water Chemist