

# Mulberry

## Academy Woodside

### CORE SUBJECTS: GCSE Separate Science - Biology

#### 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 Biology.

The curriculum focuses on key concepts such as cells, life processes and the environment. It will also expand on the work that you have previously done in Years 7 through to 9.

You will learn about the enzymes, the nervous system, genetics, evolution, health and disease, plants, hormones, life processes and the environment.

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 Biology  
A-Level Environmental Science  
A-Level Nutrition and Food Science  
A-Level Psychology  
A-Level Sports Science  
BTEC Level 3 Applied Human Biology  
BTEC Level 3 Pharmaceutical Science  
BTEC Level 3 Sports Science

##### CAREERS

Doctor  
Ecologist  
Forensic Scientist  
Midwife  
Nature Conservation Officer  
Nurse  
Pharmacologist  
Research Scientists  
Sports Scientist