

## SCIENCE – DOUBLE AWARD - GCSE

Double Science (GCSE) – AQA trilogy

### What qualification does this course lead to?

The Dual Award Science will give students 2 GCSE's in Science, these may be a different grade or the same grade. You will be able to take A levels in Biology, Chemistry and Physics if you achieve Grade 6 or above. You will also be able to study for vocational courses and other Science related courses such as Veterinary nursing, P.E. and Leisure and Engineering. You will have 10 lessons a fortnight.

The Course is 100% Examination with no coursework or controlled assessment. Students sit 6 1 hour 15 minute examinations, two in Biology, two in Chemistry and two in Physics.

### What topics will I study?

Examples of topics you will study include:

#### Biology

1. Cell Biology
2. Organisation, Digestive System and Circulatory system. Plant Systems
3. Infection and Response
4. Bioenergetics
5. Homeostasis and Human Nervous System
6. Endocrine system
7. Genetics and Inheritance
8. Ecology

#### Chemistry

1. Atomic structure and Periodic Table.
2. Bonding Structure and the properties of matter
3. Chemical Changes
4. Energy Changes
5. The Rate and Extent of Chemical change
6. Organic Chemistry
7. Chemical Analysis

#### Physics

1. Energy
2. Electricity
3. Atomic Structure
4. Forces
5. Motion
6. Waves
7. Magnetism and Electromagnetism

### What understanding and skills will I develop?

During these units you will be taught how to look at evidence, how to debate and how to interpret information. You will learn how to research topics, present information and analyse and evaluate your work. You will also be able to express your ideas about Science and explore all aspects of How Science Works.

### How will I learn/how will I be taught?

You will be taught by specialist teachers for each unit. Modules have a hands on aspect allowing students to do practical's, group work, paired work and research throughout the modules. Topics will be taught throughout year 10 and 11.

### How will I be assessed?

The course is linear and assessment will be through end of course exams.

### What can this course lead on to?

Learners can progress to GCE in Biology, Chemistry, Physics or Applied Science, relevant NVQ qualifications, or enter employment.

### Who do I need to contact for more information?

Miss C. North, Mr S. Jones, Mrs R. Rothwell