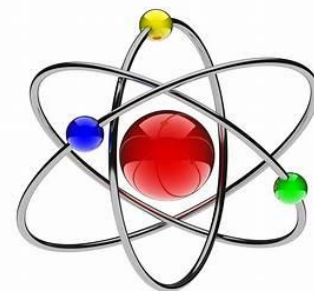


SINGLE AWARD SCIENCE

Introduction

GCSE Single Award Science is a two year course that consists of three areas of study that broadly fall into the headings of Biology, Chemistry and Physics. Added to these areas of study is a practical assessment known as a Controlled Assessment Task (CAT). Each of the components is worth 25% of the final grade.

There are two possible tiers of entry, Foundation and Higher. Students entered for Foundation Tier are limited to a maximum grade of a Grade C*. Higher Tier allows students to achieve a grade between A*-D.



What will it be like?

Students will study modules in Biology, Chemistry and Physics. During the two years, students will learn about a range of topics that will give them a grounding in Scientific Principles and an understanding of how Science influences the world in which we live.

Students will learn about topics such as Nano Technology, Forensic Science, Purification of Metals, How the body reacts to infection, Cells, Ecology, Energy and Energy Transfers and Road Safety to name a few.

Over the course of the two years the students will complete a range of practical work to support their learning in class and to prepare them for completion of their Controlled Assessment task in their Year 12 year.

Assessment

The course consists of 4 modules:

- Biology
- Chemistry
- Physics
- Controlled Assessment

Each module is worth 25% of their final grade. One module is completed in the February of Year 11 and another in the November of Year 12. The final module and the Controlled Assessment module are completed in the summer of Year 12 as their final examination.

Each module is externally set by the examination board CCEA. These examinations each contribute to a student's final grade. It is essential that all students properly prepare themselves for each examination. The Science Department will not provide standard school equipment for the completion of these examinations. To help your son/daughter with their preparation they will be given a selection of Past Papers before each examination; however, the Science department have placed more tests and mark schemes in the College's VLE (Virtual Learning Environment).

In the January to April of Year 12 the students will complete the first part of their Controlled Assessment module. This is a practical task set by CCEA and externally marked. The final part of the Controlled Assessment module is completed in the summer of Year 12 as a written paper based on the practical work completed throughout the two years.

Career Progression

Science is a key subject in the modern world. Single Award Science provides the student with a good understanding of the Scientific Method and develops their awareness of the importance of STEM in today's world.

Single award Science also provides a pathway for students to continue to study Science for Post 16 Study within the college.

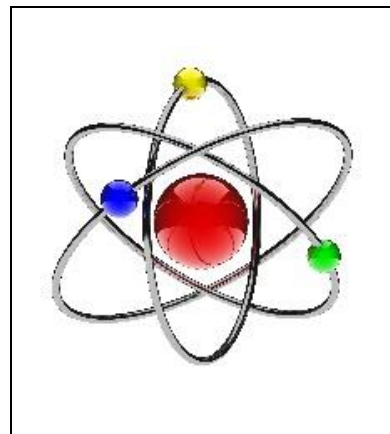
Single Award Science is required for many further education courses.

DOUBLE AWARD SCIENCE

Introduction

GCSE Double Award Science is a two year course that is divided into three areas of study, Biology, Chemistry and Physics. Added to these areas of study is a practical assessment known as Controlled Assessment Tasks (CATs) which are worth 25% of the final grade. Double Award Science counts as two GCSE Grades so students are awarded a double grade.

There are two possible tiers of entry, Foundation and Higher. Students entered for Foundation Tier are limited to a maximum grade of a Grade C*C*. Higher Tier allows students to achieve a grade between AA*-DD.



What will it be like?

Students will study modules in Biology, Chemistry and Physics. During the two years, students will learn about a range of topics that will give them a solid understanding of Science works and prepare students for further Science study.

Students will study a wide range of topics across the three science disciplines over the course of the two years.

Students will study various topics from the ecological relationships in habitats, how elements bond together to how Nuclear Fusion powers the sun.

Over the course of the two years the students will complete a wide range of practical work to support their learning in class and to prepare them for completion of their Controlled Assessment tasks in their Year 12 year.

Assessment

During the course of the two years' students will be able to complete modules in the three science disciplines that will contribute to their final grade.

In Year 11 students will complete a modular examination in Biology, Chemistry and Physics each worth 11% of their final grade.

Between January and April of Year 12 the students will complete the first part of their Controlled Assessment Practical Tasks in Biology, Chemistry and Physics. These tasks are set by CCEA and are marked externally. The final part of the Controlled assessment module is completed in the summer of Year 12. This consists of a written paper in each of the disciplines and based on the practical work completed throughout the two years.

In the Summer of Year 12 the students will complete final examinations in Biology, Chemistry and Physics.

Each module is externally set by the examination board CCEA. These examinations each contribute to a student's final grade. It is essential that all students properly prepare themselves for each examination. The Science Department will not provide standard school equipment for the completion of these examinations.

To help your son/daughter with their preparation they will be given a selection of Past Papers before each examination; however, the Science department have placed more tests and mark schemes in the College's VLE (Virtual Learning Environment).

Career Progression

Double Award Science provides access to a range of further education study and provides access to the College for Post 16 Science study.

Students who study Double Award Science are able to progress into many different careers such as Engineering, Nursing, Health Care, Environmental Sciences and Agriculture.

Double Award Science provides the student with a solid understanding of Science and its role in our modern world and the importance of STEM. Through Studying Double Award Science students will gain an in depth knowledge of Science at GCSE level.