

<b>Subject Title:</b>	<b>LIFE AND HEALTH SCIENCES</b>
<b>Type of Qualification:</b>	Single Award 'A' Level
<b>Examination Board:</b>	CCEA
<b>Location:</b>	Glastry College
<b>Subject Leader:</b>	Mr K Debbadi



### Entry Requirements

- Study CCEA Double Award Science or equivalent and achieve a grade CC  
**OR**
- Study CCEA Single Award Science or equivalent and achieve a grade C\*  
**OR**

*Students should also have achieved a grade C in both English and Maths*

### What will I learn?

The course is broken into 6 modules across the two years of study.

#### Year 13

Experimental techniques. This involves completing a range of practical tasks across Biology, Chemistry and Physics to develop practical skills and further understanding.

Human Body Systems. The module examines the various processes that allow for the healthy functioning of the body.

Aspects of Physical Chemistry. This module develops knowledge and practical skills in Chemistry.

#### Year 14

The Scientific Method. This module provides the opportunity to research an area, carry out practical tasks on it and create a final write up.

Organic Chemistry. This module introduces students to Organic Chemistry and its importance in Industry.

Medical Physics. This module allows students to learn how Physics is used in the Health Care profession and the technology and science behind diagnostic tests.

### What skills will I develop?

The course is designed to develop a wide range of skills which are essential for both Further and Higher Education or for Employment.

Throughout the course, you will develop Problem Solving Skills, Analytical Skills, Evaluation Skills and Research Skills. You will also further develop your time management skills as you will need to work to deadlines set by your teachers. Developing these skills is not only important for successful completion of the course but also for achievement in later life.

While Life and Health Science is an A level in Science however it does provide a vocational (work based) approach to studying science. Thoughts from students:

**'I feel that by studying Life and Health Sciences I have greatly improved my practical skills, as well as my confidence.'**

**'I have learned a lot about industrial processes and how things are made.'**

**'I have gained confidence in my knowledge of the Human Body and would definitely consider a career along the line of Science.'**

**'I feel like I have learnt a lot in Science in all areas and have developed my knowledge in Biology and Chemistry.'**

### Assessment

#### Year 13

Molecules and Cells- External Examination

Organisms and Biodiversity- External Examination

Practical Skills Assessment- External Examination and Internal Practical Assessments.

#### Year 14

Physiology, Co-ordination and Control and Ecosystems- External Examination

Biochemistry, Genetics and Evolutionary Trends- External Examination

Practical Skills Assessment- External Examination and Internal Practical Assessments.

### Career Progression

The course provides the technical knowledge, skills and understanding associated with Science. Students who study this course will be prepared for further study in Science or entry in a range of Science Careers