

Welcome to Advanced Higher Chemistry!

Who is this course aimed at?

- Pupils who enjoy chemistry.
- Pupils that have managed to keep up with chemistry during S3-S5.
- Potential University students (but not always) of chemistry, biology, physics, engineering, pharmacy, biochemistry, medicine, dentistry.

What do you achieve in Advanced Higher Chemistry?

- Good preparation for carrying out a science based degree at University.
- Preparation with your own individual learning as you go on to further education.
- A large number of laboratory skills and techniques.
- Scientific skills such as research, data analysis and report writing.

Is it hard work?

-The short answer is yes. **HOWEVER**, If you work in an organised manner from the beginning it is manageable and definitely not impossible.

### Units

The Advanced Higher Chemistry course consists of four units. The first three units are mainly theory based with some practical work. The final unit, Researching Chemistry is mainly a practical based unit and works as a useful stepping stone for the project which is normally carried out towards the end of the course. The units for the course are listed below:

-Inorganic Chemistry

-Physical Chemistry

-Organic Chemistry and Instrumental Analysis

-Researching Chemistry

This unit is assessed through the skills and calculations you gain by carrying out practical experiments and researching information.



### Course Assessment

You will be assessed throughout the Advanced Higher course in a similar way to the class tests that were given in the Higher Chemistry course.

The final exam consists of one question paper (3 hours) which is split into two sections.

**Section 1: 25 marks**

Multiple choice

**Section 2: 85 marks**

Extended response questions (including open-ended)

The 110 marks from the exam paper are then scaled to 120 marks.

The project is worth 25 marks and is scaled to 40 marks. This will account for 25% of the final mark.

### Organisation

There are several useful websites that can help you through the course. Scholar (from Heriot-Watt University) is probably the most complete as it gives clear explanations and also contains small and regular block tests.

The course is also covered by the textbook Advanced Higher Chemistry CfE from the publisher BrightRED.

-You will need a folder for your notes.

-You will need A4 lined paper to take notes.

-Notes will be taken during lessons along with the distribution of handouts.

-Regular homework will consist of completing questions, preparing tutorials and revising your notes.

-Good organisation is the ideal preparation for success in Advanced Higher Chemistry and ultimately University.

