Science

Chemistry

Advanced Higher

Course Length	1 year
Entry Requirements	Higher (Grade A or B)
Intended Audience	S6
Number of Units	3
Assignment/Added Value Unit	YES
Course Exam	YES

Course Description

Chemistry, the study of matter and its interactions, plays an increasingly important role in most aspects of modern life.

This course allows you to develop a deep understanding of the nature of matter, from its most fundamental level to the macroscopic interactions driving chemical change.

The course aims to develop a sound theoretical understanding and practical experience of experimental investigative work in biological science through the AH Chemistry Project, which represents 25% of the overall marks for the course assessment. You will also learn about scientific method and the principles of experimental design.

Expectations for Homework

You will be expected to complete regular homework assignments to support and consolidate learning and to prepare for regular key area assessments. These assignments will develop skills in application of knowledge and understanding to new scenarios, as well as skills in numeracy and investigative design.

Skills Focus

Additional Course Information

The units in the Chemistry course are:

- Inorganic and Physical Chemistry
- Organic and Instrumental Analysis
- Researching Chemistry

You will further develop your ability to think analytically, creatively and independently to make reasoned evaluations and to apply critical thinking in new and unfamiliar contexts to solve problems. The course offers you flexibility and personalisation as you decide the choice of topic for your project.