

IGCSE CHEMISTRY

EXAMINATION BOARD

Edexcel

DESCRIPTION OF COURSE

Chemistry is the study of materials, chemical reactions and how new materials and chemical processes are invented. It is ultimately the study of the behaviour of matter (stuff!). So, if you'd like to know more about how a hand-warmer works, how fireworks get their colours, or where we get our fuel from, these are just some of the questions Chemistry will help answer for you! Apart from being fascinating and practical, Chemistry is the central science that affects all aspects of our lives. An understanding of Chemistry is necessary to accessing the other sciences. You simply cannot escape it!

All of the materials used by engineers and technologists are made by chemical reactions and we all experience chemical reactions all of the time, whether it be breathing, baking a cake, driving a car or playing with your iPhone.

SKILLS TAUGHT

During the Chemistry course you will learn about many things such as:

- the different types of matter and their behaviour
- the famous atom!
- Mendeleev's fascinating periodic table of elements
- how the millions of different substances around us are made through bonding
- how energy changes during a chemical reaction and how we can change the rate of a reaction.
- some of the most important industrial Chemical processes driving science and technology today.
- about the world of metals, their characteristics, reactions and behaviour.
- why that thick, black sticky stuff called crude oil that comes out of the ground is so important.

Aside from all of that lovely theory, you will be carrying out many different practicals and learning to perfect a variety of practical skills that will help you greatly in any laboratory-based profession or in advanced scientific studies to name a few.

METHOD OF ASSESSMENT

Chemistry IGCSE

Paper 1 (**Paper code: 4CH1/1C**) - Theory (Core) – 2 hours 66.7%

Paper 2 (**Paper code: 4CH1/2C**) - Theory (Extended) – 1 hour 33.3%

CAREER OPTIONS

There are many to choose from! Medicine, Pharmacy, Dentistry, Chemical Engineering, Forensics, Food Science, Materials and Geology are just some of them.

Studying Chemistry gives you access to hundreds of degree courses and many career options for the future, whether you decide to continue studying Chemistry or not. Lastly, believe us when we say a qualification in Chemistry indicates a high level of competence.