

CHEMISTRY

Subject Description

The Course develops learners' interest in and enthusiasm for chemistry through a variety of contexts relevant to chemistry's impact on society, namely: utilising nature's resources, chemical analysis, and the development of new and novel applications. It offers a broad, versatile and adaptable skill set which is valued in the work place, and forms the basis for progress onto study of chemistry at a higher level, while also providing a knowledge base useful in the study of all of the sciences.

Course Content

S3 Chemistry consists of 3 main units of work:

- 1) Nature's Chemistry:
Fuels, Hydrocarbons, Everyday consumer products, Plants to products.
- 2) Chemistry in Society:
Metals and Alloys, Materials, Fertilisers, Nuclear Chemistry, Chemical analysis.
- 3) Chemical Changes and Structure:
Rates of Reaction, Atomic structure and bonding related to properties of materials, Energy changes of chemical reactions, Acids and Bases.

Pupils are expected to undertake regular homework exercises in addition to revision.

Progression and Pathways

This course provides an important foundation to support the entry to National 4 or National 5 Chemistry courses.