

BGE 3rd Year

Department: Sciences Chemistry

BGE Course: Chemistry

Brief Description of Course:

We hope to foster in pupils an interest in the chemistry all around us e.g. in the everyday products we use from medicines and plastics to mobile phone covers We consider the properties of substances and how to change one substance into another, whilst raising awareness of citizenship and environmental issues such as the dangers of acid rain and global warming.

The third year chemistry course will continue pupils' broad general education in Chemistry and will cover level 4 Benchmarks which build on work carried out in S2 and prepare pupils for senior phase courses.

During the year pupils will learn about and investigate areas of

- Atomic theory – structures, properties and reactions of elements and compounds.
- Chemical reactions – how to control them and measure the rate of a reaction.
- Chemical formulae, equations and simple calculations
- Acids and alkalis – reactions involving these types of compound and their uses in everyday life.

Assessment Strategies:

Assessment of the Benchmarks will be carried out at the end of each topic of work and will be based on knowledge and understanding, problem solving skills and practical skills. Pupils will also complete experimental work and investigations which will prepare them for assessment at National 5 level in S4.

Pupil Commitment:

Since Chemistry depends on the gradual building of chemical concepts and knowledge, pupils at all stages are encouraged to show commitment to their studies right from the beginning of their courses. They are supported in this through the setting of regular homework exercises, and encouraged to consolidate their knowledge and skills through regular, effective home study. Pupils should make effective use of their notes in completing homework and any pupils experiencing problems should seek help from their teacher in advance of the due date.