CHEMISTRY - the right formula for you!

From the moment you're born and throughout your life, you are surrounded by chemistry - in the air, in your food and in your clothes. Chemistry is a study of substances, what they are made of, how they interact and what role they play in living things. Chemistry teachers are the "Harry Potters" and "Hermione Grangers" of King's Park.

Chemists:

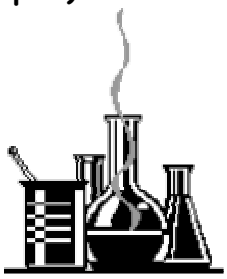
- develop new materials for computers and mobile phones
- make medicines to fight serious illnesses eg cancer/AIDS
- create new toiletries eg make up, hair gel
- develop exciting new ice cream flavours

Choose chemistry and become "a magician with matter".

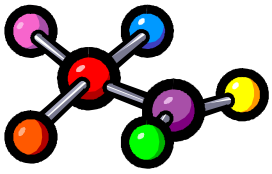
Standard Grade Chemistry

In Standard Grade Chemistry, there are 15 topics:

Chemical Reactions and Speed of Reactions (2 topics)

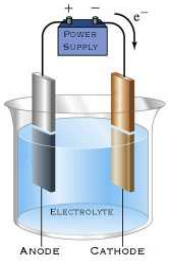


Atoms and the Periodic Table, and How Atoms Combine (2 topics)



Fuels and Hydrocarbons (2 topics)

Properties of Substances and Making Electricity (2 topics)



Acids and Alkalis, and Reactions of Acids (2 topics)

Metals and Corrosion (2 topics)

Plastics, Fertilisers and Carbohydrates (3 topics)

Standard Grade Chemistry is studied at **General** and **Credit** levels. The course includes practical work and experiments as well as development of problem solving skills and knowledge and understanding. During the course you will be tested on practical skills - this is worth 20% of your overall grade. You will also sit an external exam which will assess you in Knowledge and Understanding, and Problem Solving skills.

Progression - to Intermediate 2 Chemistry or Higher Chemistry in S5, with Advanced Higher Chemistry in S6.

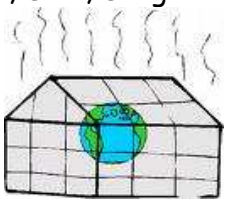
Intermediate 1 Chemistry

In Intermediate 1 Chemistry, there are 3 units:

Chemistry in Action
Substances, Chemical reactions, Bonding, Acids and Alkalis

Everyday Chemistry
Metals, Cleaning chemicals, Fuels and Plastics

Chemistry and Life
Respiration, Greenhouse effect, Effects of Chemicals on plants, Food, Diet, Drugs



On the Intermediate 1 Chemistry course, each ***unit*** is assessed in class by an end of unit test and practical assessments. The ***course*** is assessed by sitting an external exam and in order to pass the whole course, you have to pass this exam as well as all 3 units. Each unit passed will be certificated by SQA.

Progression

Pupils who perform well in Intermediate 1 may progress to Intermediate 2 Chemistry in S5.

CAREERS IN CHEMISTRY

Chemistry is a highly desirable and sometimes essential subject for many jobs as well as for further education and university courses.

Pharmacy

Materials science

Food science

Chemical Engineering

Oil Industry

For further information on a career in Chemistry visit www.rsc.org