

<b>FACULTY:</b>	<b>SCIENCE</b>
<b>TITLE OF COURSE:</b>	<b>CHEMISTRY</b>
<b>LEVEL:</b>	<b>HIGHER</b>
<b>RECOMMENDED ENTRY LEVELS:</b>	<b>An A or B grade pass at National 5 Chemistry A pass in National 5 Maths</b>

### **Which topic areas are covered in Higher Chemistry?**

- **Chemical Changes & Structure**  
(Controlling the Rate; Periodicity; Structure & Bonding)
- **Nature's Chemistry**  
(Esters, Fats & Oils; Proteins; Chemistry of Cooking; Oxidation of Food; Soaps, Detergents & Emulsions; Fragrances; Skin Care)
- **Chemistry In Society**  
(Getting the most from Reactants; Equilibria; Chemical Energies; Oxidising or Reducing Agents; Chemical Analysis)
- **Researching Chemistry**  
(skills of scientific inquiry, investigation and the ability to apply practical skills, chemical theory, analysis, synthesis and thinking skills in order to undertake research in chemistry)

### **Which skills are taught?**

- Scientific and analytical thinking skills in a Chemistry context
- Problem solving skills in a Chemistry context
- Understanding the role of Chemistry in scientific issues
- Acquire and apply knowledge and understanding of concepts in Chemistry
- Develop an understanding of relevant applications of Chemistry in society
- Develop literacy and numeracy skills
- Develop employability and enterprise skills.

### **Is there an external examination in the subject?**

Yes, final exam consists of 20mrks multiple choice and 80mrks written questions. This is added to the **Researching chemistry** report mark to give a final grade.

### **Internal assessment:**

Progress of pupils is maintained throughout the course by unit assessments.

**These will be amended by the SQA for 2017-18**

### **What kind of homework is given to support learning?**

Knowledge and understanding, problem solving, using equations, research projects including scientific report writing and investigations.

### **How often is it issued?**

Homework is issued on a regular basis throughout the week.

### **What careers would benefit from a knowledge of the subject?**

A vast number of careers benefit from a knowledge of Chemistry. For example: Medicine, Engineering; Oil Industry; Architecture; Forensics; Teaching; Dentistry; Nutrition; Journalism; Veterinary Science; Material Science; Pharmacy; Archaeology; Geology; Oceanography; Laboratory Technician.

### **How can parents help?**

Encourage students to take responsibility for their own learning and seek support where necessary.