

Chemistry

Why choose Chemistry?

- It is an interesting subject requiring and developing a variety of skills
- Your chosen career may need a qualification in chemistry.
- A qualification in chemistry is highly valued and leads to a (<http://www.greenhead.ac.uk/subjects/chemistry/> - do) wide variety of careers. If you are undecided, more options are kept open by studying chemistry. It develops skills of analysis and evaluation both highly valued in all areas of employment or higher education

What can I expect to learn?

You will build on your knowledge and skills from GCSE and you will explore topics such as atomic structure, periodicity, and an introduction to organic Chemistry. You will also investigate kinetics, equilibria and inorganic Chemistry. There is an emphasis on using investigative techniques and laboratory based practical work to enhance your learning.

You will study a range of topics that will be tested in different papers. At least 15% of the paper involves maths and therefore we will look at both your Maths and English before accepting you onto the Chemistry course.

As there is no coursework, practical skills are assessed throughout the two years and there are 12 required practicals that must be carried out and recording in a lab book. To pass the practical element all lessons must be attended and recorded to a suitable standard and this appears as a separate mark along with your final grade.

Where does this course lead?

If you are interested in medicine related careers such as becoming a doctor or a dentist you will find that a level Chemistry is a requirement.

You will also find opportunities in the following areas;

- Chemical Industry
- Public Services
- Academia and Teaching
- Publishing, Technical Writing
- Patent Law, Intellectual Property Law
- Finance and Investment Analysis

Entry requirements:

Separate Sciences.

If you study separate Science you need a minimum **grade 6** in Chemistry. Additionally you need at least a **grade 4** in English and **grade 5** in Maths.

Combined Sciences

You need a minimum **grade 6** overall in Combined Science and your Chemistry component must be minimum grade 6.

Additionally you need at least a **grade 4** in English and **grade 5** in Maths.

