

## CHEMISTRY

ACCREDITING AUTHORITY | AQA

### **COURSE LEVEL 3** | A Level

#### **WHAT IS CHEMISTRY?**

Chemistry is everywhere in the world around you! It's in the food you eat, clothes you wear, water you drink, medicines, air, cleaners... you name it. Chemistry sometimes is called the "central science" because it connects to other sciences, such as biology, physics, geology and environmental science.

#### **METHOD OF ASSESSMENT**

##### [Chemistry 7405/7505](#)

AS Chemistry – has 2 x 1hr30 min exams (50% each) plus 6 required practical's.

Topics studied include:

Atomic structure, Amount of substance, Bonding, Kinetics, Equilibria, Periodicity, Group 2 metals, Halogens, Introduction to organic chemistry, Alkanes, Halogenoalkanes, Alkenes, Alcohols and Organic analysis.

A2 Chemistry - has 2 x 2hr exams (35% each) plus 1 x 2hr exam (30%) plus 12 required practical's.

Topics studied include:

All AS topics plus Thermodynamics, Rate equations, Equilibrium constant, Reaction of period 3 elements, Transition metals, Ion reaction analysis, Isomerism, Carboxylic acids and Spectroscopy.

#### **ENTRY REQUIREMENTS**

Minimum of a 7 and 6 in GCSE Science (or included in triple science grades), plus a 6 in GCSE Mathematics and a 6 in GCSE English

#### **FUTURE PROSPECTS**

Career prospects for Chemistry graduates are very good. Jobs directly related to a Chemistry degree include Analytical Chemist, Chemical Engineer, Healthcare Scientist, Forensic Scientist, Research Scientist and Toxicologist. In addition, and A Level in Chemistry is needed for entry to Medicine and Veterinary Medicine degree courses.

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