

Sandwell Academy

Advanced General Certificate of Education CHEMISTRY

WHY CHEMISTRY?

The opportunities for students of Science, on completion of full-time education, are enormous. There are many possible careers within the scientific world and qualifications in Science subjects are acceptable as an entry into many other careers.

Science students at Sandwell Academy will be prepared to move into Higher Education courses and careers in a wide variety of different fields including;

Medicine	Education
Forensic Science	Pharmacy
Veterinary	Dentistry
Finance	Consultancy, Sales and Marketing
Research Chemistry	Electronic Engineering
Nursing	Aeronautics
Computing	Biological Sciences
Chemical Engineering	Food Science

The Science courses offered at Sandwell Academy are designed to provide academic and vocational experiences. They will prepare students for their choice of career in both the world of work and Higher Education.

SPECIFIC ENTRY REQUIREMENTS

3 Periodic table and energy

Written examination

You will study the periodic table in depth and identify periodic and group properties. You will also study enthalpy changes, rates of reaction and apply knowledge of rate to reversible reactions. You will study the applications of energy use to everyday life and industrial processes, and current environmental concerns associated with sustainability.

4 Core organic chemistry

Written examination

This module provides a foundation for the study of organic chemistry and to illustrate and raise issues regarding the applications of organic chemistry to everyday life. You will study functional groups, organic reactions and isomerism. You will specialise in organic practical skills and synthesis organic compounds. You will also study