

## MODULES/UNITS

The pupils study AQA A Chemistry (7405). Over the course of 2 years' pupils study 6 different modules and complete a number of required practicals.

### A-level Chemistry

**Further physical chemistry:** Including thermodynamics, rate equations, the equilibrium constant  $K_p$ , electrode potentials and electrochemical cells.

**Further inorganic chemistry:** Including properties of Period 3 elements and their oxides, transition metals, reactions of ions in aqueous solution.

**Further organic chemistry:** Including optical isomerism, aldehydes and ketones, carboxylic acids and derivatives, aromatic chemistry, amines, polymers, amino acids, proteins and DNA, organic synthesis, NMR spectroscopy, chromatography.

## COURSEWORK DEADLINES/EXAMS

## WHEN

GCSE/AS/A LEVEL	DATE OF EXAMS
PAPER 1 (35%)	JUNE
PAPER 2 (35%)	JUNE
PAPER 3 (30%)	JUNE
PRACTICAL ENDORSEMENT (PASS / FAIL)	

## UNITS

## TERM

FURTHER PHYSICAL CHEMISTRY

SUMMER AND  
AUTUMN

FURTHER INORGANIC CHEMISTRY

SPRING AND  
SUMMER

FURTHER ORGANIC CHEMISTRY

SPRING

## OTHER INFORMATION

Students have the opportunity to use the new Kerboodle resources that support the course. These include an interactive course book, lab activity sheets and extension reading.

Exam papers and lesson power points are all available to the students through the student drive. Students are advised to purchase CGP revision guides, available through school.

Pupils can access course materials via the AQA web-site [HTTP://WWW.AQA.ORG.UK/SUBJECTS/SCIENCE/AS-AND-A-LEVEL/CHEMISTRY-7404-7405](http://www.aqa.org.uk/subjects/science/as-and-a-level/chemistry-7404-7405).

For any further information regarding A-level Chemistry contact Dr Crawshaw, Head of Science on [jcrawshaw@samuelward.co.uk](mailto:jcrawshaw@samuelward.co.uk)