

# COURSE OUTLINE

## CHEMISTRY - A LEVEL



St Katherine's School



### COURSE OUTLINE

Chemistry is an enjoyable and interesting subject that fosters scientific curiosity and problem solving throughout the course. Chemistry is a subject that is highly regarded by universities and workplaces as it shows you possess skills in numeracy, creativity, logical thinking and problem solving as well as many others.

A Level chemistry opens up a wide range of career opportunities, both inside and outside STEM subjects. These can include medicine, chemistry and biochemistry as well as accounting, maths and business among a variety of others. Apprenticeships or jobs that would benefit from chemistry are also greatly varied due to the skills that you can demonstrate you have applied throughout the course.

Chemistry can be taken alongside other science subjects and maths but could also complement a broad range of other subjects.

### DETAILS ABOUT THE COURSE

#### Topics covered:

Topic 1: Practical skills in chemistry

Topic 2: Foundations in chemistry

Topic 3: Periodic table and energy

Topic 4: Core organic chemistry

Topic 5: Physical chemistry and transition elements

Topic 6: Organic chemistry and analysis

#### Co-curricular/trips:

Chemistry Olympiad, Cambridge Chemistry Challenge.

#### Future prospects:

Biochemistry, chemistry, teaching, medicine, nursing, environmental sciences, forensic science, veterinary science, accounting.

#### You might also take...

Biology, physics, maths, PE, psychology, geography.

### KEY INFORMATION

#### Prior attainment:

Five grades at 9-4

Grade 6 in GCSE chemistry or grades 6,6 in combined science required

Grade 7 in GCSE chemistry or grades 7,7 in combined science desirable

#### Examination board:

OCR A specification

#### Assessment:

##### Year 1:

Early hurdle

Module tests

Paper 1 - Breadth in Chemistry (70 marks)

Paper 2 - Depth in Chemistry (70 marks)

##### Year 2:

Module tests

Paper 1 - Periodic table, elements and physical chemistry (100 marks)

Paper 2 - Synthesis and analytical techniques (100 marks)

Paper 3 - Unified chemistry (70 marks)

Practical skills: CPAC qualification assessed throughout by teachers.