



# A Level Chemistry

## Why study Chemistry?

To gain fundamental understanding of the processes and phenomena that makes up all materials and the foundations of life itself. Advances in both Physics and Biology are often intertwined with, and rely on, chemical ideas and knowledge. Humankind

#### Assessed

- Written exam: 2 hours
- 105 marks
- 35% of A-Level

#### Questions

105 marks of short and long answer questions

#### Paper 3

#### What's assessed

- Any content
- Any practical skills

#### Assessed

- Written exam: 2 hours
- 90 marks
- 30% of A-Level

#### Questions

40 marks of questions on practical techniques and data analysis

20 marks of questions testing across the specification

30 marks of multiple choice questions

## Which activities will I be engaged in during the course?

You will enjoy this course if you enjoy understanding why things happen at a fundamental level, looking at why elements, mixtures and compounds react together and understanding why different substances have specific properties. You will also be involved in many activities and learn new techniques and skills in Chemistry. You will carry out experimental work, in differing contexts, to illustrate the theoretical principles of Inorganic, Physical and Organic chemistry.

To achieve the higher grades in this course you must be prepared to put in the hours of work necessary to be skilled in evaluating abstract concepts and constructing your own mental models of the processes involved.

The learning habits you might be asked to draw upon include:

- x Reading around the subject area to gain insight into current accepted knowledge in addition to theories and advances
- x Evaluating your understanding and identifying any misconceptions within a topic.
- x Formulating questions, posing problems and investigating ways to find solutions.

## How can I prepare for the course?

By attending an induction session at the end of Year 11 where you will review relevant content and complete a baseline knowledge assessment. At this session you will also receive a suggested reading list and resources to use in your independent study.

**Subject entry requirements:** Grade 6 in Chemistry or, Grade 6 in Combined Science

Further information: Mr C Stuart (Head of Science)