



# CHEMISTRY

## WJEC AS/A2

### ENTRY REQUIREMENTS

Grade B or above in GCSE Chemistry on higher tier papers plus a Grade B in Maths and C English (Lang or Lit). If studied double award you will need a BB and a B grade in all Chemistry modules.

### TEACHING & LEARNING

Students are provided with copies of all notes but, in addition, are expected to extend these and to read around the subject. End of topic questions and tests are used extensively. Full use is made of available past papers, mark schemes and examiners reports. Through discussion, a target grade is set for each student and corresponding work is regularly marked with a percentage and a corresponding grade. This allows students to monitor their own progress and be mindful if targets have been reached or not. They are encouraged to comment on their results and - with their teacher - to identify any weak areas that may be present in their work. In addition to their lesson time, students are advised that they will need to devote at least a further seven hours a week to studying this subject.

### CAREER OPPORTUNITIES

Advanced Level Chemistry provides an essential foundation for the further study of Chemistry and other related higher education courses such as Medicine, Biochemistry, Molecular Biology, Chemical Engineering etc. It is a very useful supporting subject for a range of science courses. Success in Chemistry indicates achievement in a variety of skill areas and consequently, the subject is held in high regard when applying for future studies or work. Students often find that the skills acquired are sought after in careers that are not necessarily science related.

### PROFILE

The Advanced Level specification provides a suitable foundation for the study of Chemistry or a related area in higher education. It also provides a coherent, satisfying and worthwhile course of study for candidates who do not progress to further study in the subject.

### CONTACT

Subject Lead: Mr Williams

### ASSESSMENT STRUCTURE

#### AS

Unit 1: The Language of Chemistry, Structure of Matter and Simple Reactions

Unit 2: Energy Rate and Chemistry of Carbon Compounds

#### A2

Unit 3: Physical & Inorganic chemistry

Unit 4: Organic chemistry & analysis

Unit 5: Practical Assessment