

YEAR 12 | CRIMINOLOGY

The curriculum and assessment of students at this stage of education has been carefully designed to promote deep learning of criminology:

- to develop the skills required for independent learning and development
- to develop a range of generic and transferable skills
- to develop the ability to solve problems
- to develop the skills of project-based research
- to provide students with independent study skills necessary for higher education

HALF TERM 1

All students will know:

The different types of crime.
The reasons that certain crimes are unreported.
The consequences of unreported crime.
Media representations of crime.
The impact of media representations on the public perception of crime.

All students will be assessed:

Combination of pop quizzes and exam-style questions in preparation for the first (internal) assessment in half-term 3.

Reading skills needed for this unit:

Reading for information
Summarising key points
Understanding command word

Key vocabulary:

White collar crime, State crime, Hate crime, Honor crime, Domestic abuse, Moral panics, Folk devils

HALF TERM 2

All students will know:

Methods of collecting statistics about crime.
How to compare campaigns for change.
The effectiveness of the media used in campaigns for change.
How to plan campaigns for change.

All students will be assessed:

Combination of pop quizzes and exam-style questions in preparation for the first (internal) assessment in half-term 3.

Reading skills needed for this unit:

Reading for information
Summarising key points
Understanding command word

Key vocabulary:

Reliability, Validity, Ethics of research, Euthanasia, Abortion
Viral messaging, Social networking

Guest speakers arranged by Aim Higher.
Criminology taster sessions and open days are available to students from a range of universities throughout the academic year

HALF TERM 3

All students will know:

This term will be devoted to revision and the completion of the first internal assessment.

All students will be assessed:

Students will complete their first assessment.

Reading skills needed for this unit:

Reading for information
Summarising key points
Understanding command word

Key vocabulary:

White collar crime
State crime
Hate crime
Honor crime
Domestic abuse
Moral panics
Folk devils

HALF TERM 4

All students will know:

The difference between criminal behaviour and deviance.

The social construction of criminality.

The biological theories of criminality.

The individualistic theories of criminality.

All students will be assessed:

Combination of pop quizzes and exam-style questions in preparation for their external examination in half-term 6 (this may change depending on the examination dates issued by the examination board).

Reading skills needed for this unit:

Reading for information
Summarising key points
Understanding command word

Key vocabulary:

Deviance
Norms
Moral codes
Culture
Genetics
Learning theories
Psychodynamic

HALF TERM 5

All students will know:

Sociological theories of crime.

The effectiveness of criminological theories to explain the causes of criminality.

The causes of policy change (theories, social change and campaigns).

All students will be assessed:

Combination of pop quizzes and exam-style questions in preparation for their external examination in half-term 6 (this may change depending on the examination dates issued by the examination board).

Reading skills needed for this unit:

Reading for information
Summarising key points
Understanding command word

Key vocabulary:

Interactionism
Realism
Functionalism
Marxism
Labelling
Zero tolerance
Demographic changes
Pressure groups

HALF TERM 6

All students will know:

This term will be devoted to revision and the completion of the first external assessment.

All students will be assessed:

Students will complete their first external assessment.

Reading skills needed for this unit:

Reading for information
Summarising key points
Understanding command word

Key vocabulary:

Learning theories, Psychodynamic , Interactionism, Realism
Functionalism, Marxism , Labelling , Zero tolerance
Demographic changes, Pressure groups

HOW STUDENTS CAN BE SUPPORTED AT HOME

Refer to module handbook

HOW THIS LEARNING WILL BE EMBEDDED ELSEWHERE IN THE CURRICULUM

All aspects of criminology are covered across modules taught within A Level Law, A Level Psychology and A Level Sociology.

YEAR 13 | A LEVEL CHEMISTRY

The curriculum and assessment of students at this stage of education has been carefully designed to promote deep learning of Chemistry and develop students into Chemists:

Students will build on fundamental concepts delivered in Year 12, taking a deeper look into physical chemistry and transition elements (module 5) alongside organic chemistry and analysis (module 6). The teaching approach will be sequential, students will work through organic chemistry in module 6 before completing module 5. Throughout the year, students will be securing and applying their AS knowledge, making clear links and building on their understanding of chemistry. Embedded into the curriculum are opportunities for students to think critically about chemistry processes alongside developing high quality practical skills. Students will gain an understanding of apparatus and explore routes into a number of careers as well as furthering their understanding of chemistry in the real world. By the end of the year, students will have acquired the knowledge and skills needed to sit their A-Level exams.

HALF TERM 1 MODULE 6

All students will know:

1. Aromatic Chemistry
2. Carbonyls and Carboxylic Acids
3. Amines, amino acids and proteins

All students will be assessed:

- » Students will be formatively assessed throughout the teaching of each topic using past exam questions, homework activities and quizzes.
- » At the end of each topic, students will sit a summative assessment.
- » Practical Skills (PAGs) - students will be assessed against specified skills and techniques provided by OCR to show competency across a range of activities.

Reading skills needed for this unit:

- » Command words.
- » Use of an index/contents.
- » Scanning and skimming of scientific journals.

Key vocabulary:

Kekule, halogenation, chlorination, acylation, electrophilic substitution, nucleophilic addition, hydrolysis.

2. Chromatography and Spectroscopy

All students will be assessed:

- » Students will be formatively assessed throughout the teaching of each topic using past exam questions, homework activities and quizzes.
- » At the end of each topic, students will sit a summative assessment.
- » Practical Skills (PAGs) - students will be assessed against specified skills and techniques provided by OCR to show competency across a range of activities.
- » A mock paper will be completed based on content covered in modules 1, 2, 3 and 5.

Reading skills needed for this unit:

- » Command words.
- » Use of an index/contents.
- » Scanning and skimming of scientific journals.

Key vocabulary:

Amines, aliphatic, optical isomers, chirality, condensation, nitriles, mass spectrometry, gas chromatography, thin layer chromatography, reagents, distillation, reflux.

HALF TERM 2 MODULE 6

All students will know:

1. Organic Synthesis

CURRICULUM AND ASSESSMENT PLAN

YEAR 13 | CHEMISTRY

ENRICHMENT OPPORTUNITIES

Ongoing discussion beyond the scope of the course, online tutorials with university lecturers.

HALF TERM 3 MODULE 5

All students will know:

1. Rates of Reaction
2. Equilibrium
3. Acids, bases and pH

All students will be assessed:

- » Students will be formatively assessed throughout the teaching of each topic using past exam questions, homework activities and quizzes.
- » At the end of each topic, students will sit a summative assessment.
- » Practical Skills (PAGs) - students will be assessed against specified skills and techniques provided by OCR to show competency across a range of activities.

Reading skills needed for this unit:

- » Command words.
- » Use of an index/contents.
- » Scanning and skimming of scientific journals.

Key vocabulary:

orders of reaction, rate equation, continuous monitoring method, half-life, initial rates, rate determining step, arrhenius, K_p, K_a, pK_a.

HALF TERM 4 MODULE 5

All students will know:

1. Buffers and Neutralisation
2. Enthalpy and Entropy
3. Redox and Electrode Potentials

All students will be assessed:

- » Students will be formatively assessed throughout the teaching of each topic using past exam questions, homework activities and quizzes.
- » At the end of each topic, students will sit a summative assessment.
- » Practical Skills (PAGs) - students will be assessed against specified skills and techniques provided by OCR to show competency across a range of activities.
- » A mock paper will be completed based on content covered in modules 1, 2, 4 and 6.

Reading skills needed for this unit:

- » Command words.
- » Use of an index/contents.
- » Scanning and skimming of scientific journals.

Key vocabulary:

Titration curve, born-haber, lattice enthalpies, electron affinity, ionic size, entropy, feasible, redox, oxidation numbers, half-cell, standard electrode potential, gibbs free energy, stereoisomers.

HALF TERM 5 ALL MODULES

All students will know:

1. Transition Elements
2. Unifying Concepts

All students will be assessed:

- » Students will complete OCR past papers to prepare for their examinations, as well as studying success criteria and mark schemes.
- » Focus will be on students making links between modules taught.

Reading skills needed for this unit:

- » Command words.
- » Use of an index/contents.
- » Scanning and skimming of scientific journals.

Key vocabulary:

Ligand substitution.

CURRICULUM AND ASSESSMENT PLAN

YEAR 13 | CHEMISTRY

HALF TERM 6 REVISION + EXAMS

All students will know:

This half term is used for reconsolidation of AS Level Chemistry using feedback from end of topic assessments, mock data and student reflection to guide the topics which are most pertinent before the A2 exams begin.

All students will be assessed:

A2 Summer Examinations.

Reading skills needed for this unit:

- » Command words.
- » Use of an index/contents.
- » Scanning and skimming of scientific journals.

Key vocabulary:

Identify,
describe,
explain,
compare,
analyse,
evaluate,
calculate,
suggest.

ENRICHMENT OPPORTUNITIES

Ongoing discussion beyond the scope of the course, online tutorials with university lecturers.

HOW STUDENTS CAN BE SUPPORTED AT HOME

Websites -

www.chemguide.com

www.physicsandmathstutor.com

www.tailoredtutors.co.uk

Textbooks -

CGP / Pearson 'OCR Chemistry A'

Other -

Physics and maths tutor, OCR Past Paper Finder.

HOW THIS LEARNING WILL BE EMBEDDED ELSEWHERE IN THE CURRICULUM

Biology - understanding of bonding in biological molecules + separation techniques.

Maths - Percentage changes, multi-step calculations, standard form, decimal places.