Subject: Chemistry

Kay Stage 5 Curriculum Plan

Year: 13

Department Information:

8 Science lessons per fortnight. 2 additional period 5 lessons.

Home learning set weekly by the class teacher.

Curriculum aims and intent:

Covering the following modules:
Module 5 - Physical Chemistry and transition elements
Module 6 - Organic Chemistry and analysis

Assessed practical work (PAG)

OCR A-Level Chemistry A Specification - https://www.ocr.org.uk/images/171720-specification-accredited-a-level-gce-chemistry-a-h432.pdf

Resources used to support learning:

OCR past exam papers - https://www.ocr.org.uk/qualifications/as-and-a-level/chemistry-a-h032-h432-from-2015/assessment/

Physics and maths tutor - https://www.physicsandmathstutor.com/chemistry-revision/a-level-ocr-a/

Kerboodle - https://www.kerboodle.com/users/login?user_return_to=%

Home Learning:

Set weekly by class teachers. A range of activities:
- Exam questions
- Flipped learning
- Practical analysis
- Research

Assessment:

Winter mock exams
- Paper 1 - Breadth in Chemistry + 30 additional marks - 100 marks
- Paper 2 - Depth in Chemistry + 30 additional marks - 100 marks

Spring mock exams
- Paper 1 - Periodic table, elements and physical chemistry
- Paper 2 - Synthesis and organic techniques

How parents can help their child:

Supporting with additional resources:

Textbook - https://www.ocr.org.uk/qualifications/as-and-a-level/chemistry-a-h032-h432-from-2015/textbooks/

Encouraging students to complete study period work which is set on MS teams and students should also go over each lesson which are also

Term	Summary of work being covered	Knowledge, Understanding and skills assessed	How the work is assessed	Career Links
1	C19 - Equilibrium C20 - Acids, Bases and pH C26 - Carbonyls and Carboxylic acids C27 - Amines, amino acids and Polymers	Exam technique Practical assessment skills Recall and application of equations Analysis of synthetic routes	C18 + C19 End of topic test C25 + C26 + C27 End of topic test	Medicine Veterinary Sciences
2	C21 - Buffers and neutralisation C28 - Organic synthesis Mock exams	Exam technique Practical assessment skills Recall and application of equations Analysis of synthetic routes	C20 + C21 End of topic test Winter mock exams	Drug development
3	C22 - Enthalpy and Entropy C23 - Redox and electrode potentials C29 - Spectroscopy	Exam technique Practical assessment skills Recall and application of equations Analysis of data Analysis of NMR Spectra	C28 + C29 End of topic test	Analytical Chemist
4	C24 - Transition elements Revision	Exam technique Practical assessment skills	C22 + C23 + C24 End of topic test Spring mock exams	Inorganic Chemist
5	Study leave	All Year 12 and Year 13 content and skills	A-Level exams	Higher education
6	Study leave	All Year 12 and Year 13 content and skills	A-Level Exams	Higher education