Subject: Triple Science: Chemistry **Kay Stage 4 Curriculum Plan** **Year:** 11

Department Information:

4 Science lessons per fortnight.
Home learning set weekly alternating with Seneca online learnng and activities set by the class teacher.
Teacher (2026-27): Veronica Coshall - KS4 - Raising Standards Leader

Curriculum aims and intent:

In Year 11, students continue to follow the AQA GCSE Chemistry specification, building upon the scientific knowledge, skills and understanding developed throughout KS3 and KS4.

In Year 11, new content for triple students include:
Rates of Reaction
Equilibrium and Le Chatelier's Principle
Organic Chemistry
Chemical Analysis
Qualitative Practical Tests

In these lessons we focus on analytical skills, graphing exercises, evaluating data, justifying decisions and logical reasoning. These skills will build upon those developed in KS3.

New content should be fully taught by February half term, leaving 3 months to focus on revision.

Assessment:

November Mock Exams:
- Chemistry Paper 1 (H/F) - 100 marks

March Mock Exams:
- Chemistry Paper 2 (H/F) - 100 marks

June Exams (GCSE):
- Chemistry Paper 1 (H/F) - 100 marks
- Chemistry Paper 2 (H/F) - 100 marks

Resources used to support learning:

Seneca learning - https://senecalearning.com/en-GB/
AQA exam resources - https://www.aqa.org.uk/subjects/science/gcse/science-8464/assessment-resources
Cognito - https://cognitoedu.org/home
AQA Triple Chemistry Specification - https://www.aqa.org.uk/subjects/chemistry/gcse/chemistry-8462/specification/specification-at-a-glance

Home Learning:

Weekly home learning set by class teacher using a range of activities:
- Exam questions
- Seneca learning
- Pre-learning
- Skills practice (Maths, Graphs, investigation skills)

How parents can help their child:

Making sure home learning is completed on time

Supporting your child by ensuring they bring the correct equipment to every lesson - Pen, Pencil, Ruler, Calculator

Encouraging students to go over lessons which are uploaded to MS Teams weekly, and complete exam style questions also on Teams.

Term	Summary of work being covered	Knowledge, Understanding and skills assessed	How the work is assessed	Career Links
1	Rate of Reactions Equilibrium and Le Chateliers Principle Paper 1 Revision	Exam technique Drawing and interpreting graphs Investigative practical skills Recall and application of equations	In class assessments (20 mark end of topic test)	Chemical Engineer Sustainability and Renewables Consultant
2	Paper 1 Revision November Mock Exams (Paper 1)	Exam technique Writing Methods Evaluation of Data Drawing and interpreting graphs Recall and application of equations	Christmas mock exams	Higher Education
3	Organic Chemistry Chemical Analysis Qualitative Analysis	Practical Skills Analysis of Data Problem-Solving	In class assessments (20 mark end of topic test)	Forensic Scientist Analytical Chemist
4	Paper 2 Revision March Mock Exams (Paper 2) Paper 1 Revision	Exam technique Investigative skills Drawing and interpreting graphs Recall and application of equations	Easter mock exams	Higher Education
5	Study Leave	All prior content and skills taught between Year 9 and Year 11	GCSE examinations	Higher Education
6	Study Leave	All prior content and skills taught between Year 9 and Year 11	GCSE examinations	Higher Education