

KEY STAGE FOUR SUBJECT INFORMATION

Subject Title: **GCSE Chemistry**

Subject Team Leader: **Mr L Adams (ladams@perins.hants.sch.uk)**

Examination Board: **OCR www.ocr.org.uk/**

Course Description

The GCSE Chemistry course develops students' broad scientific knowledge as well as their conceptual understanding of a range of topics within chemistry itself. They develop practical and problem-solving skills and an ability to evaluate claims based on science through critical analysis.

The course consists of 100% exams.

Topics of study

C1: Particles

- Particle model
- Atomic structure

C2: Elements, compounds and mixtures

- Purity and separating mixtures
- Bonding
- Properties of materials

C3: Chemical reactions

- Chemical reactions
- Energetics
- Types of chemical reactions
- Electrolysis

C4: Predicting and identifying reactions and products

- Predicting chemical reactions
- Identifying products of chemical reactions

C5: Monitoring and controlling chemical reactions

- Monitoring chemical reactions
- Controlling reactions Equilibria

C6 Global challenges

- Improving products
- Organic chemistry
- Interpreting and interacting with earth systems

Examinations

Chemistry Paper 1 - C1, C2, C3
 Chemistry Paper 2 - C4, C5, C6
(with assumed knowledge of C1,C2,C3)

EACH EXAM COUNTS 50% OF THE OVERALL CHEMISTRY SCIENCE GRADE

EXAMS ARE 1hr 45 min

Total marks available 90

