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Year 9

Department of Chemistry

OVERVIEW

Skills Developed

- Scientific knowledge and conceptual understanding of chemistry
- Application of scientific enquiry to understand nature, processes and methods of science
- Observational, practical, modelling, enquiry and problem solving skills
- Ability to evaluate claims based on science critically, both qualitatively and quantitatively

Topics covered

C1: Particles - The particle model and Atomic structure

C2: Elements, compounds and mixtures: Purity and separating mixtures, Bonding and the properties of materials

How we assess your daughter's progress

- We have three topic tests during the year and a final end-of-year exam.
- Revision lists and knowledge organisers are shared at the start of a topic
- These tests are teacher assessed after which a lesson will be devoted to reviewing the test and improving skills

How we support and develop your daughter

Support Material:

- OCR Gateway GCSE Chemistry Student Book – online textbook
- CGP Revision Guides and Workbooks have proved useful
- Other web-based resources will be recommended when appropriate

How you can help your daughter

- Encourage awareness of science in the wider world through discussion and the use of a range of media
- Ensure that your daughter regularly can successfully carry out practical activities which develop her manipulative skills, such as cooking. Such skills are essential to answer practical based questions
- Encourage effective revision, especially with the application of knowledge