



Year 8

Department of Science

OVERVIEW

Skills Developed

- Knowledge and understanding of science and how science works.
- Application of skills knowledge and understanding
- Practical, enquiry and data-handling skills.
- Problem solving skills.
- Group work, research and presentation skills.
- Understanding of the world around us

Topics covered

Chemistry

- Simple Chemical Reactions
- Metals and the Reactivity
- Mixtures and Compounds
- Acids and Alkalis

Biology

- Biological reactions
- Body Systems
- Disease and Inheritance
- The Environment

Physics

- Forces and Motion
- Electricity
- Pressure
- Magnets

How we assess your daughter's progress

Attainment colours in this academic year and brief explanation:

Orange, Yellow, Green, Blue, Purple (Purple is exceptional and only a small number of students are expected to reach this level)

How we support and develop your daughter

Support Material:

Textbooks (Collins KS3 Science Book 2) available for students to use.

Online textbook and other resources on the KS3 science SharePoint page

How you can help your daughter

Students should bring a laboratory coat, 30cm ruler, calculator, pen, pencil and rubber to all science lessons.

They should have a small science ring-binder to keep all their booklets.

Dexterity and practical skills can be enhanced through cooking and other tasks at home that require accurate measurements and fine motor skills

Assist with revision for unit tests and exams (BBC bitesize is an excellent resource to start with, you can help test them on any flashcards they have made)

Collins Science revision workbooks and textbooks (2nd editions) can reinforce theories taught in lessons.

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