



The Fisher Way: Curriculum



The Fisher Way aims to educate and inspire with joy, faith and love because we are an inclusive Catholic community.

Successful and resilient learners who aspire to and achieve excellence

Confident individuals who can explore and communicate effectively

Responsible citizens who are active, loving and wise in all their endeavours

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| Subject | Chemistry |
| Year Group | Year 7 |
| Intent | <p>Successful and resilient learners: who understand a wide range of chemical concepts and can actively adapt to new situations</p> <p>Confident individuals: who can approach problems and practical situations in a curious and discerning way</p> <p>Responsible citizens: who can eloquently express the implications of chemistry on local, national and global issues, especially environmental ones.</p> |
| Narrative | <i>How are they going to be different when they finish the year?</i> |

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| | <p>All learners will have a greater understanding of the nature of chemical reactions and understand the division between metals and non-metals in terms of their physical and chemical properties <i>How does this link to what they have done before?</i></p> <p>This builds on the work done in the upper KS2 in the Properties and changes of materials and Earth and Space topic, expanding what they have learnt on classifying materials and the sun's influence respectively <i>How does this set them up for the years to come?</i></p> <p>The work on particles is key knowledge in order to tackle atomic structure in Year 8 and 9, along with Rates topic in Y10. C2 below is built on within C3 and C4 topics in Y8 which look further at the periodic table and chemical reactions. Reactions between metals and acids are covered in Year 9.</p> | | | | | |
| Half term | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
| Knowledge (topics studied) | Skills course that covers laboratory skills | C1 Particles, mixtures & universe | | C2 Metals/non-metals, acids/alkalis | | |
| Key skills | Laboratory skills - safety, practical set up, measurements, data handling, maths skills | Working schema of the particles. Practical skills in separating mixtures | | Laboratory skills - safety, practical set up, measurements, data handling, maths skills, research | | |
| Cultural capital | Understanding how working safely impacts everyone | Day length and seasonal influence of the Sun. Life beyond Earth, Space travel | | Household substances and pH | | |
| Assessment | Lab Skills End of Unit Test | 7C1 End of Unit Test | | 7C2 End of Unit Test | | |