



Science



Archdiocese of Liverpool

Curriculum intent:

We aim to provide a high-quality science education in sympathy with the Catholic ethos of the school. We believe that science provides the foundations for understanding the world through the specific disciplines of biology, chemistry and physics. Science has changed our lives and is vital to the world's future prosperity, and all pupils will be taught essential aspects of the knowledge, methods, processes and uses of science. Through building up a body of key foundational knowledge and concepts, pupils will be encouraged to recognise the power of rational explanation and develop a sense of excitement and curiosity about natural phenomena. They will be encouraged to understand how science can be used to explain what is occurring, predict how things will behave, and analyse causes.

Year 11

TERM 1

Content

Biology – Adaptations, interdependence and competition, Organising and ecosystem, Biodiversity and ecosystems

Chemistry – Chemical analysis, The earth's atmosphere, The earth's resources

Physics – Wave properties, Electromagnetic waves, Electromagnetism

Concepts and Skills

Biology: Maths – sampling techniques, calculating percentages, Estimations, Area

Chemistry: Maths – pie charts, Percentages

Physics: Maths – calculating wavelength
Rearranging equations

TERM 2

Biology – Revision of Paper 1 & 2 and Required Practicals

Chemistry – Revision of Paper 1 & 2 and Required Practicals

Physics - Revision of Paper 1 & 2 and Required Practicals

Examination technique and preparation

TERM 3

Biology – Revision of Paper 1 & 2 and Required Practicals

Chemistry – Revision of Paper 1 & 2 and Required Practicals

Physics - Revision of Paper 1 & 2 and Required Practicals

Examination technique and preparation

