



Subject Area: Science – KS3

'The science curriculum at Bideford College is designed to ensure that pupils develop a life-long interest in science to enable them to gain an ever-deepening understanding of the world around them'

Curriculum Overviews	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 7	Physics – Space and the Earth	Biology – Cells and movement Chemistry – Acids and Alkalis Physics – Waves	Physics – Waves Biology – Cells and movement Chemistry – Acids and Alkalis	Biology – Ecology and reproduction Chemistry – Particles and solutions Physics – Forces	Physics – Forces Biology – Ecology and reproduction Chemistry – Particles and solutions	Chemistry – Particles and solutions Physics – Forces Biology – Ecology and reproduction
Year 8	Biology – Food and digestion Chemistry – Acids and alkalis Physics – Energy, heat and magnetism	Chemistry – Acids and alkalis Physics – Energy, heat and magnetism Biology – Food and digestion	Physics – Electricity Biology – Variation Chemistry – Resources from the Earth	Chemistry – Resources from the Earth Physics – Energy and electricity Biology – Variation	Biology – Inheritance Chemistry – Elements, compounds and reactions Physics – Electricity	Physics – Electricity Biology – Inheritance Chemistry – Elements, compounds and reactions
Year 9	Biology – Cell division and organisation Chemistry – Rates of reaction and equilibrium & working scientifically Physics – Energy Resources	Physics – Energy Resources Biology – Cell division and organisation. Chemistry – Rates of reaction and equilibrium & working scientifically	Chemistry – Rates of reaction and equilibrium & working scientifically Physics – Energy Resources Biology – Cell division and organisation	Biology – Organisation and the digestive system Chemistry – The Earth's atmosphere Physics – Maths skills & Electromagnetic waves	Physics – Maths skills & Electromagnetic waves Biology – Organisation and the digestive system Chemistry – The Earth's atmosphere	Chemistry – The Earth's atmosphere Physics – Maths skills & Electromagnetic waves Biology – Organisation and the digestive system

Texts, Exam Boards and Useful Websites:

Key Stage 3 (Year 7, 8 and 9)
My Journey to the Stars - <i>Scott Kelly</i>
When Planet Earth Was New - <i>James Gladstone</i>
Animal Journal - <i>Juan Carlos Alonso</i>
The Science Book – <i>Cyril Aydon</i> – A short history of every major science discovery.
The DNA Detectives: To Catch A Thief - <i>Mandy Hartley</i>
Women in Science: 50 Fearless Pioneers Who Changed the World