



Group	Year 9					
Subject Intent	Our aim is to develop and sustain students' curiosity about the world, enjoyment of scientific activity and understanding of how natural phenomena can be explained through the disciplines of Biology, Chemistry & Physics. The science curriculum is designed to allow students to fulfil the requirements of the National Curriculum but also builds skills and knowledge towards the new GCSE, in order to lay the foundations for work in Years 9-11. With the changes to linear exams and an increasing emphasis on the application of practical skills and numeracy and quality of written communication, there is more emphasis on a practical skills based course in Year 7-8 which builds knowledge and deeper learning through all key stages to secure subject knowledge, practical, mathematical and scientific literacy skills.					
Subject Implementation	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Knowledge	B1- Cells structure and transport C1: Atomic Structure	P1: Energy and Energy Resources B2: Cell Division	C2: The Periodic Table P2: Energy Transfer	B3: Organisation and Digestion C3: Structure and Bonding	P3: Energy Resources B4: Organisation in plants and animals	C4: Chemical calculations P4: Electric Circuits
Skills	Conversion of units, plotting graphs using linear scales	Rearranging equations and substituting values into algebraic equations	Drawing Sankey Diagrams to scale	Geometry	Manipulating and rearranging equations	Ratio, Algebra,
Subject Impact	At the end of the academic year all students will have a final assessment to ascertain their levels for the subject in terms of their understanding, application of concepts and analytical skills. Students will demonstrate secure knowledge of applications of the fundamentals of science and processes to everyday examples. They can confidently use scientific knowledge to plan, hypothesise and collect reliable and repeatable data and manipulate raw data using various mathematical operations.					
Assessment	Summative tests after each unit/Formative assessments	Summative tests after each unit Termly Assessment 1	Summative tests after each unit	Summative tests after each unit Termly Assessment 2	Summative tests after each unit	Summative tests after each unit Termly Assessment 3