







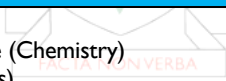


Science Curriculum Plan 2022-2023

Key Skill Development Across the 5 Years

Working Scientifically and Developing Practical Skills	Interpret, Analyse and Evaluate Scientific Information – Reading and Writing Clearly Using Key Scientific Terminology	Developing Mathematical Skills such as: calculations, calculating the mean, median, mode, drawing graphs, converting units, standard forms, etc.	Understanding the relevance of Science in the World around us and the Universe beyond	How to maintain a healthy lifestyle and understand the social, economic and environmental impact of the decisions we make.	STEM opportunities and careers links
					
Y7 Curriculum					
Autumn		Spring		Summer	
Introduction to Science Matter (Chemistry) Organisms (Biology)	Waves (Physics) Chemical Changes (Chemistry) Interdependence (Biology) Forces and Astronomy (Physics)	Reproduction (Biology) Electricity (Physics) Earth Science (Chemistry/Geology) Energy (Physics)			
Y8 Curriculum					
Autumn		Spring		Summer	
Particles (Chemistry) Body Processes (Biology) Forces (Physics)	Chemical Reactions (Chemistry) Bioenergetics (Biology) Waves (Physics)	Evolution and Inheritance (Biology) Earth's Resources (Chemistry) Energy (Physics)			
Y9 Curriculum					
Autumn		Spring		Summer	
The Human Body (Biology) Metals and Non-metals (Chemistry) Forces (Physics)	Plants and Ecology (Biology) Chemical Environment (Chemistry) Energy (Physics)	Health and Lifestyle (Biology) Atomic Structure and the Periodic Table (Chemistry) Electricity and Electromagnetism (Physics)			
Key Stage 4.					
Y10 Curriculum					
Biology (B1) Cell Biology Organisation Infection and Response Bioenergetics	Chemistry (C1) Atomic Structure and the Periodic Table Bonding Structure and the Properties of Matter Quantitative Chemistry Energy Changes	Physics (P1) Energy Electricity Particle Model of Matter Atomic Structure			
Y11 Curriculum					
Biology (B2) Homeostasis and Response Inheritance, Variation and Evolution Ecology	Chemistry (C2) The Rate and Extent of Chemical Change Organic Chemistry Chemical Analysis Chemistry of the Atmosphere Using Resources	Physics (P2) Forces Waves Magnetism and Electromagnetism Space Physics (Physics only)			