

Science LONG-TERM PLAN

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 2	Summer 2
Year 7	Forces - Speed and Gravity Matter - Particle Model and Separating Mixtures	Organisms - Movement and Cells Electromagnets - Voltage and Resistance and Currents	Electromagnets - Voltage and Resistance and Currents Reactions - Metals and Non-metals and Acids and Alkalis	Ecosystems - Interdependence and plant reproduction Energy - Energy costs and Energy Transfer	Energy - Energy costs and Energy Transfer Earth - Earth Structure and Universe	Genes - Variation and Human reproduction Waves - Sound and Light
Year 8	Forces - Contact Forces and Pressure Matter - Periodic Table and Elements	Organisms - Breathing and Digestion Electromagnets - Magnetism and Electromagnetism	Reactions - Chemical Energy and Types of Reaction Ecosystems - Respiration and Photosynthesis	Energy - Work and Heating and Cooling Earth - Climate and Earth Resources	Earth - Climate and Earth Resources Genes - Evolution and Inheritance Waves - Wave Effect and Properties	Waves - Wave Effect and Properties Revision and End of KS3 assessments
Year 9	Bio – Cell Biology Chem – Atomic Structure and the Periodic Table Phy – Energy	Bio – (a) Cell Biology (b) Photosynthesis Chem – (a) Atomic Structure and the Periodic Table (b) Structure, bonding and the properties of matter Phy – Energy	Bio – (a) Photosynthesis (b) moving and changing materials Chem – Structure, bonding and the properties of matter Phy – Electricity	Bio – Moving and changing materials Chem – (a) Structure, bonding and the properties of matter (b) Chemical quantities and calculations Phy –(a) Electricity (b) Particle model of matter	Bio – Moving and changing materials Chem – Chemical quantities and calculations Phy – Particle model of matter	Bio – Health Matters Chem – Chemical Changes Phy – Atomic Structure
Year 10	Bio – (a) Health Matters	Bio – Coordination and Control	Bio – (a) Coordination and Control (b) Genetics	Bio – (a) Genetics (b) Variation and Evolution	Bio – Variation and Evolution	Bio –Variation and Evolution

	(b) Coordination and Control Chem – (a) Chemical Changes (b) Energy changes Phy – (a) Atomic Structure (b) Forces	Chem – (a) Energy Changes (b) The Rate and Extent of Chemical Change Phy – Forces	Chem – The Rate and Extent of Chemical Change Phy – Forces	Chem – Hydrocarbons Phy – (a) Forces (b) Waves and Light	Chem – (a) Chemical Analysis (b) The Atmosphere Phy – Waves and Light	Chem – The Atmosphere Phy – (a) Waves and Light (b) Electromagnetism
Year 11	Bio – Ecology in Action Chem – (a) The Atmosphere (b) Sustainable Development Phy – Electromagnetism	Bio – Ecology in Action Chem – Sustainable Development Phy – Electromagnetism	Revision	Revision	Exams	