

Science Duke's Aldridge long term plan 2024-2025

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 7	Intro to Science Atoms and the periodic table	The particle model Cells and organisation	Pure and impure Forces	Forced Organ systems and processes 1 Acids and alkalis	Energy Ecology	Space Revision for end of year exam
Year 8	Skills Health Chemical reactions	Chemical reactions Electricity	Respiration Impact of human activity Waves	Impact of human activity Waves Variation	Magnetism and electromagnetism Photosynthesis	Muscles and bones Revision for end of year exam
Year 9	Cell Biology Atomic structure and Periodic table	Energy Organisation Chemistry fundamentals	Electricity Infection and response Matter and reactions	Matter and reactions Bioenergetics	The Earth's resources Forces	Organ system Magnetism and electromagnets Waves Revision for end of year exam
Year 10 Separates	Infection and response Structure and bonding Electricity	Bioenergetics Quantitative Chemistry Particle model	Ecology Chemical changes Atomic structure	Ecology Chemical changes Atomic structure Forces	Homeostasis Energy changes Forces	Homeostasis Chemical analysis Forces Paper 1 revision

Year 10 Combi ned Science Higher	Structure and bonding Infection and response Electricity	Quantitative chemistry Bioenergetics Electricity Particle model	Chemical changes Ecology Particle model Atomic structure	Chemical changes Energy changes Ecology Homeostasis Atomic structure	Rates of reaction Forces Chemical analysis Chemistry of the atmosphere Using the Earth's resources Homeostasis	Forces Rates of reaction Paper 1 revision
Year 10 Combi ned Science Founda tion	Structure and bonding Infection and response Electricity	Bioenergetic Quantitative chemistry Particle model	Chemical changes Atomic structure Energy changes Ecology Forces	Atomic structure Energy changes Ecology Chemical analysis Chemistry of the atmosphere	Homeostasis Forces Using the Earth's resources	Rates of reaction Paper 1 revision
Year 11 Separa tes	Homeostasis Rates of reaction Forces	Inheritance Organic chemistry Forces Mock 1	Inheritance Chem of atmosphere Chemical analysis Waves Ecology Magnetism and electromagneti s m	Inheritance Chemical analysis Using the Earth's resources Waves Magnetism and electromagnetism Mock 2	Ecology Waves Magnetism and electromagneti s m Revision	

Year 11 Combi ned Science Higher	Homeostasis Rates of reaction Forces	Forces Inheritance Mock 1	Inheritance Organic chemistry Waves Ecology	Waves Ecology Magnetism and electromagnetism Chemical analysis Chemistry of the atmosphere Mock 2	Using the Earth's resources	
Year 11 Combi ned Science Founda tion	Homeostasis Rates of reaction Forces	Forces Inheritance Organic chemistry, Chemical analysis Mock 1	Waves Ecology Chem of the atmosphere	Ecology Using the Earth's resources Magnetism and electromagnetism	Revision	