

Science

2023-2024

	Key Stage	Class	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	
Grange Drive	EYFS/KS1	Nightingales	Plants Scientific enquiry	Animals including humans Scientific enquiry	Everyday materials Scientific enquiry	Seasonal changes Scientific enquiry	Living things and their habitats Scientific enquiry		
		Kingfishers							
	KS2	Hummingbirds	Teeth and eating Scientific enquiry	Animals & plants in the local environment Scientific enquiry	Grouping & changing Materials Scientific enquiry	Rocks & soil Scientific enquiry	Light & Shadow Scientific enquiry	Electricity Scientific enquiry	
		Robins							
		Penguins							
	Engagement	Merlins	Engagement Pathway						
		Owls							
KS2/3	Eagles	Cells and Movement Scientific enquiry	Human and plant reproduction	Sound & Light Scientific enquiry	Separating mixtures Scientific enquiry	Metals & non-metals, Acids & alkalis Scientific enquiry	Speed Scientific enquiry		
KS3	Goldfinches								
Post 16	The Lodge	Scientific enquiry within Preparation for Adulthood							
Birch Wood Vale	Transition	DH - Transition	Earth and Space Living things and their habitat 1 – Life cycles Scientific enquiry	Forces Properties and changes of materials Scientific enquiry	Electricity Light Scientific enquiry	Living things and their habitat 2 - Classification Scientific enquiry	Animals including humans' Circulatory system Scientific enquiry	Evolution and inheritance Scientific enquiry	
	Nurture	JM - Nurture	Cells and Movement Scientific enquiry	Human and plant reproduction	Sound & Light Scientific enquiry	Separating mixtures Scientific enquiry	Metals & non-metals, Acids & alkalis Scientific enquiry	Speed Scientific enquiry	
	KS3	Year 7	Cells & Movement Variation & human reproduction	Energy costs & energy Transfer Light & sound	Particle model & Separating mixtures	Metals & non-Metals Acids & Alkalis	Earth's structure & the Universe Interdependence & Plant reproduction	Speed & gravity Voltage, Resistance & Current	
		Year 8	Breathing & Digestion Evolution & Inheritance	Work & Heating and Cooling Wave Effect & Wave Properties	Periodic Table & Elements	Chemical Energy & Types of Reaction	Climate & Earth's Resources Respiration & Photosynthesis	Contact Force & Pressure Ions & Electrolysis	
		Year 9	Cells TDA – Effects of Insulation	Atomic Structure and the Periodic Table TDA – Investigating Speed	Energy Organisation	Atomic Structure – Radioactivity TDA – Reactivity of Metals & Acids	Structure & Bonding TDA – Paper Chromatography TDA - Electromagnets	Bioenergetics TDA – Effects of Exercise on the Heartrate	
	KS4	Year 10	Forces Energy Changes	Infection & Response ESA - Biology	Electricity Particle Model of Matter	ESA – Physics Chemical changes	Inheritance & evolution	Chemistry of our Atmosphere ESA - Chemistry	
		Year 11	Magnetism Waves	Rates of Reaction Mock Exams 1	Ecology Mock Exams 2	Using resources Biology Revision	Chemistry/ Physics Revision GCSE Exams	Basic first Aid Certificate	
BW College	Post 16	BVC A BVC N + R	Scientific enquiry within Preparation for Adulthood						
Autism Provision	KS2	The Treehouse	Cells & Movement Variation & human reproduction	Energy costs & energy Transfer Light & sound	Particle model & Separating mixtures	Metals & non-Metals Acids & Alkalis	Earth's structure & the Universe Interdependence & Plant reproduction	Speed & gravity Voltage, Resistance & Current	
	KS3	The Yard	Breathing & Digestion Evolution & Inheritance	Work & Heating and Cooling Wave Effect & Wave Properties	Periodic Table & Elements	Chemical Energy & Types of Reaction	Climate & Earth's Resources Respiration & Photosynthesis	Contact Force & Pressure Ions & Electrolysis	
		The Den	Forces Energy Changes	Infection & Response ESA - Biology	Electricity Particle Model of Matter	ESA – Physics Chemical changes	Inheritance & evolution	Chemistry of our Atmosphere ESA - Chemistry	
	KS4	The Nook	Magnetism Waves	Rates of Reaction Mock Exams 1	Ecology Mock Exams 2	Using resources Biology Revision	Chemistry/ Physics Revision GCSE Exams	Basic first Aid Certificate	

