	Half term 1	Half term 2	Half term 3	Half term 4	Half term 5	Half term 6		
	Content delivered:	Content delivered:	Content delivered:	Content delivered:	Content delivered:	Content delivered:		
	HSW Project: Working scientifically	Chemistry	Biology	Chemistry	Biology	Physics		
	ecology	Structure of the Earth	Variation	Chemical formulae	Alcohol	Light		
	Physics	Types of rocks	Adaptation to change	Polymers	Smoking	Reflection Refraction		
Year 8	Levers and pulleys	Rock cycle	Physics	Periodic table	Nutrients			
i Cai O	Work, energy and machines	Ceramics	Electromagnets	Group 1	Digestive system	The eye and vision		
Scionco	Conduction	Global warming & climate change	Circuit breakers	Group 7	Diets	Colour		
Science	Convection	Carbon cycle	Chemistry	Group 0	Bacteria and enzymes in digestion	End of year review and recap		
	Radiation	Extracting metals	Elements	Biology	Physics			
	Insulation	Recycling	Compounds	Gas exchange	Soundwaves			
		Biology		Breathing	Frequency and pitch			
		Food chains and food webs		Drugs	The ear			
		Flowers and pollination		Drugs	The car			
		•						
W. W. J.	Lada a a da da da a da da da da da da da	Fertilisation and germination	0	Elements and other states	Alteritary de conservation de Carlos	De calle a fleat about about		
Key Words	Independent, dependent, control,	Mantle, crust, inner/outer core,	Organism, species, herbivore, carnivore,	Elements, compound, mixture, atom,	Nicotine, depressant, deficiency,	Ray, path, reflect, absorb, shadow,		
Level 2	hypothesis, prediction, conclusion,	diameter, radius, crystal/crystallisation,	omnivore, predator, prey, pollination,	metal, non-metal, property, Periodic	Benedicts reagent, biuret, ethanol,	translucent, transparent, opaque,		
Level 3	evaluation, random, bias, quadrat,	grain size, layers, fossils, sedimentation,	bioaccumulation, population,	Table, word equation, symbol equation,	malnutrition, digestion, oesophagus,	specular, diffuse, total internal		
	biodiversity, transect, qualitative, work,	extrusive, intrusive, weathering, erosion,	fertilisation, germination, pollination,	prefix, suffix, reactivity, alkali/alkaline,	pancreas, intestine, enzyme, denature,	reflection, critical angle, dispersion		
	lever, gear, force, Newton, radiation,	deposition, transportation, carbon	anther, stigma, pollen, ovum, variation,	density, oxidation, halogen, noble gas,	amylase, protease, lipase, active site,			
	conduction, convection, insulation,	dioxide, radiation, wavelength, pollution,	genetic, environmental, adaptation,	displacement, oxygen, carbon dioxide,	combustion, oscilloscope, frequency,			
	diffusion, thermometer, energy, joule,	renewable, non-renewable, oxidation,	attract, gravitational field, magnetic	lung, bronchi, trachea, alveoli,	amplitude, pitch, wavelength, period			
	celsius, kelvin	reduction, reduce, reuse, recycle,	field, mass, non-contact, repel, weight,	inhalation, exhalation, ventilation,				
	,	organism, species, herbivore, carnivore,	electric field, electrons, negative,	breathing, medicinal, recreational				
		omnivore, predator, prey, pollination,	positive, nucleus, static, ammeter,	g,, ,				
		bioaccumulation, population,	current, parallel, series, voltage,					
		fertilisation, germination, pollination,	voltmeter, resistance, ohm, motor,					
		anther, stigma, pollen, ovum	electromagnet, motor effect, relay,					
			elements, compound, mixture, atom,					
			metal, non-metal, property, periodic					
NATIONAL CONTRACTOR OF THE PROPERTY OF THE PRO	KC2 Francisco de la lla	KC2 Milest and a second of a side	table	WC2 Committee and a second and a second and	WC2 Harris and a selection from	KC2 Charles and formal hardships		
Where previous knowledge	KS2: Forces as pushes and pulls	KS2: What rocks are made of and	KS2: Adaptations of living things	KS2: Comparing and grouping together	KS2: How animals get nutrition from	KS2: Shadows are formed when light is		
has occurred and future	KS3: Year 9 Forces	comparing types of rocks	KS2: Magnets	materials based on their properties	what they eat; parts of the digestive	blocked by solid objects and we see		
development	KS4: Year 10 Particle model (P4.3)	KS3: Year 7 Elements	KS3: Year 7 Circuits	KS3: Year 7 Elements	system and types of teeth	objects because they give out or reflect		
$KS2 \rightarrow \frac{KS3}{} \rightarrow KS4 \rightarrow KS5$	KS4: Year 10 Atomic structure (P4.4)	KS4: Year 10 Chemical changes (C4.4)	KS3: Year 9 Inheritance	KS3: Year 9 Conservation of mass	KS2: Pitch and volume relate to	light into the eye		
	KS4: Year 11 Forces (P4.5)	KS4: Year 11 Chemistry of the	KS4: Year 10 Electricity (P4.2)	KS4: Year 10 Atomic structure (C4.1)	vibrations	KS3: Year 9 Waves		
	KS4: Year 11 Ecology (B4.7)	atmosphere (C4.9)	KS4: Year 10 Atomic structure (C4.1)	KS4: Year 10 Organisation (C4.2)	KS3: Year 9 Waves	KS4: Year 11 The eye (B4.5)		
	KS5: Year 13 Thermodynamics	KS4: Year 11 Ecology (B4.7)	KS4: Year 11 Inheritance (B4.6)	KS5: Year 12 Mechanisms of breathing	KS4: Year 10 Organisation (B4.2)	KS4: Year 11 Waves (P4.6)		
		KS5: Year 13 Enthalpy of combustion,	KS5: Year 13 Evolution	KS5: Year 12 Chemistry unit 3	KS4: Year 11 Waves (P4.4)	KS5: Waves and the particle nature of		
		polymerisation	KS5: Year 12 Chemistry unit 2		KS5: Year 12 The effects of substances	light		
			KS5: Year 13 Electricity and magnetic		on the brain			
			fields		KS5: Waves and the particle nature of			
					light .			
Common Misconceptions	The direction of energy flow with	Global warming and climate change are	Describing the differences between	Miss-use of super and subscripts	Malnutrition means you are underweight	That objects give off colour		
•	insulation	the same	compounds and mixtures.	Breathing and respiration are the same	All deafness is the same			
		Directions of the arrows in food webs						
Literacy	Scientific writing (HSW): project write up	NHTW reviews as starter activities	NHTW reviews as starter activities	NHTW reviews as starter activities	Scientific writing (HSW): food tests	Scientific writing (HSW): refraction		
	NHTW reviews as starter activities	Writing to argue: the impact of recycling	Writing to describe: adaptations	Descriptive writing: the effects and	Scientific writing (HSW): enzymes	NHTW reviews as starter activities		
	Will W Teviews as starter activities	witting to argue. the impact of recycling	Writing to describe, adaptations	impacts of drugs	NHTW reviews as starter activities	Will W Teviews as starter detivities		
Numeracy	Drawing appropriate graphs	Calculating percentages	Calculating means	Balancing equations	Drawing appropriate graphs	Calculating angles		
Numeracy	Rearranging formulae	Calculating percentages	Calculating means	Balancing equations		Calculating angles		
Homework	Completion of kerboodle section quizzes	Completion of kerboodle section quizzes	Completion of kerboodle section quizzes	Completion of kerboodle section quizzes	Completion of kerboodle section quizzes	Completion of kerboodle section quizzes		
Accessment this half tarm	Unit test for physics	Unit test for chemistry	Unit test for biology	Unit test for chemistry	Unit test for biology	Unit test for physics		
Assessment this half-term	Offic test for physics	Officest for chemistry	Office test for biology	Offic test for chemistry	Office test for biology	GL Assessment		
Career opportunities	LIFE SKILLS: Understanding how energy	LIFE SKILLS: Understanding the impact of	LIFE SKILLS: Understanding how speakers	LIFE SKILLS: Understanding the effects	LIFE SKILLS: Understanding how hearing	LIFE SKILLS: Understanding how we see		
Employment Links	can be lost in the home	climate change	and circuit breakers work	and impacts of different drugs	can be damaged	EMPLOYMENT: Optometrist		
Employment Links		_		,	l —	LIVIT LOTIVILIVIT. OPTOITIETTIST		
Fautakaan t	EMPLOYMENT: Heating engineer	EMPLOYMENT: Archaeologist	EMPLOYMENT: Sound engineer	EMPLOYMENT: Asthma nurse	EMPLOYMENT: Nutritionist	I Francisco de la Companya de la Com		
Enrichment	REACT roadshow			Nancy Rothwell Award		Forensics workshop		
Practical activities/HSW	Ecology	Extracting metals	Continuous variation	Group 1 metals	Food tests	Spectrum of light		
	Levers	Dissecting flowers	Electromagnets	Group 7 displacement	Enzymes	Reflection		
	Insulation			Lung/gill dissection	Oscilloscope	Refraction		
Employability Skills	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy		

	Leadership	Independence	Leadership	Independence	Leadership	Independence	Leadership	Independence	Leadership	Independence	Leadership	Independence
	Listening	Communication	Listening	Communication	Listening	Communication	Listening	Communication	Listening	Communication	Listening	Communication
	Presenting	<mark>Teamwork</mark>	Presenting	Teamwork	Presenting	Teamwork	Presenting	Teamwork	Presenting	Teamwork	Presenting	<mark>Teamwork</mark>
	Problem solving	Staying positive	Problem solving	Staying positive	Problem solving	Staying positive	Problem solving	Staying positive	Problem solving	Staying positive	Problem solving	Staying positive
IT Skills	research for homework as well as recall		IT1 & IT2: Appropriate websites and		IT1 & IT2: Appropriate websites and		IT1 & IT2: Appropriate websites and		IT1 & IT2: Appropriate websites and		IT1 & IT2: Appropriate websites and	
			research for homework as well as recall		research for homework as well as recall		research for homework as well as recall		research for homework as well as recall		research for homework as well as recall	
	quizzes quizzes		quizzes		quizzes		quizzes		quizzes			
Notes/developments	Order of teaching will change in 2023/2024 to allow for updated programme of study											
/standardisation comments												