W	HT1	HT 2	HT 3	HT 4	HT 5	HT 6
Year	7 weeks	7 weeks	6 weeks	6 weeks	6 weeks	8 weeks
	Using Science to	Lifestyles	Plants and Wildlife	Introduction to chemicals	Energy and life	Scientists through time
	Investigate the World			in the world around us	1 Understand	_
		1 Understand	1 Identify common	1 Understand basic	the concept of energy	1 Introduction to
	1 Understand the	the basic components	British plants and wildlife	chemical concepts.	and its importance	key scientific figures and
	scientific method	of a healthy lifestyle.	2 Understand how	2 Learn to read labels	2 Explore the	their impact
	2 Explore types of	2 Explore the	plants create their food	on medicine.	sources of energy	2 Understanding
	scientific evidence	human skeletal system.	through photosynthesis	3 Explore Elements in	3 Investigate	key principles of the
	3 Learn about	3 Learn about	3 Identify the parts	the Periodic Table.	how energy is	scientific revolution
	variables in scientific	muscular system.	of a plant involved in food	4 Chemical Mixtures	transformed	3 Explore the laws
	research	4 Investigate the	creation	and Solutions.	4 Understanding	of motion
	4 Design a simple	cardiovascular system.	4 Explore the	5 Chemical reactions	clean energy concepts	4 Discovery of
	experiment	5 Discuss	importance of light in	basics.	5 Explore how	electricity
	5 Conduct the	respiratory health.	photosynthesis	6 Safe use of	energy is produced	5 Development of
	experiment	6 Examine the	5 Investigate the	Chemicals in the Lab.	from different	evolutionary theory
	6 Analyse	impact of exercise on	necessity of water and	7 Household	resources	6 Germ theory and
	experimental data	health.	carbon dioxide in	Chemicals and their uses.	6 Examine how	public health
	7 Understand the	7 Analyse the	photosynthesis	8 Acids and Bases in	energy is transmitted	7 Understanding
KS3	concept of scientific	importance of a	6 Learn how plants	Everyday Items.	to our homes	radioactivity
Green	theories	balanced diet.	reproduce asexually	9 How chemicals	7 Understand	8 The structure of
dicen	8 Evaluate	8 Sexual	7 Explore sexual	affect the environment.	the electrical grid	the atom
	scientific research	reproduction?.	reproduction in plants	10 Chemicals in Food.	system	9 Unravelling DNA
	9 Discuss the	9 Learn about	8 Conduct an	11 The Myth of	8 Investigate	and genetics
	impact of science on	the nervous system.	experiment to show	"Chemical-Free".	energy consumption	10 Visionary
	society	10 Investigate	flowers change colour with	12 Review and	and efficiency	theoretical physics
	10 Discover famous	hormonal balance and	coloured water	Assessment.	9 Learn to	11 Modern
	scientists and their	health (sexual	9 Understand		calculate power using	contributions to
	contributions	education) + mental	adaptations plants have		watts	computer science
	11 Develop a	health.	made to their		10 Understand	12 Review and
	scientific argument	11 Understanding	environments		kilowatt-hours and	Reflection
	12 Catch up lesson -	health information	10 Utilise information		energy billing	
	Reflect on the learning	(contraception focus).	from reputable sources to		11 Evaluate the	
	and understand next	12 Catch up	reinforce learning		environmental impact	
	steps	lesson	11 Recap on plant		of different energy	
			structure and function		types	
			12 Assessment and		12 Design a clean	
			feedback		energy plan for a	
					community	

Metabolism Response to

exercise

16.

responses

Hypotheses and

theories WS Lesson

Plant defence

factors

16. WS Lesson

24. Periodic Table

research task

	16. The heart and	Practical Skills -	13.	WS Lesson			25. WS Lesson
	blood vessels	investigating the effect			17. Adaptations		
	17. Blood	of antiseptics on	14.	Practical	18. Levels of organisations		
	18. Exam Practice	bacterial growth.			19. WS Lesson		
	Lesson	17. Structure and	15.	Revision & End of			
	19. Plant tissues	function	unit te	est	20. Catch up		
	20. Catch up lesson	18. WS Lesson			Required practical -		
	21. Kahoot quick	19. The brain &The	16.	Catch Up lesson	Measure the		
	recall lesson	eye		'	population size of a		
					common species in a		
					habitat.		
					Required practical -		
					Investigate the effect of		
					temperature on the		
					rate of decay of fresh		
					milk by measuring pH		
					change		
					change		
	Introduction to GCSE	Organisation: Health	1.	Bioenergetics:	Homeostasis and	1. Inheritance,	1. Revision and
	Biology	Issues		Respiration	Response: Plant	Variation and	GCSE
	1. Cell Biology: Cell	1. Organisation: Plant	2.	Homeostasis and	responses	Evolution:	Preparation
	structure	Tissues and Organs		Response:	2. Homeostasis and	Classification	2. Revision and
	2. WS lesson	2. WS Lesson		Introduction and	Response: Plant	and	GCSE .
	3. Cell Biology:	<ol><li>Infection and</li></ol>		Control Systems	responses	Biodiversity	Preparation
	Microscopy	Response:	_	in the Body	3. WS Lesson	2. Ecology:	3. Revision and
	4. Cell Biology:	Pathogens	3.	Homeostasis and	4. Homeostasis and	Ecosystems	GCSE
	Culturing	4. Infection and		Response:	Response: Plant	and Material	Preparation
Y11	5. WS lesson	Response:		Introduction and	responses	Cycles	4. Revision and
GCSE	6. Microorganisms	Pathogens		Control Systems in the Body	5. Inheritance,	3. WS Lesson	GCSE
Biology	7. Cell Biology: Cell	5. WS Lesson	4.	WS Lesson	Variation and	4. Ecology:	Preparation
	Division and Cell	6. Infection and	5	Homeostasis and	Evolution:	Ecosystems	5. Revision and
	Specialisation	Response: Human	0.	Response:	Reproduction and	and Material	GCSE
	8. WS Lesson	7. Defence Systems		Introduction and	Inheritance	Cycles	Preparation
	9. Cell Biology: Stem	8. WS Lesson		Control Systems	6. WS Lesson	5. Ecology:	6. Revision and
	Cells	9. Infection and		in the Body	7. Inheritance,	Ecosystems	GCSE
	10. Organisation: Human	Response:	6.	Homeostasis and	Variation and	and Material	Preparation
	Digestive System	Vaccination and		Response:	Evolution:	Cycles	7. Revision and
	11. WS Lesson	Antibiotics		Nervous System	Reproduction and	6. WS Lesson	GCSE
			7.	WS Lesson	Inheritance		Preparation

12. Organisation: Human	10. Infection and	8. Homeostasis and	8. Inheritance,	7. Ecology:	8. Revision and
Digestive System	Response:	Response:	Variation and	Interactions	GCSE
13. Organisation:	Vaccination and	Nervous System	Evolution:	and	Preparation
Enzymes	Antibiotics	9. Homeostasis and	Reproduction and	Interdepende	9. Revision and
14. WS Lesson	11. WS Lesson	Response:	Inheritance	ncies	GCSE
15. Organisation: Heart	12. Infection and	Hormonal System	9. WS Lesson	8. Ecology:	Preparation
and Circulatory	Response:	10. WS Lesson	10. Inheritance,	Interactions	10. Revision and
System	Discovery and	11. Homeostasis and	Variation and	and	GCSE
16. Organisation: Heart	Development of	Response:	Evolution: DNA and	Interdepende	Preparation
and Circulatory	Drugs	Regulation of	the Genome	ncies	11. Revision and
System	13. Bioenergetics:	Blood Glucose	11. Inheritance,	9. <b>WS Lesson</b>	GCSE
17. WS Lesson	Photosynthesis	12. Homeostasis and	Variation and	10. Ecology:	Preparation
17. 113 2033011	14. WS Lesson	Response:	Evolution:	Interactions	12. Revision and
18. Catch up lessons	15. Bioenergetics:	Regulation of	Evolution	and	GCSE
	Photosynthesis	Blood Glucose	12. WS Lesson	Interdepende	Preparation
19. Catch up lessons	16. Bioenergetics:	13. WS Lesson	13. Inheritance,	ncies	13. Revision and
	Photosynthesis	14. Homeostasis and	Variation and	11. Ecology:	GCSE
20. WS Lesson	17. WS Lesson	Response: Regulation of	Evolution:	Population	Preparation
	18. Catch up lesson	Blood Glucose	Evolution	and Pollution	14. Revision and
21. Catch up lesson	·	15. Homeostasis and	14. Inheritance,	12. WS Lesson	GCSE
·		Response: Human	Variation and	13. Ecology:	Preparation
		Reproduction	Evolution:	Population	15. Revision and
		System	Evolution	and Pollution	GCSE
		16. WS Lesson	15. WS Lesson	14. Ecology:	Preparation
		17. Homeostasis and	16. Catch up lesson	Population	
		Response: Human	17. Catch up lesson	and Pollution	
		Reproduction	18. WS Lesson	15. WS Lesson	
		System		16. Ecology:	
		18. Homeostasis and		Conservation	
		Response: Human		and	
		Reproduction		Biodiversity	
		System		17. Ecology:	
				Conservation	
				and	
				Biodiversity	
				18. WS Lesson	
				19. Ecology:	
				Conservation	
				and	

Biodiversity

	20. Catch up	
	lesson	
	21. WS Lesson	

# **Half Termly Career Focus**

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Green	Politician	Dietician/Nutritionist	Conservationist	Chemist	Engineer(s)	Researcher
Y10	Microbiologist	Doctor	Gynaecologist	Ecologist	Farming	Food Science Careers
Y11	Cardiologist	Research Scientist	Personal Trainer	Animal Breeder	Exam Prep, no specific focus	Exam Prep, no specific focus