



Temperance Term

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8		
Topic	B2.1 Health and Lifestyle and C2.1 The Periodic Table									
Challenge Objective and Content (for all learners)	Explain what is meant by a balanced diet and how nutrients are digested. Explain what makes a food a healthy option and how each nutrient contributes to a healthy, balanced diet. Explain why testing food for starch, lipids, sugar, and protein is important and the meaning of positive or negative results in terms of the food tests. and explain how each part of the digestive system works in sequence, including adaptations of the small intestine for its function. Describe and explain patterns in the periodic table. Predict the properties of an element, given its position on the Periodic Table. Explain how the position of an element can be used to suggest properties of elements. Compare predictions with evidence, and from reactions involving Group 1 elements.									
Inspire Opportunities	Explain that different people require different amounts of energy, using energy calculations and data to support explanations Determine word equations to represent displacement reactions.									
Assessment Opportunities				End of	Topic Tests					

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6				
Торіс	P2.1 Electricity and Magnetism and B2.2 Ecosystem Processes									
Challenge Objective and Content (for all learners)	Explain, in terms of electicompare a gravitational Explain the difference be Explain why potential di Explain why current and Explain how magnets ca Describe the processes State the word equation	trons, why something beco field and an electric field. etween potential difference fference is measured in pa potential difference vary in the used. of respiration and photosy is for photosynthesis and r and function of the main co	e and current. rallel. n series and parallel circuits nthesis. espiration.				CHRISTMAS			
Inspire Opportunities	•	ect the resistance of a resis mbol equations for photosyr								





Assessment
Opportunities

End of Topic Tests and Temperance Term Assessment





Justice Term

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6				
Topic	C2.2 Separation Techniques and P2.2 Energy									
Challenge Objective and Content (for all learners)	Use a range of separating techniques and identify solutes, solvents and solutions. Explain the process of evaporation and distillation Describe how chromatography separates mixtures Describe how energy is transferred. Calculate energy requirements for various situations, considering diet and exercise. Compare energy transfers to energy conservation. Explain, in terms of particles, how energy is transferred. Compare the advantages and disadvantages of using renewable and non-renewable energy resources. Explain how a range of resources generate electricity, drawing on scientific concepts.									
Inspire Opportunities	Compare cooling curves for different substances. Calculate and compare energy costs in different scenarios; explain how conservation of energy applies.									
Assessment Opportunities	End of Topic Tests									

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	
Topic	B2.3 A	daptation a	nd Inheritar	nce and C2.	3 Metals and	d Acids	
Challenge Objective and Content (for all learners)	Explain how variation gi extinction. Explain that some variat variation within a specie Experiment and discusse formula equation	ves rise to different specie tion is affected by both enves using the appropriate ty over how metals react in to show what happer	ental change can lead to events and explain how competity ironmental and inherited fape of graph. with different substance as when metals react in defend they react with oxygen	ion or long-term environment of columns and the causes of columns. s. lifferent acids.	ental change can lead to ev		
Inspire Opportunities	have led to extinction.	tics are inherited through a formulas from given info	and coded for by genes and ormation	how natural selection lead	s to evolution and explain	some factors that may	





Assessment
Opportunities

End of Topic Tests and Justice Term Assessment





Courage Term

	Week 1	Week 2	Week 3	Week 4	Week 5				
Topic	P2.3 Motion and Pressure and Revision								
Challenge Objective and Content (for all learners)	Use the speed equat Draw and analysed d Explain gas pressure pressure. Explain why an object Apply the concept of Use calculations to ex	of atmospheric	Year Assessmer	HALF TERM					
Inspire Opportunities	Calculate pressure in	multistep problems, cor	mpare pressure in differe	ent situations	d of				
Assessment Opportunities		End of Topic Tests and	End of Year Assessment		Ë				

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6					
Торіс	P2.3 Motion and Pressure C2.4 The Earth										
Challenge Objective and Content (for all learners)	Draw and analysed di Explain gas pressure i Explain why an object Apply the concept of Use calculations to ex Describe the carbon and Describe the composi Give a detailed explant Link properties of ign Explain changes in the	t will float or sink in tern moments to everyday sixplain situations involvin and rock cycles. iition of the atmosphere nation of the sedimenta leous and metamorphic e levels of carbon dioxid	a range of journey. Ind compare some effects Ins of force or density. Ituations. Ins moments. In terms of abundance of	of components. f formation. bon cycle.	e.		SUMMER				





Inspire Opportunities	Calculate pressure in multistep problems, compare pressure in different situations Use data to discuss the relative benefits and drawbacks of recycling materials.	
Assessment Opportunities	End of Topic Tests	