

Temperance Term

W/C	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	
Area of Study		B3 Info	B3 Infection and Response		energetics			
Core Learning	plantsExplain how diseases c -Describe diseases caus -Describe the defence s -WS 1.4 Evaluate the -Describe the develo	e able to explain how disea aused by pathogens are spr ed by viruses, bacteria, fun systems of the human body global use of vaccination pment of new medicines the role of peer review b	ead in animals and plants. gi and protists. and explain the role of the n in the prevention of dis	immune system. sease.	e spread in animals and	graphs.	ration and rmbol equations for ulate the rate of l as extract and interpret ect of light intensity on nesis glucose from of aerobic and stating the equations.	HALF TERM
Opportunitie s Challenge	B3 - Justify how the imr	nune system fights against	disease successfully.		Explain the importanc fatty acids and glycero breakdown of carbohy lipids.	•		
Assessment	End of Topic Test				End of Topic Test			

W/C	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	
Area of Study		B4 Bioenergetics		B5 – Hom	eostasis and I	l Response	
Core Learning	-State the word and s -MS Measure and cal extract and interpret -RP Investigate the en photosynthesis	symbol equations for photos	otosynthesis. synthesis as well as the rate of	B5 – Describe the s system and the hor -Define 'homeostasis' -Explain the role of hom temperature and water -Describe the structure -MS Extract and interpr -RP 7 Investigate the eff	rmonal system. neostasis in the control of levels. and function of the nerent data from graphs	of blood glucose, body vous system	CHRISTMAS

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Biology Long Term Programme of Study Year 10 2023-2024

	-Explain the processes of aerobic and anaerobic respiration, stating the equationsExplain how the body responds to exercise.	-Explain how the human endocrine system is controlledWS 1.3 Evaluate information around the relationship between obesity and diabetesDescribe the role of hormones in human reproduction, including the menstrual cycleWS 1.3 Discuss why the issues regarding contraception cannot be answered by science alone	
Opportunitie s for Challenge		Explain the role of the reflex arc in reflex actions.	
Assessment	End of Topic Test	End of Topic Test and Temperance Term Assessment	



Justice Term

W/C	Week 14	Week 15	Week 16	Week 17	Week 18	Week 19		
Area of Study	B5 – Homeostasis and Response							
Core Learning	B5 — Describe the structure and function of the nervous system and the hormonal system. -Define 'homeostasis' -Explain the role of homeostasis in the control of blood glucose, body temperature and water levels. -Describe the structure and function of the nervous system -MS Extract and interpret data from graphs -RP 7 Investigate the effect of a factor on human reaction time. -Explain how the human endocrine system is controlled. -WS 1.3 Evaluate information around the relationship between obesity and diabetes. -Describe the role of hormones in human reproduction, including the menstrual cycle. -WS 1.3 Discuss why the issues regarding contraception cannot be answered by science alone							
Opportunitie s for Challenge	Explain the role of the reflex arc in reflex actions.							
Assessment	End of Topic Test							

W/C	Week 20	Week 21	Week 22	Week 23	Week 24	Week 25			
Area of Study	B6 – Inheritance, Variation and Evolution								
Core Learning	-Understand the differen -WS 1.2 Model behaviou -Describe the structure of -Describe the importance -Draw genetic diagrams		osis. iosis. e and phenotype of offsprin	g	ured characteristics can be so	electively bred.	EASTER		
Opportunitie s for Challenge	Consider and debate the ethical considerations of screening for genetic disorders.								
Assessment	End of Topic Test and Jus	stice Term Assessment							



Courage Term

W/C	Week 26	Week 27	Week 28	Week 29	Week 30	Week 31	
Area of Study	B6 – Inherita	nce, Variation a	and Evolution		Revision		-
Core Learning	chromosomes and expla bredExplain how Polydactyly -WS 1.2 Use the theory o -WS 1.3, 1.4. Explain the appropriate information -Describe the evidence for	xual reproduction, with relatin how favoured characteristand Cystic Fibrosis are cause of evolution by natural selective benefits and risks of selective and consider the related ether evolution.	d. on in an explanation be breeding given ical issues.				HALF TERM
Opportunitie s for Challenge	Consider and debate the disorders.	ethical considerations of scr	eening for genetic				
Assessment		End of Topic Test					

W/C	Week 32	Week 33	Week 34	Week 35	Week 36	Week 37	
Area of study	Y10 Mod	k Exams	B6 -	Inheritance, Va	riation and Evol	ution	
Core Learning			favoured characteristics of Explain how Polydactyly at -WS 1.2 Use the theory of -WS 1.3, 1.4. Explain the bithe related ethical issuesDescribe the evidence for	and Cystic Fibrosis are caused evolution by natural selectio enefits and risks of selective	I. In in an explanation breeding given appropriate		SUMMER
Opportunity for Challenge			Consider and debate the e	ethical considerations of scre	ening for genetic disorders.		



Assessment	End of Topic Test	