Voor 10	Half term 1	Half term 2	Half term 3	Half term 4	Half term 5	Half term 6
fear 10						
Dielery	Content delivered:	Content delivered:	Content delivered:	Content delivered:	Content delivered:	Content delivered:
DIDIOGY &	Onit I Cells:	Digostivo system	Unit 3 Microbes and disease:	Unit 4 Bioenergetics:	Unit 4 Bioenergetics:	Unit 5 Homeostasis & response:
	Microscopy	Enzymes	Pathogens	Limiting factors	Metabolism	The eve (Biology only)
Complined	Prokarvotic and eukarvotic cells	The heart	Vaccination	Aerobic respiration	Wetabolishi	Thermoregulation (Biology only)
	Stem cells	The blood	Clinical trials	Anaerobic respiration	Unit 5 Homeostasis & response:	
Science	Mitosis	CHD	Antibodies		Homeostasis	Mock exam preparation, review and
D : 1	Movement across membranes	Cancer	Monoclonal antibodies (Biology only)		Nervous system	feedback
BIOlogy		Non-communicable diseases	Plant diseases		Brain (Biology only)	
		Plant organs and tissues				
Key Words	Eukaryotic, prokaryotic, cytoplasm,	Enzyme, amylase, protease, lipase,	Pathogen, antigen, antibody, immunity,	Photosynthesis, chloroplast, chlorophyll,	Aerobic, anaerobic, lactic acid, ethanol,	Myopia, hyperopia, accommodation,
	nucleus, mitochonaria, ribosome,	oesophagus, stomach, pancreas, liver,	double blind trial efficacy monoclonal	dependent variable, control variable	hear and the second sec	ligament
	flagella, chloroplast, chlorophyll.	Benedicts, biuret, ethanol, ventricle.	antibody, hybridoma, Tobacco Mosaic	reproducibility, validity	pulmonary artery, pulmonary vein.	igament
	vacuole, membrane, differentiation,	atrium, artery, vein, capillary,	Virus, rose black spot, chlorophyll,		aorta, vena cava, synapse, sensory,	
	objective lens, focus, magnification,	pulmonary, vena cava, aorta, valve,	chloroplast, aseptic		motor, relay, neurone, impulse,	
	micrometre, resolution, differentiation,	malignant, benign			diffusion, receptor, effector, cerebrum,	
	chromosome, mitosis, prophase,				cerebellum, medulla, hypothalamus,	
	metaphase, anaphase, telophase,				myopia, hyperopia, accommodation,	
	equator, chromosome, embryonic				sciera, retina, optic nerve, suspensory	
Where previous knowledge	K25.X	KS2: Nutrition functions of parts of the	KS2: Parts of the plant	KS2: What plants need	KS2: Impact of diet exercise and drugs on	K25.X
has occurred and future	KS3: Year 7 – cell structure & diffusion	digestive system	KS3: Year 9 – specialised cells -	KS3: Year 7 – Plant cells	the human body	KS3: Year 8 – Light, refraction, eve
development	KS3: Year 9 – genetics	KS3: Year 8 - digestion	pathogens	KS3; Year 9 - Photosynthesis	KS3: Year 7 - muscles	KS4: Unit 5 – reflex actions
KS2 → KS3 → KS4 → KS5	KS4: Unit 2 – organisation	KS4: Unit 1 – plant cell structure	KS4: Unit 2 – the role of white blood cells	KS4: Unit 1 – plant cells structure	KS4: Unit 1 – cells/mitochondria	KS4: Unit 1-4 for mock exam prep
	KS4: Unit 5 – Homeostasis	KS4: Unit 5 – Homeostasis	KS5: Immunology and epidemiology	KS4: Unit 5 – Homeostasis	KS4: Unit 2 – the heart	KS5: Homeostasis
	KS5: Ultrastructure of the cell,	KS5: Tertiary protein structure, transport		KS5: LIR, LDR, glycolysis, Krebs cycle,	KS5: Action potentials	
	membranes and fluid mosaic model	systems		oxidative photophosphorylation		
Common Misconceptions	Changing objective leans makes the	Malnutrition is just being underweight	Antibiotics can be used on every	All factors affect the rate of	All messages are sent to the brain	I hat the body can tolerate a wide range
	image clearer		Discussing the views of antivayers	photosynthesis in the same way		or temperatures
Literacy	Scientific writing (HSW): osmosis	Scientific writing (HSW): factors affecting	Scientific writing (HSW): aseptic	Scientific writing (HSW): factors affecting	Scientific writing (HSW): ruler drop test	NHTW reviews as starter activities
	practical	enzyme activity	techniques	the rate pf photosynthesis	Descriptive writing: the effects of	
	Ethical arguments: stem cells	Comparative writing: stents & statins	Ethical arguments: should everyone be	NHTW reviews as starter activities	different stimuli	
	NHTW reviews as starter activities	NHTW reviews as starter activities	vaccinated?		NHTW reviews as starter activities	
			NHTW reviews as starter activities			
Numeracy	Conversion of units	Calculating means	Data extrapolation	Calculating means	Calculating mean, median, mode and	Calculating angles for refraction of light
	graphs	Rate graphs and gradients	Standard form	Rate graphs and gradients	Converting distance to reaction time	
	Rearranging formulae				converting distance to reaction time	
Homework	Completion of kerboodle/everlearner	Completion of kerboodle/everlearner	Completion of kerboodle/everlearner	Completion of kerboodle/everlearner	Completion of kerboodle/everlearner	Completion of kerboodle/everlearner
	section quizzes	section quizzes	section quizzes	section quizzes	section quizzes	section quizzes
Assessment this half-term	Unit test for section 1	Unit test for section 2 – to include	Unit test for section 3	Photosynthesis section test	Unit 4 test – to include elements of units	Year 10 mock exam – paper 1 biology
		elements of unit 1	Mock exam Unit 1 and 2		1-3	
Career opportunities	LIFE SKILLS: Understanding the roles of	LIFE SKILLS: Understanding risk factors	LIFE SKILLS: Understanding how diseases	LIFE SKILLS: Understanding how plant	LIFE SKILLS: Understanding how the body	LIFE SKILLS: Understanding why people
Employment Links	different cells in the body	for obesity and CHD	can spread	growth can be manipulated	systems are integrated	need to wear glasses
		Macmillan nurse dietician	research scientist		dietician	
Enrichment				Nancy Rothwell Award		
Practical activities/HSW	Microscopy	Food tests	Aseptic techniques	Factors affecting the rate of	Respiration in yeast	
	Scientific drawings	Factors affecting enzyme activity		photosynthesis	Factors affecting heart rate	
	Osmosis practical	Heart dissection		Starch testing leaves	Ruler drop test	
Employability Skills	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy	Aiming high Literacy
	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy	Creativity Numeracy
	Leavership independence	Leavership independence	Leavership independence	Leavership independence	Leavership maependence	Leavership independence
	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork	Presenting Teamwork
	Problem solving Staving positive	Problem solving Staying positive	Problem solving Staving positive	Problem solving Staving positive	Problem solving Staying positive	Problem solving Staving positive
IT Skills	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	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	research for homework as well as recall
	quizzes	quizzes	quizzes	quizzes	quizzes	quizzes
Notes/developments						
/standardisation comments						