Yr13 Biology – Unit 3.6

MAGHULL HIGH SCHOOL – CURRICULUM MAP



	Sequence					
TOPIC (S)	Survival and response	4. Nerve impulses			uscles are stimulated to	
Organisms	 Receptors Control of heart rate 	5. Synaptic transmission		7. Principles o	nerves and act as effectors of homeostasis and negative	
response to				feedback	Maria de la compansión de	
changes in				8. Control of concentrat	ion	
their				9. Control fo	blood water potential	
environment						
Knowledge & Skills development	 Define taxis and kinesis Describe the protective effect Identify the basica structures of Pacinian corpuscle Recall the roles of SAN and AVN in the bundle of his Recall the role and locations of chemoreceptors and pressure receptors The factors that influence blood glucose concentration. The role of the liver in glycogenesis, glycogenolysis and gluconeogenesis. The roles of the hypothalamus, posterior pituitary and antidiuretic hormone (ADH) in osmoregulation. Identify the structure of myelinated motor neuron Describe the factors affecting the speed of conductance myelination, salutatory conduction, axon, diameter, temperature Label the detailed structure of a synapse and neuromus junction Describe the roles of actin, myosin, calcium ions, and Armyofibril contractions Interpret information relating to examples of negative positive feedback use information provided to predict and explain the effecting the speed of conductance myelination, salutatory conduction, axon, diameter, temperature Label the detailed structure of a synapse and neuromus junction Describe the roles of actin, myosin, calcium ions, and Armyofibril contractions Interpret information provided to predict and explain the effection 			need of conductance: axon, diameter, napse and neuromuscular calcium ions, and ATP in camples of negative and		
Assessment / Feedback Opportunities	Exam questions – teacher Exam questions assessed assessed		rriting task – D assessed	eep marking of required practical in lab books	Topic assessment	
Cultural Capital	•	<u> </u>	I			
SMSC / Promoting British Values (Democracy, Liberty, Rule of Law, Tolerance & Respect)	 To evaluate the positions of health advisers and the food industry in relation to the increased incidence of type II diabetes. • 					
Reading opportunities	Recommended Read: David S. Goodsell: The Machinery of Life					
Key Vocabulary	Independent Variable, Dependent Variable, Con Describe, Explain, Compare, Analyse, Calculate,				The state of the s	

	coordinator, effector, response, autonomic, sympathetic, parasympathetic, photoreceptors, retina, depolarised, hyperpolarised, Dendrons, synapse, summations, myogenic, cardiac, actin, myosin,
Digital Literacy	The use of excel to plot graphs and analyse data
	MSOffice35 apps including SharePoint
Cross-Curricular Links	Numeracy/Maths – averages (means), reading scales, graph plotting, lines of best fit, using and rearranging equations, using scientific calculators
Careers	Doctors, nurses, wildlife conservationist,