

Science Year 10 – Summer Term 1

Dates			Learning Intentions
08/04/2024	Chemistry Unit 8	C9-12: Calculations, Electrolysis, Extracting Metals, Equilibria	What is a life cycle assessment and how do we use them in manufacturing?
			Why is recycling used and how can it be better than extraction of metals from ores?
			How can we describe reversible reactions?
			How does the Haber process work?
15/04/2024	Biology Unit 9	B7 Animal Control, Coordination and Homeostasis	Practise my knowledge
			What are hormones and where do they come from in our bodies?
What is metabolism and how is it controlled? (HT)			
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22/04/2024		B7 Animal Control, Coordination and Homeostasis	What is the menstrual cycle and what hormones are involved?
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			What different methods of contraception are there, how effective are they and how do they work? (2 lessons)
			How do we control our blood glucose levels?
29/04/2024		B7 Animal Control, Coordination and Homeostasis	What happens when we can't control our blood glucose and why might it happen?
			Practise my knowledge
	How are substances transported in organisms?		
06/05/2024	B7 Animal Control, Coordination and Homeostasis	How are the lung adapted for gas exchange?	
		How are blood vessels adapted for their functions?	
		What are the components of blood and what are their functions?	
		What is the structure of the heart and how does it work?	
13/05/2024		B7 Animal Control, Coordination and Homeostasis	How does exercise affect our heart?
			What is aerobic respiration? What is anaerobic respiration? (2 lessons)
			Core practical: Investigate the rate of respiration in living organisms.
20/05/2024		B7 Animal Control, Coordination and Homeostasis	Practise my knowledge (2 lessons)