CB7 Animal Coordination, Control and Homeostasis

R.A.G Rate Yourself at the start and end of each topic :

Red = Not confident Amber = Fairly Confident Green= Very Confident

CB7a Hormones

Step	Learning outcome	Start Of Topic	End of Topic
	State where hormones are produced (in endocrine glands).		
	Describe the general role of hormones in the body.		
	Describe how hormones are transported around the body.		
	Describe the production and release of some common hormones from their endocrine glands (pituitary gland, thyroid gland, pancreas, adrenal glands, ovaries and testes).		
	Identify the target organs of some common hormones.		
	Explain the importance of hormones.		

CB7b Hormonal control of metabolic rate

Step	Learning outcome	Start Of Topic	End of Topic
	H Describe the effects of adrenalin on the body.		
	H Explain how adrenalin prepares the body for fight or flight.		
	H Define metabolic rate.		
	H Describe the effect of thyroxine on metabolic rate.		
	H Describe how a negative feedback mechanism works.		
	H Explain how negative feedback controls the production of thyroxine.		
	H Explain why negative feedback mechanisms are important in living organisms.		

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CB7c The menstrual cycle

Step	Learning outcome	Start Of Topic	End of Topic
	Describe what happens during the menstrual cycle.		
	Describe the function of oestrogen in the menstrual cycle.		
	Describe the function of progesterone in the menstrual cycle.		
	Explain how barrier methods can be used as contraception.		
	Explain how hormones can be used as contraception.		
	Compare, contrast and evaluate hormonal and barrier methods of contraception.		

CB7d Hormones and the menstrual cycle

Step	Learning outcome	Start Of Topic	End of Topic
	H Describe how changes in hormones affect the uterus wall, ovulation and menstruation.		
	H Explain how oestrogen, progesterone, FSH and LH interact in the menstrual cycle.		
	H Describe examples of Assisted Reproductive Technology (ART).		
	H Explain how clomifene is used to stimulate ovulation.		
	H Explain how hormones are used in IVF treatment.		

CB7e Control of blood glucose

Step	Learning outcome	Start Of Topic	End of Topic
	Define homeostasis.		
	Explain why a constant internal environment is important.		
	Explain the role of insulin in regulating blood glucose concentration.		
	H Explain the role of glucagon in regulating blood glucose concentration.		
	Explain how type 1 diabetes is caused.		
	Explain how type 1 diabetes can be controlled.		

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CB7f Type 2 diabete

Step	Larning outcome	Start Of Topic	End of Topic
	Explain how type 2 diabetes is caused.		
	Explain how type 2 diabetes can be controlled.		
	Describe the correlation between body mass and type 2 diabetes.		
	Explain how BMI and waist : hip ratio are related to body mass.		
	Evaluate the correlation between body mass and type 2 diabetes.		

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