

Blue Pathway								
Purple Pathway								
Orange Pathway								
	Step 5	Step 6	Step 7	Step 8	Step 9	Step 10	Step 11	Step 12
AO1 Remember	Describe stages of menstrual cycle	Discuss the role of hormones in body control	State the equation for aerobic respiration	Describe the pathway for transition of nerve impulse	Describe in detail the components of body control systems	Explain the roles of body parts, systems and methods for body control	Explain how mechanisms interact to control body factors	Explain the roles and interactions of hormones in menstrual cycle
	Identify methods of contraception	Describe how contraception works	Identify systems responsible for homeostasis	Describe the parts of the body and methods used to control factors in homeostasis	Understand reflexes	Explain the role of adrenaline	Explain the need for homeostasis in relation to enzymes	Explain and apply negative feedback
		Describe how the eye works	Describe Type 1 and 2 diabetes	Describe hormones in menstrual cycle	Describe dialysis	Describe methods of treating brain disorders	Explain synapses	Explain and apply negative feedback to ADH
AO2 Application	Apply knowledge effectively in a range of contexts.	Interpret data on effectiveness of contraception	Describe how neurons are adapted to their role	Interpret data and use it to support evidence.	Identify fertility drugs and IVF and describe techniques involved	Interpret data about blood glucose levels and hormone levels	Make scientific and ethical judgements about embryo screening.	Make effective use of data to support evidence.
	Sometimes use data to support evidence.	Identify auxins as a type of plant hormone and their role in plant growth	Describe the role of auxins in tropisms & the responses caused by their redistribution	Describe how gibberellins are involved in seed germination and ethene in cell division & ripening of some fruit	Describe accommodation and new technologies for correcting vision	Describe and explain applications of plant hormones	Construct and interpret ray diagrams	Explain why investigating the brain and treating disorders is difficult
AO3 Analyse and Evaluate	Describe some of the risks and benefits of some scientific discoveries.	Consistently draw conclusions with the available evidence.	Identify some causes of error and uncertainty in data or experimental procedures.	Evaluate data with reference to potential sources of random and systematic error.	Compare nervous and hormonal control	Explain scientific, economic and social issues with contraception	Discuss why questions relating to contraception cannot be answered by just science	Evaluate data on fertility treatments.
					Evaluate the reliability of methods in detail	Evaluate the use of different contraception		Evaluate methods of treating organ failure
AO3 Experimental Procedures	Recognise anomalous results & some causes of error.	Carry out a practical to investigate the effect of caffeine on reaction time	Select and apply appropriate experimental techniques	Describe method for investigating factors that affect seed germination	Make more complex and quantitative predictions using scientific knowledge and understanding	Safely carry out practical investigations by creating a full risk assessment	Justify the choice of experimental methods and apparatus	Use all the correct scientific language throughout.
	Identify variables in an investigation							