

Biology
Year 11 curriculum map

Year 11 Combined Science	T1	T2	T3	T4	T5	T6
Content / Topic for Term	Year 10 PPE topic review Inheritance	Inheritance (cont)	Prior revision and recap	Prior revision and recap	Prior revision and recap	GCSE examinations
Key Knowledge for acquisition, recall and application in assessment or exam	Year 10 PPE topic review <ul style="list-style-type: none"> • first three weeks review content identified from PPE covey grid Inheritance <ul style="list-style-type: none"> • sexual and asexual • meiosis • DNA and genome • sex determination 	Inheritance <ul style="list-style-type: none"> • inherited disorders • ethics and embryo testing • selective breeding • genetic engineering • fossils and extinction • classification 				
Key skills to apply in assessment or exam	<ul style="list-style-type: none"> • Use scientific vocabulary, terminology and definitions. • Explain every day and technological applications of 	<ul style="list-style-type: none"> • Use scientific vocabulary, terminology and definitions. • Use a variety of models such as representational, spatial, 	<ul style="list-style-type: none"> • Use scientific vocabulary, terminology and definitions. 	<ul style="list-style-type: none"> • Use scientific vocabulary, terminology and definitions. 	<ul style="list-style-type: none"> • Use scientific vocabulary, terminology and definitions. 	

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	science; evaluate associated personal, social, economic and environmental implications; and make decisions based on the evaluation of evidence and arguments.	descriptive, computational and mathematical to solve problems, make predictions and to develop scientific explanations and understanding of familiar and unfamiliar facts.				
Title of Knowledge Organiser	<ul style="list-style-type: none"> • Inheritance 	<ul style="list-style-type: none"> • Inheritance 				

Year 11 Seperate Science	T1	T2	T3	T4	T5	T6
Content / Topic for Term	Year 10 PPE topic review Homeostasis	Inheritance	Inheritance (cont)	Inheritance (cont)	Prior revision and recap	GCSE examinations
Key Knowledge for acquisition, recall and application in assessment or exam	Year 10 PPE topic review <ul style="list-style-type: none"> • first three weeks review content identified from PPE covey grid Homeostasis (cont) <ul style="list-style-type: none"> • glucose control • temperature control • reproductive hormones • contraception and ivf • the kidney • kidney transplants • plant hormones • germination 	Inheritance <ul style="list-style-type: none"> • sexual and asexual • meiosis • DNA and genome • DNA structure and mutations • protein synthesis • sex determination 	Inheritance <ul style="list-style-type: none"> • inherited disorders • ethics and embryo testing • variation • selective breeding • genetic engineering • cloning 	Inheritance <ul style="list-style-type: none"> • evolution • fossils and extinction • speciation • classification 		

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Key skills to apply in assessment or exam	<ul style="list-style-type: none"> • Use scientific vocabulary, terminology and definitions. • Interpreting observations and other data (presented in verbal, diagrammatic, graphical, symbolic or numerical form), including identifying patterns and trends, making inferences and drawing conclusions. 	<ul style="list-style-type: none"> • Use scientific vocabulary, terminology and definitions. • Appreciate the power and limitations of science and consider any ethical issues which may arise. 	<ul style="list-style-type: none"> • Use scientific vocabulary, terminology and definitions. • Explain every day and technological applications of science; evaluate associated personal, social, economic and environmental implications; and make decisions based on the evaluation of evidence and arguments. 	<ul style="list-style-type: none"> • Use scientific vocabulary, terminology and definitions. • Use a variety of models such as representational, spatial, descriptive, computational and mathematical to solve problems, make predictions and to develop scientific explanations and understanding of familiar and unfamiliar facts. 	<ul style="list-style-type: none"> • Use scientific vocabulary, terminology and definitions. 	
Title of Knowledge Organiser	• Homeostasis	• Inheritance	• Inheritance	• Inheritance		