High Tunstall College of Science Curriculum Intent

Subject: Biology Year: 11

Thread 5— Inheritance, Variation & Evolution



	Thread 5			Progress		
Торіс	Key ideas			R	Α	G
Inheritance ,	I can explain how features are inherited					
Variation & Evolution	I can use punnet squares to predict the inheritance of features					
	I can explain the process of	I can explain the process of meiosis				
	I can explain the process o	I can explain the process of selective breeding				
	I can explain the process a	I can explain the process and uses of genetic engineering				
	I can explain the process o	I can explain the process of cloning in animals and plants				
	I can evaluate the process	of animal and plant cloning				
	I can explain the process o	f evolution and extinction				
	I can explain how bacteria become resistant to antibiotics					
Lesson	Learning Focus	Assessment	Key	Key Words		
1	How are features inherited ?	Describe the function of alleles in inheritance				
2	Predict how features are in- herited using family tress and genetic diagrams	Use a range of genetic diagrams to predict inherited characteristics	Carrier			
3	How do we use genetic engi- neering in science ?	Explain the process and uses of genetic engineering				
4	How do we use selective breeding?	Explain the process of selective breeding in plants and animals				
5	How do we use the process of cloning ?	Compare and contrast the process of adult cell cloning and embryonic cloning	Surrogate			
6	How do bacteria become re- sistant to antibiotics ?	Explain the process of bacteria re- sistance	muta	ation		
7	What's the difference be- tween evolution and extinc- tion ?	Explain the theory of natural selec- tion and evaluate theories of ex- tinction.				