High Tunstall College of Science Curriculum Intent

Subject: Biology Year: 9

Thread 5— Inheritance, Variation & Evolution

	Thread 5— Inheritance, Variation & Evolution	Progress		
Topic	**Key ideas**	**R**	**A**	**G**
Thread 5– Inheritance , Variation & Evolution	I can describe the differences between sexual and asexual reproduction			
	I can explain the structure of DNA			
	I can explain how genetic disorders are inherited			
	I can explain sources of variation and how it is investigated			
	I can explain theories of evolution and supporting evidence			
	I can discuss the cause of endangered organisms and theories of extinction			

Lesson	Learning Focus	Assessment	Key Words
1	What is the difference between sexual and asexual reproduction	Comparison of the two processes	
2	How is DNA packaged ?	Matching activity of key literacy	Genome
3	How are genetic disorders inherited ?	Completion of genetic diagrams	allele
4	What creates variation ?	Classifying & grouping tasks	
5	What is the theory of natural selection ?	Extended	Evolution
6	How was evidence collected to propose the theory of natural selection ?	Production of summarising evidential report	
7	How are fossils formed ?	Differentiated worksheets	
8	What causes the extinction and endangerment of organisms ?	Evaluation of theories of extinction	
9	Review prior learning		Evolution, allele & Genome