

High Tunstall College of Science Curriculum Intent

Subject: Biology Year: 10

Thread 5— Inheritance, Variation & Evolution



	<u>Thread 5</u>	Progress		
Topic	Key ideas	R	A	G
Inheritance , Variation & Evolution	I can describe the differences between sexual and asexual reproduction			
	I can explain the structure of DNA			
	I can explain the process of genetic inheritance			
	I can how genetic disorders are inherited			
	I can classify organisms based on their characteristics			
	I can explain the role of variation in the process of natural selection			

Lesson	Learning Focus	Assessment	Key Words
1	What is the genome ?	Explain the genome project	DNA, genome
2	How is DNA packaged ?	Matching activity of key literacy	DNA, chromosomes, genes, nucleus
3	What is the difference between sexual and asexual reproduction	Comparison of the two processes	Sexual, asexual, variation, clones
4	How are genetic disorders inherited ?	Completion of genetic diagrams	Carrier , dominant, recessive
5	What are the unique symptoms of inherited disorders ?	Comparison of the disorders of Cystic Fibrosis and Polydactyl	Cystic fibrosis, polydactyl, inherited, carrier, dominant, recessive
6	What is the theory of natural selection ?	Extended	Natural selection, evolution
7	How are organisms classified ?	Classification of organisms based on features.	Species
8	Review prior learning	Series of tasks based on prior learning	Meiosis, carrier, species