

High Tunstall College of Science Curriculum Intent

Subject: Biology Year: 9

Thread 2 – Infection and Response



Biology Thread 2			Progress		
Topic	Key ideas		R	A	G
Infection & Response	I can state what a pathogen is and name the 4 different types.				
	I can define the term “communicable disease”				
	I can describe the body’s natural defences against pathogens				
	I can list methods of pathogen spread/transmission.				
	I can describe the work of Semmelweis.				
	I can compare the effect of antibiotics and painkillers and explain how they work.				
	I can explain antibiotic resistance and evaluate the use of antibiotics				
	I can describe the 3 actions of white blood cells.				
	I can define the term “immune”				
	I can explain the importance of memory cells and describe autoimmune diseases				
	I can define the term Vaccine.				
	I can describe the discovery of Vaccinations.				
	I can explain how Vaccinations work				
Lesson	Learning Focus	Assessment	Key Words		
1	What are communicable	Choice of a bronze or silver or gold test sheet which covers all the key questions of the lesson in different styles.	Communicable		
2	Antibiotics and painkillers	Research task to answer the 9 key questions of the lesson, plus a graph analysis task.	Painkiller		
3	The Immune Response	Choice of a level 1 or level 2 test sheet which covers all the key questions of the lesson in different styles to explain the action of white blood cells to result in immunity.	Immune		
4	Vaccines	Complete a card sort to describe the discovery of vaccines.	Vaccine		
5	How Vaccinations work	Create a flow chart or story board to explain how vaccinations result in immunity.			
6	Review prior learning	Identify areas of strength and areas for improvement.			