High Tunstall College of Science Curriculum Intent

Subject: Separate Biology Year: 11

Thread 2 – Infection and Response

	Biology Thread 2	Progress		
Topic	**Key ideas**	**R**	**A**	**G**
Infection & Response	I can define the terms "communicable" and "non-communicable".			
	I can explain and give examples of bacterial, vial, fungal and Protista diseases			
	I can describe how we can defend against disease, reviewing human defences, immunity and vaccination			
	I can evaluate drug trials			
	I can explain what monoclonal antibodies are and how they are produced			
	I can evaluate the use of monoclonal antibodies			

Lesson	Learning Focus	Assessment	Key Words
1	What can I remember about communicable disease?	SOLO taxonomy tasks	**Communicable,** virus, bacteria, fungi, protist
2-3	How can we defend against disease?	Completion of tasks linked to learning pathway based on baseline understanding of these areas	Vaccination, immunity, antibodies, antigens, development, placebo
4	How are monoclonal antibodies produced?	Compile a fact file about Semmelweis and his work and suggest other methods other than hand washing, to prevent the spread of pathogens.	**Monoclonal, a**ntibody
5	How are monoclonal anti-	Choice of a level 1 or 2 test sheet to explain the action of white blood cells to result in immunity.	Monoclonal antibodies