

**Invasion! Infection and Immunity Curriculum links for OCR Human Biology A-Level (current syllabus)**

**AS Unit F222: Growth Development and Disease - 2.3.1 Controlling the Spread of Infectious Disease**

**AS Unit F222: Growth Development and Disease - 2.3.2 Acquiring Immunity**

OCR Human Biology Unit Information	Invasion! Infection and Immunity Unit	Core or Additional unit
<b>2.3.1 Controlling the Spread of Infectious Disease</b>		
(e) Describe the symptoms, causes and means of transmission of tuberculosis (TB) and HIV/AIDS	Pathogens and The Immune Response	Core
(f) Outline the use of antibiotics in the treatment of infectious disease	Antibiotic Resistance	Additional
(g) Explain how the use of antibiotics leads to the evolution of resistant strains, with reference to TB and MRSA	Antibiotic Resistance	Additional
(h) Outline the precautions that should be used to reduce the spread of resistant bacteria in hospitals	Antibiotic Resistance	Additional
<b>2.3.2 Acquiring Immunity</b>		
(a) Explain what is meant by the term vaccine	Vaccination	Additional
(c) Explain what is meant by the term immune response, distinguishing between the non-specific and specific response	Pathogens and The Immune Response	Core
(e) Compare and contrast the modes of action of B and T lymphocytes in fighting infection;	Pathogens and The Immune Response	Core
(f) Distinguish between active and passive immunity and natural and artificial immunity	Pathogens and The Immune Response	Core
(g) Describe the role of memory cells in long term immunity	Pathogens and The Immune Response	Core
h) Explain the role of vaccination programmes in the prevention of epidemics by establishing herd immunity	Vaccination	Additional
(i) Describe, with the aid of diagrams, the general structure of an antibody and relate its structure to its function	Pathogens and The Immune Response	Core

