

Invasion! Infection and Immunity Curriculum Links for Edexcel Biology A-Level (8BIO1 and 9BIO1)

Unit 4 – The Natural Environment and Species Survival

Edexcel Biology Unit Information	Invasion! Infection and Immunity Unit	Core or Additional unit
Unit 4 – The Natural Environment and Species Survival		
Topic 6 : Infection, Immunity and Forensics		
Explain how bacterial and viral infectious diseases have a sequence of symptoms that may result in death, including the diseases caused by Mycobacterium tuberculosis (TB) and Human Immunodeficiency Virus (HIV).	Pathogens and the Immune Response	Core
Describe the non-specific responses of the body to infection, including inflammation, lysozyme action, interferon, and phagocytosis.	Pathogens and the Immune Response	Core
Explain the roles of antigens and antibodies in the body’s immune response including the involvement of plasma cells, macrophages and antigen-presenting cells.	Pathogens and the Immune Response	Core
Distinguish between the roles of B cells (including B memory and B effector cells) and T cells (T helper, T killer and T memory cells) in the body’s immune response.	Pathogens and the Immune Response	Core
Describe the major routes pathogens may take when entering the body and explain the role of barriers in protecting the body from infection, including the roles of skin, stomach acid, gut and skin flora.	Pathogens and the Immune Response	Core
Explain how individuals may develop immunity (natural, artificial, active, passive).	Pathogens and the Immune Response	Core
	Vaccination	Additional
Describe how an understanding of the contributory causes of hospital acquired infections have led to codes of practice relating to antibiotic prescription and hospital practice relating to infection prevention and control.	Antibiotic Resistance	Additional