

## **IB Curriculum Guide – Immune System & Infectious Disease**

IB Biology B

### **Essential Idea:**

- The human body has structures and processes that resist the continuous threat of invasion by pathogens.

### **Understandings:**

- The skin and mucous membranes form a primary defense against pathogens that cause infectious disease.
- Ingestion of pathogens by phagocytic white blood cells gives non-specific immunity to diseases.
- Projection of antibodies by lymphocytes in response to particular pathogens gives specific immunity.
- Antibiotics block processes that occur in prokaryotic cells but not in eukaryotic cells.

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