

**Trauma 999 Curriculum Links for OCR Twenty First Century Science Biology B (J257)**

**B2.1 What are the causes of disease?**

**B2.2 How do organisms protect themselves against pathogens?**

**B5.1 How do substances get into, out of and around our bodies?**

**B5.2 How does the nervous system help us respond to changes?**

**B2.1 What are the causes of disease?**

1. describe the relationship between health and disease

**B2.2 How do organisms protect themselves against pathogens?**

2. explain how platelets are adapted to their function in the blood

5. explain how white blood cells are adapted to their functions in the blood, including what they do and how it helps protect against disease

**B5.1 How do substances get into, out of and around our bodies?**

1. describe some of the substances transported into and out of the human body in terms of the requirements of cells, including oxygen, carbon dioxide, water, dissolved food molecules and urea

6. explain how red blood cells and plasma are adapted to their functions in the blood

**B5.2 How does the nervous system help us respond to changes?**

2. explain how the structures of nerve cells and synapses relate to their functions