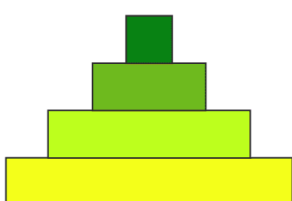
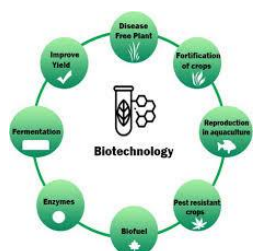


**The Orme Academy: Science Year 10**  
**Learning Journey (Biology)**

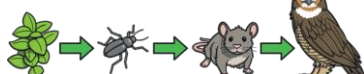


Food security

Biotechnology

Farming

Pyramids of biomass



Impact of environmental change

Species distribution

Ecosystems

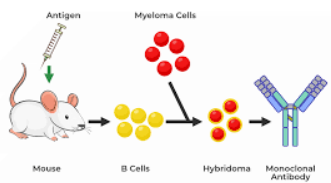
Biotic and abiotic factors

Adaptations

Food chains and food webs

Predator-prey relationships

**B4.5 Ecology**

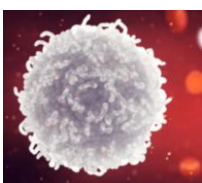


Uses of monoclonal antibodies

Monoclonal antibodies

Drug development

Antibiotic resistance



Culturing microorganisms

Antibiotics

Risk factors

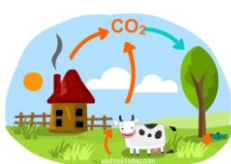
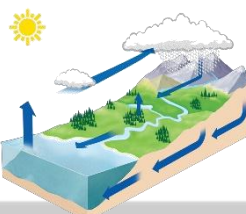
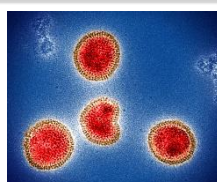
Communicable disease

Human defence systems

Immune response

Vaccination

Staying healthy

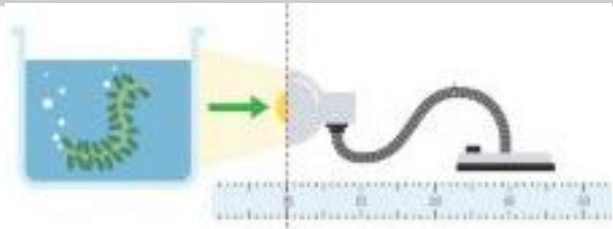


Rate of decay

Water Cycle

Carbon Cycle

Decay



Plant diseases and defences

Transpiration

Translocation

Photosynthesis

Limiting factors

Photosynthesis RP

**B4.3 Plant and Material Cycling**



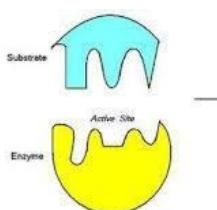
Metabolism

Response to exercise

Anaerobic respiration

Aerobic respiration

Heart disease

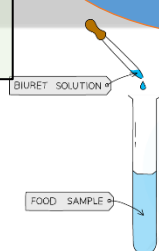


Blood and blood vessels

**B4.2 Circulation and Respiration**

Enzymes RP

Enzymes



Food Tests

Digestion and absorption

The Digestive System

Your journey starts here!

**B4.1 The digestive system**