

Gunnersbury Catholic School Biology



Biodiversity

- **Pollution**
- **Global Warming**
- **Maintaining Biodiversity**
- **Tropic Levels and Biomass**

Assessment

Organising an Ecosystem

- Feeding Relationships
- **Materials Cycling**
- **Carbon Cycle**
- **Rates of Decomposition**

Adaptations

- Communities
- Competition
- **Adapt and Survive**

Genetics and Evolution

- The History of genetics
- **Fossils and Extinction**
- **Antibiotic Resistant bacteria**
- Classification







Homeostasis in Action

- Body Temperature
- Removing Waste
- Kidneys



Variation and Evolution

- Variation
- Evolution by natural Selection
- Selective Breeding
- Genetic Engineering
- Cloning





Reproduction

- **Types of Reproduction**
- **DNA** and the Genome
- Inheritance
- **Protein Synthesis**
- Screening for genetic **Disorders**



Hormonal Coordination

- Hormonal Coordination
- **Diabetes**
- **Menstrual Cycle**
- **Plant Hormones**

Human Nervous System

- Principles of Homeostasis
- The Human Nervous system
- **Reflex Actions**
- The Brain and Eye



Bioenergetics

- **Photosynthesis**
- **Aerobic Respiration**
- **Anaerobic Respiration**





Cell Division

- The Cell Cycle
- **Growth and** Differentiation
- **Stem Cells**
- **Stem Cell Dilemmas**



Organising Animals and Plants

- The Blood and Blood Vessels
- The Heart
- **Breathing and Gas Exchange**
- Tissues and organs in plants
- Transport systems in plants
- Transpiration





- **Preventing Diseases**
- **Treating Diseases**
- Non Communicable **Diseases**









