

Programme of Study



Subject: Biology (Exam Board AQA)

Year: 9

Autumn 1

- Cell Structure
- Microscopy
- Required Practical 1: Using a Light Microscope
- Cell Differentiation and Specialisation
- Chromosomes, Mitosis and Binary fission
- Stem cells

Autumn 2

- Diffusion
- Osmosis
- Required Practical 3: Effect of sugar solutions on Plant cells
- Active transport
- Exchange Surfaces
- Exchange of substances in living organisms

Spring 1

- Cell Organisation
- The Lungs
- Circulatory System – The Heart
- Circulatory system – The Blood vessels
- Circulatory system – The Blood

Spring 2

- Plant cell Organization
- Transpiration and Translocation
- Transpiration and Stomata

Summer 1

- Enzymes
- Required practical: Investigating Enzymatic reactions
- Enzymes and Digestion
- Required Practical: Food tests

Summer 2

- Introduction to Health and Disease
- Cardiovascular Disease
- Risk factors for Non-Communicable Diseases
- Cancer