

KS3 Progression of Cells

Yr 9

- Gene conservation
- Cells & DNA inheritance
- Plant organs (structure / function)
- Cloning/Tissue cultures
- Types of reproduction (Sexual vs Asexual)

- Collecting qualitative /quantitative data
- Processing cells to harvest DNA
- Explaining results (offering explanations)
- Investigations (methodology / presenting results)

Yr 8

- Bacteria/viruses & the immune system
- Drugs affecting cellular processes
- Movement and Fitness (Muscles)
- Organs (Heart)
- Organs (Respiratory system)
- Organs (Digestion & Diet)

- Collecting qualitative /quantitative data
- Impaired vision goggles.
- Gathering data, measuring HR(Fitness activities)
- Huff & Puff (Indicators & chemical tests)
- Modelling (Bell jar & balloons, Oxygen cylinders)

Yr 7

- Cell Division
- Specialisation & Differentiation
- Cells → Tissues → Organs → systems
- What are living organisms made of?
- What are living organisms?

- Plant dissection (Safety, isolating structures)
- Onion slide (production of and observing)
- Microscope structure and basic functions
- Bioviewers (simple observations)

Content Progression

Cells

Skill Progression