



WHS Science Curriculum

Enzymes and Respiration

Why is respiration known as the most important chemical reaction on earth? Where would the world be without enzymes?

Plant Transport and Photosynthesis

How are plants similar to animals? How do they differ? Why do they need to photosynthesise?

Maintaining Internal Environments

How do we send messages in our body? What is a nerve impulse? What is a hormone?

Cell Processes

What are cells? How do substances move between cells? How do they divide?

Paper 2 – Key concepts

Can you recall key knowledge? Can you apply to unfamiliar situations? Can you evaluate scientific methods?

Ecology

How do scientists study the environment? Why is it so important? What can we do with our findings?

Health and Disease

What causes disease? How do we fight pathogens that cause disease? What is a vaccine and how does it work?

Genetics and Evolution

What determines our characteristics? Why do we look like our parents? What is evolution?

Paper 1 – Key Concepts

Can you recall key knowledge? Can you apply to unfamiliar situations? Can you evaluate scientific methods?

Exams...

Destination: SUCCESS!

Biology KS4 Year 10 and 11