



WHS Science Curriculum

Cell Processes

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

Environmental Chemistry

How can I apply my learning to real-world examples? What is the chemistry of climate change? How do we get the materials we need to make the products we want?

Density and Pressure

How do particles explain the physical properties of materials? How can they explain the forces we feel?

Transport in Animals

Why are transport systems necessary? What substances need to be transported? How?

Purity and Separating Mixtures

How do we ensure that a substance is pure? What techniques can we use to separate different mixtures?

Energy

What are the laws of energy transformations? Which energy resources should we use to generate electricity? Why?

Community Level Systems

All organisms in an ecosystem are dependent on each other. But how? Why?

Atomic Structure

What are atoms? What are they comprised of? Why do they behave like they do? How did we find out?

Waves

What are waves? How can they be measured? How are they useful? What can they tell us about the world around us?

Finals...

Destination. SUCCESS!

KS3

Year 9