

Year 7

Science Curriculum

Cells

What are the two main types of cells? What is respiration? What is photosynthesis?



Particles

What is diffusion? What does it mean to change state? What is the difference between a physical and a chemical change?



Forces

What are forces? How can we represent them? What is the difference between mass and weight?



Ecology

All organisms in an ecosystem are dependent on each other. But how? Why? How have organisms evolved over time?



Chemical Reactions and Acids and Alkali's

How can we represent chemical reactions? What are the key signs of a chemical change?



Energy and Electricity

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



Respiration

What is respiration? Why is it so important?



Physical Change

What is a mixture? How can I separate mixtures?



Gravity, Static and Magnetism

What is gravity? What is the link between gravity and weight? Why are magnets so useful?



Evolution

How have organisms evolved over time? Why do giraffes have long necks?

