KS3 SCIENCE LEARNING JOURNEY



Combined or Triple Science

States of matter Density Specific latent heat KS4

Matter

Electricity

Series/parallel Current/Voltage

Electrolysis Aqueous solutions Extraction of aluminium

Electrolysis



Atoms

Atoms **Mixtures** Isotopics **Energy**

Kinetic / GPE **Efficiency** Power

Digestive system Enzymes Food tests

Digestion

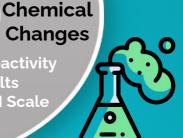
Bonding

Ionic Covalent Metallic

Reactivity Salts Ionic pH Scale Covalent

Organisation

Metallic





Cells

Microscopes Cell division Diffusion



Genes

Natural selection Extinction Inheritance

Modelling waves Sound waves

Water waves Waves

Electromagnets

Magnetic fields **Electromagnets**





Matter

Periodic Table Compounds **Elements**



Reactions Combustion Exo/endothermic **Bond energies**

Gas exchange Drugs Diet

Organisms

Ecosystems

Respiration **Biotechnology** Photosynthesis



Carbon cycle Recycling

Global warming



Energy

Work done **Energy transfer** Radiation

Forces

Friction Turning forces Pressure



Genes

Variation Reproductive systems Adolescence

> Waves Sound Light Colour



Organisms

Animal and Plant Cells Diffusion Microscopy

Ecosystems

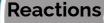
Food Chains Plant Anatomy Seeds

Crust, Mantle, Core Rocks The Solar System

Earth

Electromagnets

Series/parallel circuits Resistance Voltage/current



Bonding Combustion Signs of reactions

Energy Transfer Matter

Fuels Particles Power **State Changes** Dissipation

Speed

Forces Gravity Distance time graphs



