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Progression to next stage of learning:
Post 16



TREVIGLAS
ACADEMY

Science Topic Roadmap

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Rates

Rates of reactions

Developing: Energy stores and transfer, Photosynthesis

Conservation of Energy

Lock and Key, Energy resources.

Embedding of scientific method

Latent heat, Density

Developing: Thermal Transfer, Transfer in cells, Atomic Structure

Change of state and Internal Energy

Density, Enzymes, Infection

Developing: Chemical changes, Energy Resources

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Improving—biodiversity and reducing pollution

Interdependence, Human Impact, Reflection and Refraction

Respiration, Global Warming, Pollution, Waves

Ohms law, Moles

DNA, circuits, E.magnetism

Natural Selection, Food Webs.

Why use the periodic table and the Bohr model?

Lifestyle Periodic table trends

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Energy Stores, Photosynthesis, Reactions, Space

Using Photosynthesis Thermal Transfer

Choosing resources

Development of scientific method

Breathing, Reactivity Periodic table

Forces calculations, Chemical Formula, Energy

Growing Up, Conservation of Mass, Change of State, Resistive Forces

Forces, Variation, Atoms, Elements and Compounds

Using separating techniques, Diffusion, Matter

Cells, Particle model, Separating techniques

Introduction to scientific method

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Description of Processes or models

Scientific method

Application/explaining using Models or processes

Justification of models

Quantitative Methods