

Sensational Science

Innovation

Key Vocabulary

Tier 1: Copper, Mixture, Day, Night, Fact, idea, Proof, Sun, Earth, Push, Pull, Air pressure, Opinion, Family, Argument, Evidence, Factor

Tier 2: Solution, Physical reaction, Solar system, Eclipse, Planet, Force, Kingdom, Survival of the fittest, Debate, Dispute, Reliable, Unreliable

Tier 3: Carbon dioxide, Irreversible, Alkaline, Reversible, Chemical reaction, Tarnished, Oxide, Inert, Oxidation, Hypothesis, Axis, Gravity, Orbit, Classification, Genus, Linnaeus, Friction, Characteristics, Classification, Newton, Adaption, Environmental, Extinction, Evolution, Experimentation, Theorisation

Prior Knowledge

This sequence will cover all the topics the children have covered in this cycle, revisiting space, plants, classification, states of matter and evolution.



My Component Knowledge:

Lesson 1: To investigate the physical and chemical reactions of mixing given solids with liquids

Lesson 2: To research a range of space discoveries

Lesson 3: To identify the forces behind a range of phenomena

Lesson 4: To recap on classification systems and explore some scientifically challenging living things to classify

Lesson 5: To identify key adaptations in creatures and plants that survive in extreme conditions

Lesson 6: To research and analyse the range of evidence for disputed concepts within the scientific world

My Composite Knowledge:

I can recall prior learning and use this to consolidate my knowledge. I can understand the science behind chemical reactions, understand and explain adaptations.

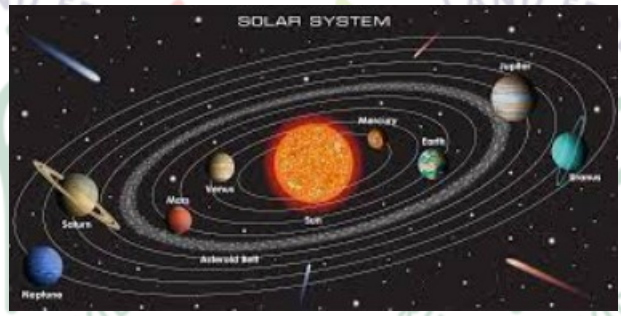
My Powerful Knowledge:

I can recall my learning to answer questions based around my scientific knowledge that I have gained over the course of the cycle and unpick the science behind experiments.

What causes a chemical reaction?



Plant Adaptations
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What does adaptation mean ?