

Sensational Science

Innovation



Prior Knowledge

This unit covers previous learning over the last 3 and 4 years. It draws on different parts of the children's knowledge and extends their learning through practical investigation and exploration.

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, Characteristics, Classification, Friction, Newton, Adaption, Environmental, Extinction, Evolution, Experimentation, Theorisation

My Component Knowledge:

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

Lesson 2: I can research a range of space discoveries

Lesson 3: I can identify the forces behind a range of phenomena

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

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

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

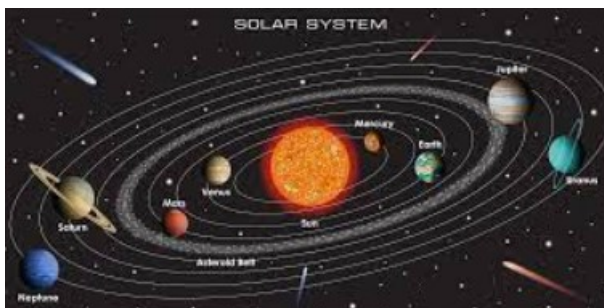
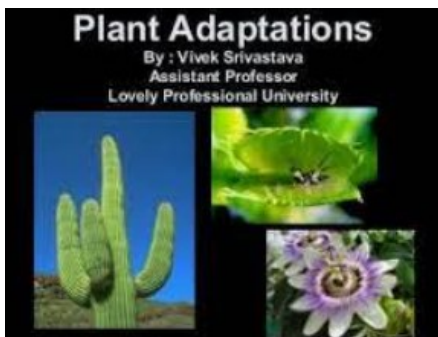
My Composite Knowledge:

I can recall prior learning and use this to consolidate my knowledge. I can understand the science behind chemical reactions as well as 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 Key Stage 2 and unpick the science behind experiments.

What causes a chemical reaction?



What does adaptation mean?