

SCIENCE

PREP

An Introduction to science

Students will be introduced to the world of science through various dynamic, interactive, and engaging experiments. Each lesson will focus on a new scientific fundamental including safety, light, magnetism, chemical reactions, and the density of objects, all this while growing their confidence in the resources and developing the foundation they need to engage with the scientific method. Students will learn the importance of problem-solving and the power of asking questions.

1/2

How The Body Works

This Term in science, we are becoming human biologists and discovering what makes us tick. We will learn about blood and how it travels around our body like a delivery team, carrying important things where they need to go. We will explore how the heart works like a strong pump, how our lungs help us breathe in fresh air, and how our stomach breaks food down to give us energy. We will even talk about some of the yuckier parts of our bodies and why they are actually very important.

3/4

Scale Of The Universe

How big is the universe? Launching through the atmosphere with their bottles rockets, students will be observing all there is to discover throughout the universe. As asteroids and comets wizz by, planets form, and stars explode, students will be there to analyse the fundamental forces that dictate these astronomical events. Once they have sense of scale with how everything fits into the universe, we start to look at the strange and spooky aspects of space like Quasars and Pulsars.

5/6

States Of Matter

Matter is all that matters. Students will be following the transformation of elements as they shift from one state of matter to another, analysing the variety of behaviours exhibited by solids, liquids, and gases and the properties each of them can exhibit. Students will be engaging in various experiments to manipulate and control three of the states of matter, observing changes in density, temperature, and structure at the atomic level.