



Year 3 Sticky Knowledge: Scientific Concepts

Biology

I know about the importance of a nutritious, balanced diet

I know how nutrients, water and oxygen are transported within animals and humans.

I know about the skeletal and muscular system of the human.

I know the function of different parts of flowering plants and trees.

I know how water is transported in plants.

I know the plant life cycle, especially the importance of flowers.

Chemistry

I know how to compare and group rocks base don their appearance and physical properties.: giving reasons.

I know how soil is made and fossils are formed.

I know about and explain the difference between sedimentary, metamorphic and igneous rock.

Physics

I know about and describe how objects move on different surfaces.

I know how a simple pulley works and use it to lift an object.

I know how some forces require contact and some do not, giving examples.

I know about an explain how magnets attract and repel. Predict whether magnets attract or repel and give a reason.

I know that dark is the absence of light and know that light is needed in order to see and is reflected from a surface.

I know how a shadow is formed and explain how a shadow changes shape.

I know about the danger of direct sunlight and how to keep protected.