

SCIENCE

Know that light travels in straight lines **Understand how** this enables us to see Explore how the shapes of

shadows changes

Y6 Animals including Humans

Know the basic parts and functions of the circulatory system Recognise impact of diet, exercise, drugs and lifestyle on the human body Describe how water transported in the body

Y6 Living Things and Habitats

Describe how living things are classified, including micro-organisms, plants and animals Give reasons for classifying based on specific characteristics

Y6 Evolution and Inheritance

living things from Recognise that offspring vary from their parents have adapted to be

Y6 Electricity

Associate brightness of lamp or volume of buzzer with voltage within a cell/circuit Compare and give reasons for how series and parallel circuits Use recognised symbols when drawing a circuit

Upper

(5+6)

Y5 Earth and Space

Know the movement of the Earth, Sun and each other Know the movement of the moon Describe the shape of all these things as spherical bodies Know how we get day and night

Y5 Animals including Humans

Recognise and describe changes in humans from birth to old age

Y5 Living Things and Habitats

Life cycles of mammals. amphibians, insects and birds Basics of

reproduction

Y5 Properties and

Materials Group materials based on their properties eparating mixtures Test uses of materials Recognise reversible and irreversible changes and know why

Y5 Forces

Know how gravity works resistance, water resistance and friction affect an object explore how gears/pulleys work

Y4 Sound

Know how sounds are made Know how sound travels to the ear Recognise patterns between pitch and the obiect Recognise patterns between volume and sound waves Recognise sound gets fainter the further

Y4 Animals

including Humans Functions and parts of the human digestive system Know all the different types of teeth and their Recognise and draw food chains

Y4 Living Things

ow living things classification keys to name things in an can change and how this poses dangers

Y4 States of Matter

group solids, liquids and gases temperature of which they change Basic water cycle

Y4 Electricity

Identify electrical appliances Recognise a series circuit and its components including lamps and switches Recognise and name conductors and insulators

Lower

Y3 Light

Know you need light to see Know light is reflected Know the importance of sun protection Recognise shadows and patters of size

Y3 Animals

and webs

including Humans Know animals need the right nutrition Recognise and name parts and functions of the different major

Y3 Green Plants

Know the function of plant parts Explore the requirements for plants to grow Investigate how water is transported Pollination cycle

Y3 Rocks and

Fossils group rocks Describe simply how fossils are Recognise that soils are made up of lot of small rocks

Y3 Forces and Magnets

Compare how things move on different surfaces Know some forces need contact and some don't Know magnets can attract and repel Compare and classify magnetic materials Know about poles and predict whether two

magnets will attract/repel

(3+4)

Y2 Animals

including Humans Know that animals have offspring Know what an animal needs to survive Know how exercise, health and hygiene affect humans.

Y2 Green

Plants Know how seeds and bulbs grow into plants Know what plants needs in order to grow

Y2 Everyday

Know how the shapes of some objects can be changed by pushing, pulling and twisting

Y2 Living Thing and Habitats

that are living, dead, never alive Know how habitats are suited to needs Name plants and animals in a habitat Recognise and complete simple

KS1

Y1 Light

Name sources of light Know shadows are when light is blocked

Y1 Animals including Humans

Identify/name birds, fish, amphibians etc. Recognise carnivores/ herbivores/omnivore

Structure of different Parts of the human body and senses

Y1 Green <u>Plants</u>

plants and trees Recognise deciduous and evergreen plants **Understand** basic structure of flowering plant

Y1 Everyday **Materials**

and object and the material it is made from **Understand simple** physical properties of Compare and group

Y1 Seasons

Observe changes seasons Match the weather to the correct season Know that day length changes throughout the year