

KS1 Science Cycle B

KS1 Plants

I can identify and name a variety of common wild and garden plants, including deciduous and evergreen trees

I can identify, label and describe the structure of a plant (including leaves, flowers (blossom), petals, fruit, roots, bulb, seed, trunk, branches, stem)

I can find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.

I can observe and describe how seeds and bulbs grow into mature plants (germination for year 2)

I can observe and record changes across the four seasons - observing how the plants change in the local area throughout the year

I can answer questions about plants growing in my local area

I can observe, identify and group familiar plants

KS1 Keeping fit and healthy

I can find out about and describe the basic needs of animals, including humans, for survival (water, food and air)

I can describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.

I know that all living things have certain characteristics that are essential for keeping them alive and healthy.

I can explore, compare and classify things according to whether they are living, dead or were never alive.

KS1 Electricity

I can identify everyday appliances that use electricity.

I know that everyday appliances are connected to the mains and that they must be used safely

I can recognise that some devices use batteries which supply electricity; these can be handled safely

I can record the appliances in categories and justify the groupings *e.g. say that the tape recorder and the radio both make sounds.*

KS1 forces and movement-pushes and pulls

I can identify that there are many sorts of movement which can be described in many ways eg swing, turn, go round, go faster, slow, fast and how they might be stopped

I can understand that pushing or pulling things can make objects start or stop moving

I can identify similarities and differences between the movement of different objects

I can identify the cause of motion eg the water pushed the wheel around or the wind made the branches move.

KS1 Material properties

I can identify and name a variety of everyday materials e.g. wood, plastic, metal, glass, water and rock.

I can distinguish between an object and the material from which it is made

I can compare and group together a variety of everyday materials on the basis of their simple physical properties

I can describe the simple physical properties of a variety of everyday materials

I can explore, discuss and ask/answer questions about everyday materials (inc wood, plastic, glass, metal, water, and rock)

I can explore and experiment with a wide variety of materials to explore scientific questions e.g. 'What is the best material for an umbrella? ...for lining a dog basket? ...for curtains? ...for a bookshelf? ...for a gymnast's leotard?'

KS1 Scientific thinking

I can ask and answer questions about what I notice

I can record my work in different ways e.g. through picture, diagrams and charts.

I can observe changes over time

I can notice similarities, differences and patterns

I can group and classify things

I can carry out simple comparative tests

I can find things out using secondary sources of information

I can use appropriate scientific language from the national curriculum to communicate my ideas in a variety of ways