

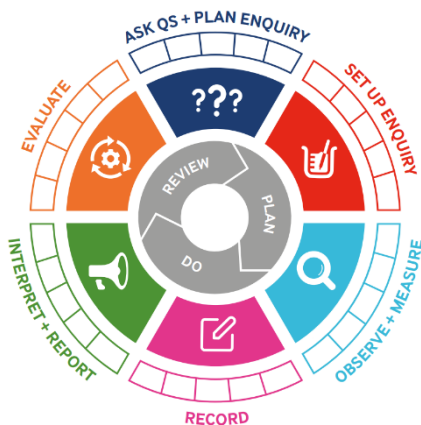


Science progression for Year 1 at Probus Primary School

Green- KS1 Red- Year 1

National Curriculum objectives: In this unit, children will be taught to:

Working Scientifically



Pupils will be taught to use the following practical scientific methods, processes and skills:

WS1 asking simple questions and recognising that they can be answered in different ways

Ask questions about how and why things change

Ask questions about how and why things are similar or different

Ask questions about how things are and the way they work

Ask questions to find out what people do and how things work

Ask questions about why and how things are linked

WS2 observing closely, using simple equipment (hand lenses/egg timers) and measurement

With help identify changes to observe and measure and suggest how to do it
identify simple changes and talk about them

Make comparisons between simple features of objects, materials or living things

WS3 performing simple tests

With help notice links between cause and effect

With help identify simple variables to change and measure

Identify similarities and differences and talk about them

WS4 identifying and classifying

Decide what to observe to identify or sort things

Sort objects by observable and behavioural features

WS5 using their observations and ideas to suggest answers to questions

WS6 gathering, recording and communicating data and findings to help in

Plants

- P1 identify and name a variety of common wild and garden plants, including deciduous and evergreen trees in the local environment and other biomes
- P2 identify and describe the basic structure of a variety of common flowering plants, including trees.

Animals, including Humans

- AH1 identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals and invertebrates
- AH2 identify and name a variety of common animals that are carnivores, herbivores and omnivores and understand how teeth can be used to recognise these animals
- AH3 describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets and invertebrates)
- AH4 identify, name, draw and label the basic parts of the human body (eyes, ears, mouth, nose, skin, ankle, elbow, wrist, hip, waist,) and say which part of the body is associated with each sense.

Everyday Materials

- EM1 distinguish between an object and the material from which it is made including manmade or natural
- EM2 identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock
- EM3 describe the simple physical properties of a variety of everyday materials
- EM4 compare and group together a variety of everyday materials on the basis of their simple physical properties.

Seasonal Changes

- SC1 observe changes across the four seasons and relate to our local environment and other countries of the world
- SC2 observe and describe weather associated with the seasons and how day length varies and relate to our local environment and other countries of the world
- SC3 recognise the difference between weather and climate.

answering questions.

With help make suggestions about how to find things out

Use simple books and electronic media to find things out

begin to use scientific language to talk about what you have found out

Record my sorting in sorting circles or tables

Record in words and pictures what you find out

Record observations in words or pictures or simple tables

WS7 use scientific language and read and spell age-appropriate scientific vocabulary

Begin to use scientific language to talk about how things are similar or different

Use vocabulary related to the topic

WS8 begin to notice patterns and relationships.

With help decide what patterns to observe and measure and suggest how to do it.

Identify simple patterns and talk about them

Make links between two sets of observations

