

Science Curriculum - Year 1

Key: Biology ■

Physics ■

Chemistry ■

Plants

- I can identify and name a variety of common wild and garden plants, including deciduous and evergreen trees.
- I can identify and describe the basic structure of a variety of common flowering plants, including trees.

Ideas for working scientifically:

Carry out Nature Walks in local environment. Observe, compare & contrast plants using magnifying glasses, describe how they were able to group them, draw diagrams showing the parts of different plants. Keep records of how plants change over time e.g. leaves falling off trees, buds.

Animals including humans

- I can identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals
- I can identify and name a variety of common animals that are carnivores, herbivores and omnivores
- I can describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets)
- I can identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense

Ideas for working scientifically:

Visit a City Farm to use observations to compare & contrast animals at first hand, describe how they can identify & group them, use their senses to compare different textures, sounds and smells.

Everyday Materials

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

Ideas for working scientifically:

Perform simple tests to explore questions e.g. 'What is the best material for an umbrella? for lining a dog basket? for curtains? for a running top?

Seasonal Changes

- I can observe changes across the four seasons
- I can observe and describe weather associated with the seasons and how day length varies.

Ideas for working scientifically:

Make tables and charts about the weather, make displays of what happens in the world around them, including day length, as the seasons change.