

Science

Scientific Knowledge and Conceptual Understanding: Year 1 Expectations

Please Note: Much of the learning in Year 1 can be done throughout the year using the school and the local environment. For example plants can be observed to make a linked to seasonal change and weather at various different times. Materials could be linked to a different creative theme throughout the year. Key learning can also be covered as a blocked science unit in its own right to introduce or consolidate learning at other times.

Plants: Common Names and Basic Structure	Animals - Humans	Animals - Other Animals
<ul style="list-style-type: none">Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees.Identify and describe the basic structure of a variety of common flowering plants, including trees (at least: flower, leaf, root, stem, trunk, seed, branch and petal).	<ul style="list-style-type: none">Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.<ul style="list-style-type: none">Recognise that humans are animals.Compare and describe differences in their own features (eye, hair, skin colour, etc.).Recognise that humans have many similarities.	<ul style="list-style-type: none">Identify and name a variety of common animals including some fish, some amphibians, some reptiles, some birds and some mammals.Identify and name a variety of common animals that are carnivores, herbivores and omnivores (i.e. according to what they eat).Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, and including pets).<ul style="list-style-type: none">Find out and describe how animals look different to one another.Group together animals according to their different features.Recognise similarities between animals: Structure: head, body, way of moving, senses, body covering, tail.Animals have senses to explore the world around them and to help them to survive.Recognise that animals need to be treated with care and sensitivity to keep them alive and healthy.Animals are alive; they move, feed, grow, use their senses and reproduce.
Material Properties – Everyday Materials		Light and Astronomy – Seasonal Change
<ul style="list-style-type: none">Distinguish between an object and the material from which it is made.Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, rock, brick, paper and cardboard.Describe the simple physical properties of a variety of everyday materials.Compare and group together a variety of everyday materials on the basis of their simple physical properties.		<ul style="list-style-type: none">Observe and describe changes across the four seasons.Observe and describe weather associated with the seasons and how day length and temperature varies.