



End of Year Group Expectations Key Knowledge

Subject	Science
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Below is the **knowledge** that children in each year group need to know by the end of each academic year to ensure teachers can decide whether children are working at:

- Age related
- Above
- Below

National Curriculum statements in red are from other linked Science units.

Knowledge		
FS	YR1	YR2
Plants		
Name and describe some plants that are familiar to them.	- 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.	- Observe and describe how seeds and bulbs grow into mature plants. - Find out and describe how plants need water, light & a suitable temperature to grow and stay healthy. - Identify and name a variety of plants and animals in their habitats, including microhabitats. (Y2 - Living things and their habitats)
Materials	Everyday Materials	Uses of Everyday Materials
- Explore collections of materials, identifying similar and different properties. - Talk about differences between materials and changes they notice. - Observe and interact with natural processes, such as ice melting.	- 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, and rock. - 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.	- Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses. - Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.
Animals, including Humans		
Name and describe animals that they are likely to see in different	Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals.	Notice that animals, including humans, have offspring which grow into adults.

habitats, woodland, non-woodland.	- Identify and name a variety of common animals that are carnivores, herbivores and omnivores. - Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets). - Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.	- Find out about and describe the basic needs of animals, including humans, for survival (water, food and air). - Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.
Seasonal Changes		
- Understand the effect of changing seasons on the natural world. - Know how animals behave differently as the seasons change.	- Observe changes across the 4 seasons. - Observe & describe weather associated with the seasons and how day length varies.	
Living Things & Their Habitats		
- Name and describe animals that they are likely to see in different habitats, woodland, non-woodland. - Name and describe some plants that are familiar to them.	- Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees. (Y1 - Plants) - Identify and describe the basic structure of a variety of common flowering plants, including trees. (Y1 - Plants) - Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals. (Y1 - Animals including humans) - Identify and name a variety of common animals that are carnivores, herbivores and omnivores. (Y1 - Animals including humans) - Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets). (Y1 – Animals, including humans) - Observe changes across the four seasons. (Y1 - Seasonal change)	- Explore and compare the differences between things that are living, dead, and things that have never been alive. - Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other. - identify and name a variety of plants and animals in their habitats, including micro habitats. - Describe how animals obtain food from plants and other animals, using the idea of a simple food chain, & identify & name different sources of food. - Notice that animals, including humans, have offspring which grow into adults. (Y2 - Animals including humans)