Y2 Knowledge progression	Year 1 - Children working at national standard…	Year 2 - Children working at national standard…
Working Scientifically	• Asking simple questions and recognising that they can be answered in different ways. • Observing closely, using simple equipment. • Performing simple tests. • Identifying and classifying. • Using their observations and ideas to suggest answers to questions. • Gathering and recording data to help in answering questions.	**Same objectives as Year 1 however some children should be showing greater depth In some areas of working scientifically.** • Asking simple questions and recognising that they can be answered in different ways. • Observing closely, using simple equipment. • Performing simple tests. • Identifying and classifying. • Using their observations and ideas to suggest answers to questions. • Gathering and recording data to help in answering questions.
Living things in their habitats		• Explore and compare the differences between things that are living, dead, and things that have never been alive. • Identify and name a variety of plants and animals in their habitats, including micro-habitats. • 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. • Describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food.
Plants	• 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.	• Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy. • Observe and describe how seeds and bulbs grow into mature plants.
Animals including humans	• Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals including pets). • Identify and name a variety of common animals that are carnivores, herbivores and omnivores.	• Notice that animals, including humans, have offspring which grow into adults. • Find out about and describe the basic needs of animals, including humans, for survival (water, food, air). • Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.
Uses of everyday materials	• Distinguish between an object and the material from which it is made. • Compare and group together a variety of everyday materials on the basis of their simple physical properties. • Describe the simple physical properties of a variety of everyday materials. • Identify and compare the uses of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses.	• 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.