



Cupernham Infant School – Science Overview



	Year R – Throughout the year and through our continuous provision, children are provided with a wide range of opportunities to explore Science throughout Understanding of World.	Year 1	Year 2
Autumn 1	All About Me In this topic through Understanding of the world, we will be learning all about ourselves, locating and naming our body parts, keeping clean and brushing our teeth.	Me, Me, Me In this topic we will identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.	Amazing animals In this topic we will notice that animals, including humans, have offspring which grow into adults. We will describe the basic needs of animals (and humans) for survival. Finally we will explore and compare the differences between things that are living, dead, and things that have never been alive.
Autumn 2	Celebrations	Perfect Pets In this topic we will identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals. We will also describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds, mammals, including pets).	Materials In this topic we will identify and compare the suitability of a variety of everyday materials, for particular uses and find out how the shapes of solid objects can be changed by squashing, bending, twisting and stretching.
Spring 1	Terrific Travel In this topic, we get to explore pushes and pulls and how different vehicles travel.	Perfect Pets In this topic we will identify and name a variety of common animals that are carnivores, herbivores and omnivores.	Pushes and pulls In this topic we will begin to explore how objects can move in various ways and understand how pushing or pulling of an object can affect its motion. Plants – 1 week before half term In this topic we will recap on our knowledge from Year 1 all about plants, describing how seeds and bulbs grow into mature plants and then find out and describe how plants need water, light and a suitable temperature to grow and stay healthy
Spring 2	Here and there	Plants In this topic we will identify and name a variety of common wild and garden plants, including deciduous and evergreen trees. We will also identify and describe the basic structure of a variety of common flowering plants, including trees.	Plants In this topic we will observe how seeds and bulbs grow into mature plants and find out and describe how plants need water, light and a suitable temperature to grow and stay healthy. 3. Identify and name a variety of plants and animals in their habitats, including microhabitats.
Summer 1	Down on the Farm In this topic we will look at animals, specifically farm animals. We will visit a farm and see all the animals, learning how the farmers care for them and naming the animals we see.	Materials In this topic we will distinguish between an object and the material from which it is made. We will also identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock. We will describe the simple physical properties of a variety of everyday materials and finally compare group together a variety of everyday materials on the basis of their simple physical properties.	Healthy Humans! In this topic we will describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.
Summer 2	Glorious Gardens In this topic we will look at plants and planting in our outdoor environment. We will look at the parts of a plant and begin to explore and be curious about what a plant needs to grow. We will get the chance to garden and look after plants.	Amazing Animals In this topic we will identify where animals live and begin to understand what a habitat is.	Habitats around the world In this topic we will identify that living things live in habitats to which they are suited & describe how different habitats provide for the basic needs of different kinds of animals & plants, & how they depend on each other. We will identify & name a variety of animals in their habitats, including microhabitats. We will also describe how animals obtain their food from plants & other animals, using the idea of a simple food chain.
Longitudinal study and seasonal changes running throughout the year. All year groups will explore seasonal changes throughout the whole year.			