Town Lane Infant School – Y2 Science Long Term Plan

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Theme	**'Here I am'** **Article 27 Identifying basic animal needs**	**Looking Back**	**The House That Jack Bult**	**Hot Hot Hot**	**Carnival of the Animals**	**Great British Summer Time**
Science	**What makes me marvellous?** Humans- Basic needs Human life cycle Labelling body parts and their uses Living / Non-living Food / hygiene and exercise *Hygiene-mouldy bread experiment*	**Uses of everyday materials** Materials and their properties and uses-How can we protect Bertha the Hen's egg? Scientific skill-research Scientist study-who invented plastic?	**Plants** Labelling a bulb Scientific skill-pattern spotting Will Jack's largest bean grow the tallest?	**Animals and their habitats -How are they suited?**	**Animals (including Humans)** Habitats-sorting and classifying (animals) How is an elephant suited for its environment? What conditions do plants need for growth? (link to plants in contrasting environments and how they are suited) Science skill-fair testing	**Micro habitats and minibeasts** Minibeast habitats Life cycles and food-chains Has our quad design been successful?
National Curriculum Objectives	Explore and compare the differences	Pupils should be taught to: - identify and	Pupils should use the local environment	Find out and describe how plants need water, light	Identify that most living things live in habitats to which	Identify that most living things live in habitats to which

	between thin that are living, dead, an things that have never been alive. Pupils should be taught - notice that animals, including humans, have offspring which grow into adults. - Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene. -find out about and describe the basic needs of animals, including humans, for	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.	throughout the year to observe how different plants grow. Observe and describe how seeds and bulbs grow into mature plants	and a suitable temperature to grow and stay healthy. Identify and name a variety of plants and animals in their habitats, including microhabitats 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	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.	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 microhabitats. 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.

	survival (water, food and air)					
Working Scientifically coverage 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	Observing changes over time (Mouldy bread experiment during Health week)	Comparative/Fair testing (testing suitable materials for egg box challenge Scientific research- Who invented plastic? Is this a good thing (debate)	Pattern seeking (does the largest bean grow the tallest ?)	Identifying and classifying/Scientific Research	Identifying and classifying/ Scientific Research	Identifying and classifying/ Scientific Research

questions gathering and recording data to help in answering questions						