

Intent:

The Science curriculum will develop and nurture pupils' curiosity by not only following the National Curriculum, but also following their questions and interests to hopefully develop a love, passion and appreciation for Science. Pupils will continue to develop their scientific knowledge through carefully planned exciting Science opportunities. Pupils will continue to develop an understanding of the process and methods of Science by providing a range of Scientific enquiries, investigations and questions to help them explore the world around them. Pupils will experience and observe the world around them to deepen prior learning and begin to use simple scientific language.

Term	Week/s	Topic/Theme	Learning Outcome/s Knowledge and Skills To know, to use, to apply...	Literacy Link Numeracy Link SMSC Link
Autumn 1	1 - 8	Animals including humans - Human focus	<p><u>Knowledge Outcomes:</u></p> <ul style="list-style-type: none"> Identify some parts of the body. Name some parts of the body. Begin to draw and label some basic parts of the human body. <p><u>Skill Outcomes:</u></p> <ul style="list-style-type: none"> Begin to say which part of the body is associated with some of the senses. Sort some living and non-living things. Begin to link some of the correct parts of the human body to each sense. 	<p>Literacy: Speaking and listening Writing Reading</p> <p>Numeracy: Counting and recording</p> <p>SMSC: Enjoy learning about themselves Enjoy learning about the world around them</p>
Autumn 2	1 - 7	Materials	<p><u>Knowledge Outcome:</u></p> <ul style="list-style-type: none"> Be aware of a variety of everyday materials, including wood, plastic, glass, metal, water, and rock. Begin to describe the simple physical properties of a variety of everyday materials. <p><u>Skill Outcome:</u></p> <ul style="list-style-type: none"> Be aware of a variety of everyday materials, including wood, plastic, glass, metal, water, and rock. Have an awareness of the link between an object and the material from which it is made. Begin to compare a variety of simple everyday materials. Begin to group together a variety of simple everyday materials. Identify the basic material that an object is made from. 	<p>Literacy: Speaking and listening Writing Reading</p> <p>Numeracy: Counting and recording Measurement Sorting and reasoning</p> <p>SMSC: Socialise with other pupils and other people Enjoy learning about the world around them</p>
Spring 1	1 -6	Seasonal Changes	<p><u>Knowledge Outcome:</u></p> <ul style="list-style-type: none"> Name the seasons. Begin to describe weather associated with some of the seasons. Begin to know that day length varies with different seasons. Begin to suggest the type of weather in each season. <p><u>Skill Outcome:</u></p> <ul style="list-style-type: none"> Observe some changes across some of the seasons. Observe weather associated with the seasons four seasons. Comment on some basic changes in some of the seasons. 	<p>Literacy: Speaking and listening Writing Reading</p> <p>Numeracy: Time Number</p> <p>SMSC: Use imagination Be creative Enjoy learning about the world around them</p>

Spring 2	1 - 6	Plants	<p>Knowledge Outcome:</p> <ul style="list-style-type: none"> Identify and name a variety of common garden plants. Begin to describe the basic structure of a variety of common flowering plants. Name some parts of a plant. Name some parts of a tree. <p>Skill Outcome:</p> <ul style="list-style-type: none"> Begin to identify the basic structure of some common flowering plants. 	<p>Literacy: Speaking and listening Writing Reading</p> <p>Numeracy: Time Recognising numbers Counting Measurement</p> <p>SMSC: Enjoy learning about the world around them Co-operate with others</p>
Summer 1	1 - 5	Animals including humans – Animal focus	<p>Knowledge Outcome:</p> <ul style="list-style-type: none"> Identify a variety of common animals. Name a variety of common animals Begin to describe the structure of a variety of common animals (including pets). Begin to name some animals by what they eat (carnivore, herbivore and omnivore). <p>Skill Outcome:</p> <ul style="list-style-type: none"> Begin to compare the structure of a variety of common animals. Begin to classify some animals by what they eat (carnivore, herbivore and omnivore). 	<p>Literacy: Speaking and listening Writing Reading</p> <p>Numeracy: Counting Measurement</p> <p>SMSC: Enjoy learning about the world around them Cooperate with others</p>
Summer 2	1 - 6	Awe and Wonder Science Activities	<p>Skill Outcomes:</p> <ul style="list-style-type: none"> Begin to use their observations and ideas to begin to suggest answers to questions. Start asking simple questions. Observing closely Using simple equipment with support. Performing simple tests with support. Identify and classify simple things. Beginning to gather and record simple data. Begin to suggest what has been found out (simply). 	<p>Literacy: Speaking and listening Writing Reading</p> <p>Numeracy: Number Measurement</p> <p>SMSC: Enjoy learning about the world around them Co-operate with others</p>
Whole Year		Working Scientifically	<p>Pupils will be taught to use the following practical scientific methods, processes and skills through the teaching of the curriculum content:</p> <ul style="list-style-type: none"> 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. 	

Core Vocabulary:

Animal, human, body, senses, living, non-living, material, wood, plastic, glass, metal, water, rock, season, spring, summer, autumn, winter, change, plant, tree, flower, carnivore, herbivore and omnivore, observe, measure, sort, test, grow.

Intended impact:

The scientific experiences and knowledge provided through this curriculum plan will enable pupils to deepen their scientific curiosity and reasoning, which will enable them to strengthen their knowledge of the Year 1 Science National Curriculum during their next year of learning.

