



# **Science**

## **2021/22**



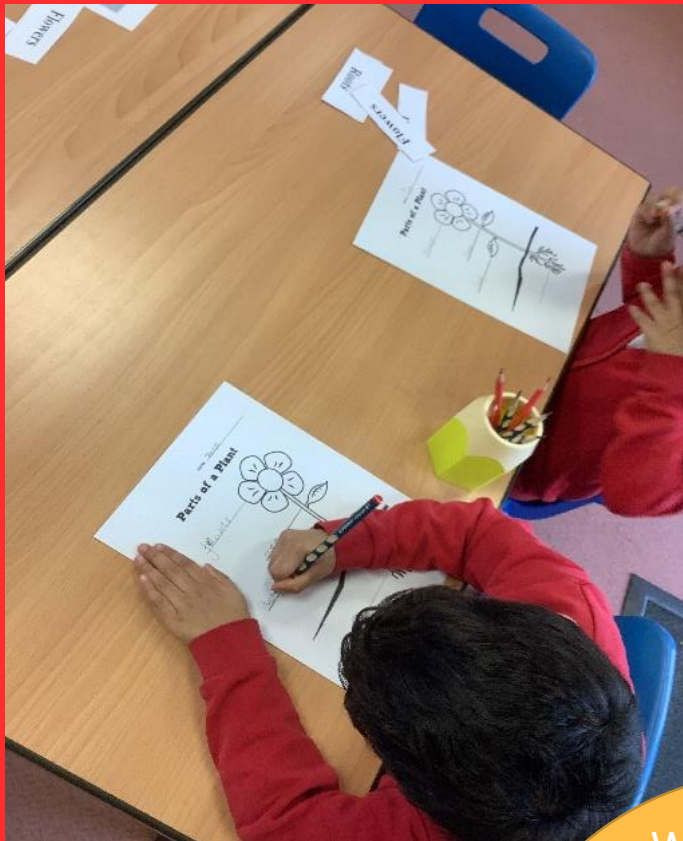
## Year 1 Key Skills

Plants	Living Things and their habitats	Everyday materials	Seasonal change	Working Scientifically
Identify and describe the basic structure of a variety of common flowering plants, including trees.	<p>Identify and name a variety of common animals including, fish, amphibians, mammals, reptiles and birds.</p> <p>Identify and name some common animals that are carnivores, herbivores and omnivores.</p> <p>Identify name, draw and label the basic parts of the human body and say which body part is associated with each sense.</p>	<p>Identify and name a variety of everyday materials including wood, plastic, glass, metal, water and rock.</p> <p>Describe the simple physical properties of a variety of everyday materials.</p>	<p>Observe changes across the four seasons.</p> <p>Describe the weather in Autumn, Winter, Spring and Summer.</p>	<p>Ask simple questions and recognise that they <u>can be answered</u> in different ways.</p> <p>Identifying and classifying.</p> <p>Collect simple data and talk about the results.</p>
<b>Key Vocab:</b> Growing Stem Leaf Roots Shoot	<b>Key Vocab:</b> Carnivore, herbivore, omnivore. Alive Living Not living Sense Basic body parts. Healthy	<b>Key vocab:</b> Materials – wood, plastic, metal, fabric, paper Properties – hard, soft, bendy, absorbent.	<b>Key Vocab</b> Seasons Months Spring Autumn Winter Summer	<b>Key Vocab:</b> Observe Sort Record Identify Group Compare

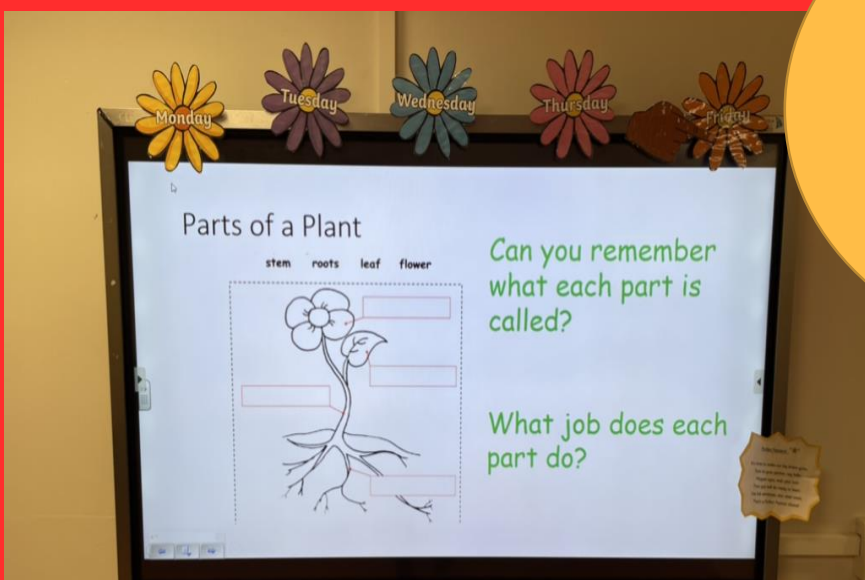
**January 2022**

We have been investigating the different parts of a plant, and learning what special job each part does. We looked at real plants and identified the root, stem, leaf and flower/ petal.

We then used what we had learned to write labels.



We have been recalling and practicing what we have learned in morning learning jobs, when we arrive at school.



Working scientifically:  
Collect simple data  
and talk about the  
result.

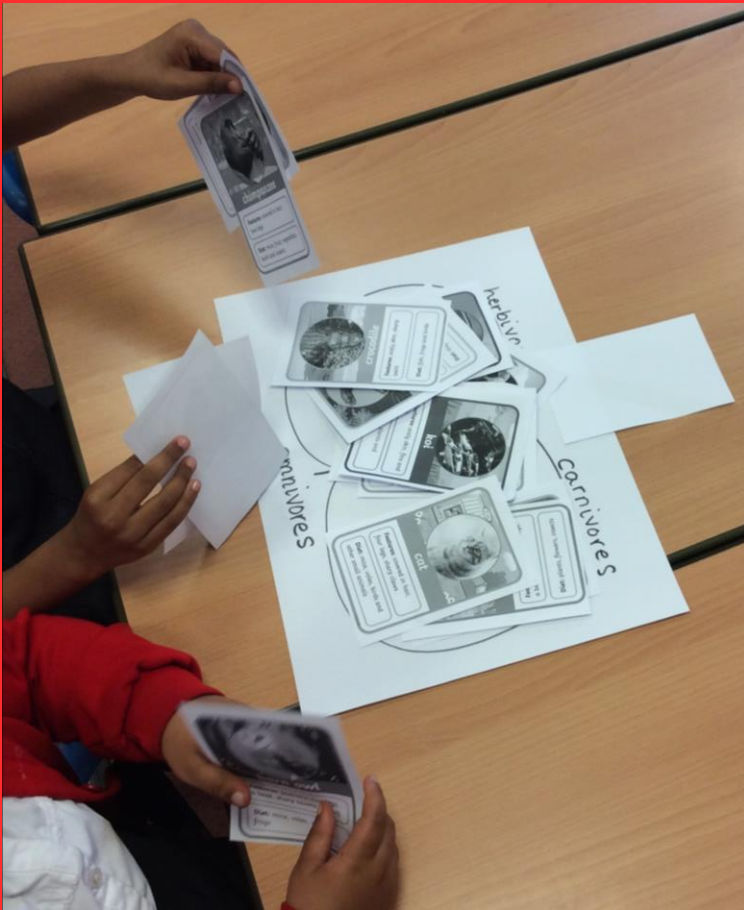
The children made predictions about what would happen when they added vinegar to bicarbonate of soda. They talked about how it 'grew', 'bubbled' and 'fizzed'.





**May 2022:**

Identifying and classifying animals into carnivores, herbivores, omnivores



**June 2022:** We have learnt to identify and label the different human body parts

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The Human Body

To name, identify and label the parts of the human body.

Look at the labels of the body parts. Can you add these body parts to the outline below?

head

ear

arm

leg

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planit

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Science | Animals Including Humans | The Human Body | Lesson 4

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The Human Body

To name, identify and label the parts of the human body.

Look at the labels of the body parts. Can you add these body parts to the outline below?

head

ear

shoulder

arm

hand

leg

knee

foot

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## Year 2 Key Skills

Plants	Living Things and their habitats	Everyday materials	Seasonal change	Working Scientifically
Identify and name a variety of plants and animals in their habitats, including <u>micro habitats</u> .	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.  Identify that most living things live in habitats to which they are suited and describe how different habitats provide for basic needs of different kinds of animals and plants, and know that they depend on each other.	Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses.		Ask simple questions and recognise that they <u>can be answered in different ways</u> , including use of scientific language from the national curriculum.  Identify, group and classify.  Perform simple comparative tests.  Uses his/hers observations and ideas to suggest answers to questions noticing similarities, differences and patterns.
<b>Key Vocab:</b> Habitat Reproduce	<b>Key Vocab:</b> Shelter Healthy/ Unhealthy Food chain Life cycle	<b>Key vocab:</b> Materials – wood, plastic, metal, fabric, paper, rock, <u>cardboard</u> , brick Properties – hard, soft, bendy, absorbent, waterproof, twisting, stretching.	<b>Key Vocab</b>	<b>Key Vocab:</b> Observe Sort Record Identify Classify Compare Diagram Equipment




To Mr. Mayhew's class,  
I have taken all of your candy canes and put them in the  
freezer!  
Ha ha ha!  
You will never catch me!  
From Spike, the naughty elf.



Perfor  
comp

To Mr. Mayhew's class,  
I have taken all of your candy canes and put them in the  
freezer!  
Ha ha ha!  
You will never catch me!  
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We are Scientists: Ice escape.

I think the best way to get the candy came out of the ice will be to

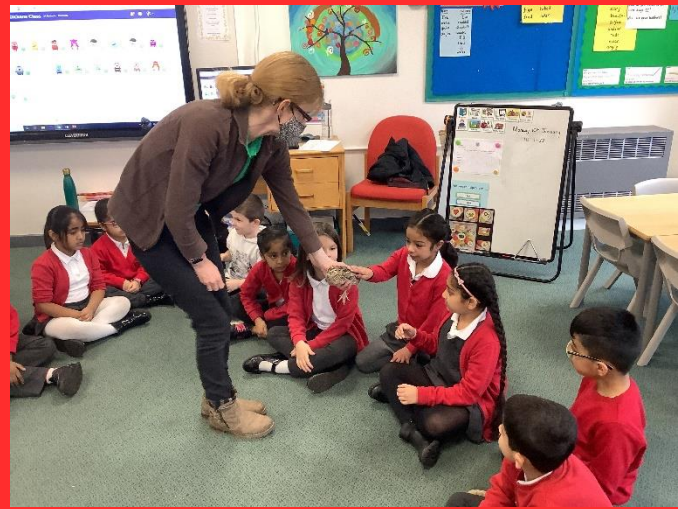
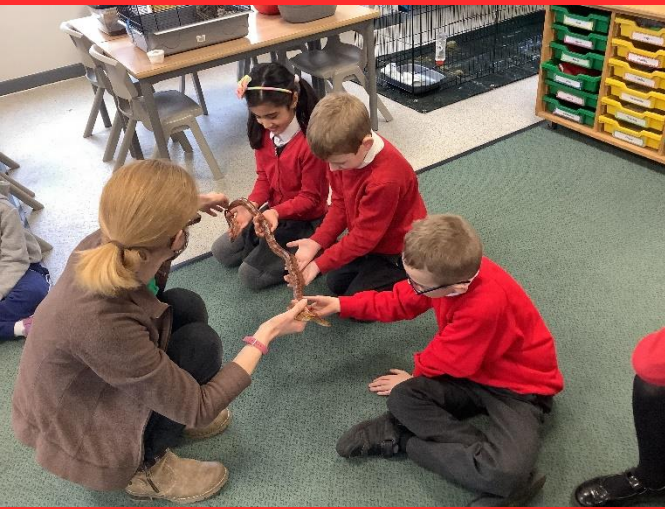
Method	Prediction – which will be quickest? Order from 1 - 5	Results – which was actually quickest? Order from 1 - 5

I learnt that



Kristan from Lion Learners brought in some of her animals to show us. She taught us about the basic needs of animals. They need air, water and food.

She also taught us the difference between things being alive, dead or never alive.



**Living Things and their habitats**  
Describe the basic needs of animals, including humans, for survival (water, food and air)