## Year 1:

In year 1 science, the children learn about animals and humans, everyday materials, plants and seasons.

In connection with their 'Animals and Humans' topic, year 1 had a 'Senses' workshop.





The children also visited Shepreth Wildlife Park as part of this topic.





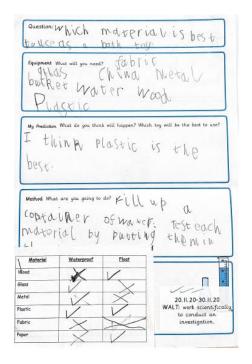


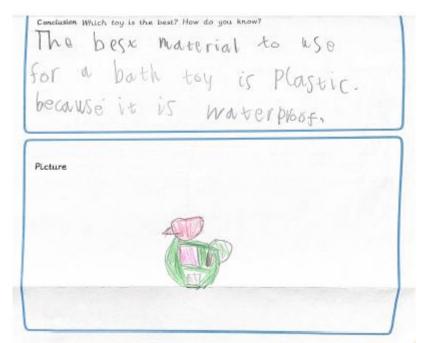
The children have been learning about everyday materials. They were visited by a toy workshop when they were able to work with many different materials to make their own toys.





Here is an example of some work in year 1. The children have been investigating which material is most appropriate for a bath toy.

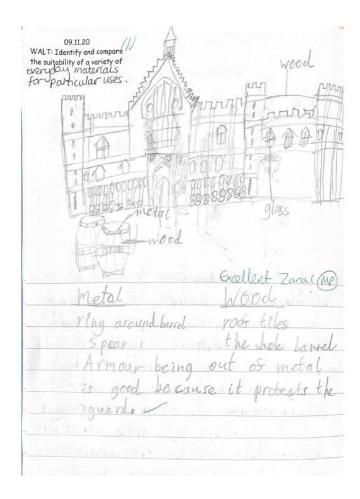




# Year 2:

In year 2 science, the children build on their knowledge of every day materials from year 1, exploring their uses. The children look at how animals and living things such as plants, grow and survive as well as their habitats.

Here is an example of work where the children explored which materials would be best used to build a castle:



The children went on a bug hunt around the school grounds.







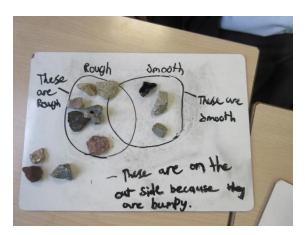
The children visited Rye Meads as part of their 'Habitats' topic.

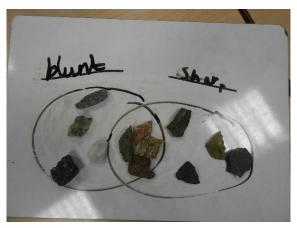


## Year 3:

In year 3 science, the children continue to build on their knowledge of animals, including humans and plants. The children are introduced to forces and magnets, light and shadows and rocks, fossils and soil.

Here are some examples of science in year 3.

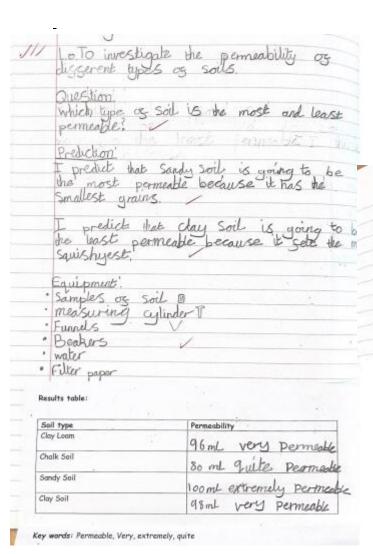




The children decided how to group the rocks based on their properties, using their scientific vocabulary.



A 'Rocks, Fossils and Dinosaurs' workshop visited year 3. They had the opportunity to observe some real-life fossils. The children also learnt about Mary Anning and her contribution to science, exploring her discovery of fossils.



Conclusion
The soil that was the most permanble was sandy soil.
The Soil that was the least permanble was the chalk.

Here is an example of some work from year 3:

The children investigated which soil type is most permeable.

The children visited The Stem Discovery Centre as part of their 'Magnets and Forces' topic.







## Year 4:

In year 4, the children are introduced to sound, electricity and solids, liquids and gases. The children build on their knowledge of animals, living things and their habitats. Here are some examples of science in year 4:





The children are grouping the animals according to their habitats.





The children visited Whipsnade Zoo. They were able to see a variety of different animals and hear from different experts that work closely with these animals.

The children investigated solids, liquids and gases.





.O: To explore how wester changes state Questions: Can water change from a liquid Equipment | Water: kettle: Plastic lid: nethod: I. Fill the pettle with water. ). Boil the kettle and observe. 3. Place a Plastic lid above the bettle and observe. Prediction I predict that when we boil the kittle the water will turn predict when we put the lid above the bottle the water will two wits a liquid. Observe: When the bottle boiled See steam coming out of the spout. The Steam slooted into the air. When I put lid above the steam, it nade Conclusion: In conclusion my prediction was correct because the water turned to gas when it boiled and then it met a solid nass, it changed to liquid. So yes, water can change

Here is an example of some work from year 4. The children have been learning about how water can change state:

it's state from liquid to gas and gas to liquid.

# **Year 5:**

In year 5 the children build on their prior knowledge of living things, habitats, forces and properties of materials. The children are introduced to earth and space. Here are some examples of science in year 5:

Que LO To plan investigation	and carry out an
Questian:	hillion of steel and the second
Does the temperature how a skittle dis	ine of the vater agged solved?
Equipment	T musball
- shittles (all mo	e calaur)
- petri dishes - diccerent temperat - timor	mes of nater
Prediction:	
I predict that the water will dissalve we sound sugar in had previous experime	ne skittle in the hottest we quickest because to dissolve in quickest to water during a
Method:	int sources/ ma
We will put a se petri dishes and p into one He will and straight acte hot water into H set a discerent tin sor the coldins to m is when we will st	ries of skittles in two cour the cold hater then set the timer nards we will pour the ne other petri dish and ner he will then wait

Resulta	Time In	THE DESIGNATION OF SECUL
Water temp	Time to	
Cold (12)	2m 8	
Hot (72)	35 secs	
Analysis'		
U		
U	Mater disap	y aggetted the speed
U	water greats the Skittle	y accepted the speed
The hot at which		y accepted the speed
The hot at which Conclusion	<i>i</i> .	V
The hot at which Conclusion	<i>i</i> .	in accepted the speed in conting dissolved.
The hot at which Conclusion	<i>i</i> .	V
The hot at which Conclusion	<i>i</i> .	y accepted the speed as conting dissolved:  us experiment on and ased the speed at dissolved:
Conclusion	<i>i</i> .	V

The children in year 5 investigated how the temperature of the water affects how a Skittle (sweet) dissolves.

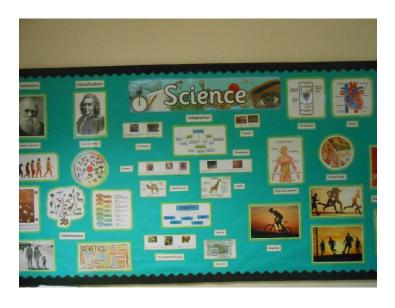
Year 5 had a Science Fair to display their brilliant science projects to the rest of the school.



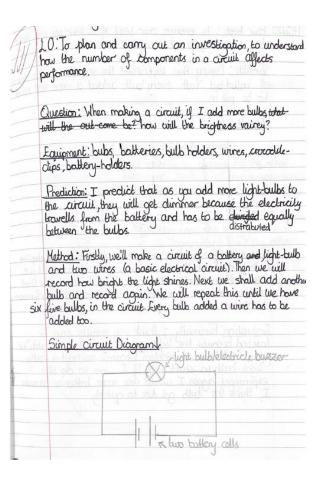


### Year 6:

In year 6, the children build and consolidate their knowledge of living things, habitats, light and electricity. The children are introduced to the concept of evolution and inheritance. Here are some examples of science in year 6.



In year 6, the children investigated how the number of bulbs in a circuit affects the brightness of the bulbs. Here is an example of their investigation:



		nis experiment the vo every bulb added	
	number of t	collos Brightness of bulb	
	1	very bright	Alla Carta
	9	very dim	
	3	very dim extremely dim	teritribus 9
5 11	4	m light	itterie salt
	5	no light no light no light	at alleaned I
dudioli	6	no light	I nostralad
immer.	ed the bulk Mu predict	ults have shown that is in our basic circum was correct. We feeling increases increase	have shown that