

February  
2025



Letchmore Infants' & Nursery School

# Science Snapshot



## THE GLOBAL GOALS



# Science in our school



Year 1 have been looking at how animals can adapt to the habitat in which they live. We have found out how penguins can stay warm even when they are in the water. Their feathers produce a special oil like wax, which is waterproof. The children enjoyed testing this by colouring in part of a penguin using a wax crayon and then dropping water onto the wax to see if the paper beneath stayed waterproof.

We have also investigated the impact of blubber in keeping animals warm in cold habitats. We compared this by putting one hand in icy water, and then again with a layer of oil (blubber) around our hand to see if it made a difference to the temperature we felt!

## Did you know?...

Did you know that a polar bear's fur isn't white? It is actually transparent with a hollow core that reflects light. This helps the bears blend in with their surroundings - a useful trick, especially when hunting wary seals!

# Science in our school

Names: Zanya Zara Flynn Muaz Ronnie Date: 24

**Science Enquiry**  
Investigation into which material would make the best raincoat.

Today's skills are:	Key Vocabulary:	Materials:
Planning ✓ Predicting ✓ Measuring ✓ Recording ✓	waterproof materials Absorbent water	different types of materials

Our Plan: We were going to test our material to see which will be good for a raincoat.

Our Prediction: Waterproof table cloth Fabric | not waterproof hessian cupcake case shiny material

**Fair Test**  
What are we going to keep the same?  
Same amount water drops. 10 drops

What we found out: We found out that the table cloth was the strongest water proof material that we had.

Names: Jack Scarlett Allieia Dusia Summer Date: 24

**Science Enquiry**  
Investigation into which material would make the best raincoat.

Today's skills are:	Key Vocabulary:	Materials:
Planning ✓ Predicting ✓ Measuring ✓ Recording ✓	waterproof materials Absorbent water	different types of materials

Our Plan: our plan is we are going to feel the back as well. We are rubbing our fingers in it.

Our Prediction: Waterproof the tablecloth shiny fabric | not waterproof hessian cupcake case fabric

**Fair Test**  
What are we going to keep the same?  
Same amount water drops. 20

What we found out: That the fabric is actually water proof. We found out that the table cloth was waterproof.

Year 2 have also been looking at things that are waterproof. They have been trying to find the best materials to use to make a waterproof raincoat!

Names: Zander Noah + Noah Date: 23/22

**Science Enquiry**  
Investigation into which material would make the best raincoat.

Today's skills are:	Key Vocabulary:	Materials:
Planning ✓ Predicting ✓ Measuring ✓ Recording ✓	waterproof materials Absorbent water	different types of materials

Our Plan: We are going to test each material to see if they are water proof by putting on 10 drop of water

Our Prediction: waterproof shiny material fabric | not waterproof hessian cupcake case

**Fair Test**  
What are we going to keep the same?  
Same amount water drops.

What we found out: shiny material was water proof and the

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# Know-It-Owl!

Did you know the UK has five species of owl:  
barn owl, tawny owl, little owl, long-eared owl and  
short-eared owl.

Owls can rotate their necks up to 270 degrees.

A group of owls is called a parliament.

Not all owls hunt at night, some even prefer to hunt  
at dusk, or even during the day!



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# Scientist of the Month



Our Scientist of the month is Mary Anning!

Mary Anning was a famous fossil hunter and discovered a fossil of an Ichthyosaurus on the Dorset coast.

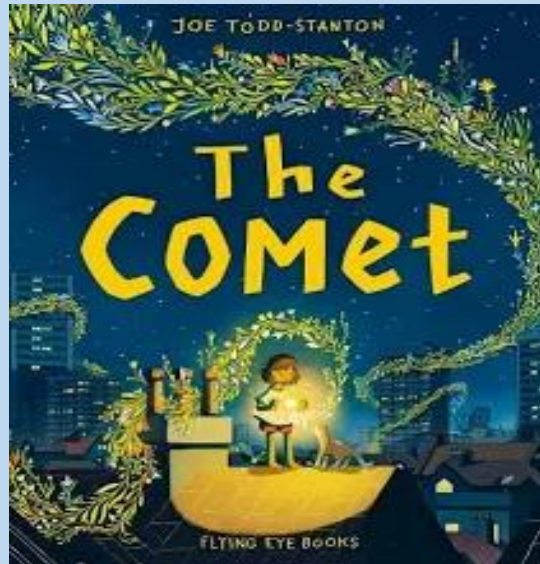
Follow this link for more information:

<https://www.natgeokids.com/uk/discover/history/general-history/mary-anning-facts/>



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# Science Through Stories



*The Comet*

[https://www.youtube.com/watch?v=LNmPLQnhZ\\_o](https://www.youtube.com/watch?v=LNmPLQnhZ_o)

## *Super Science*

Comets are large objects made of dust and ice that orbit the Sun. These ancient objects are leftovers from the formation of the solar system 4.6 billion years ago.

*\*For a Global Goals competition - see page 9\**

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# Enquiry question



February's enquiry question is ...

- **What do you need to be able to look after a pet lizard? Why do you think this is?**

*How could we find this out?*



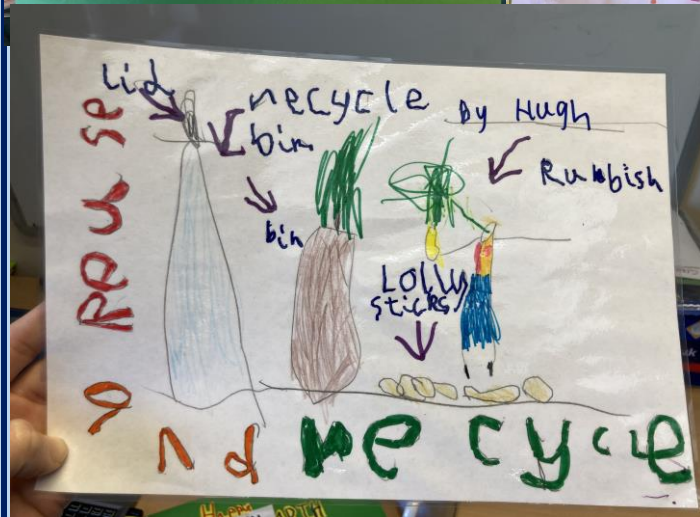
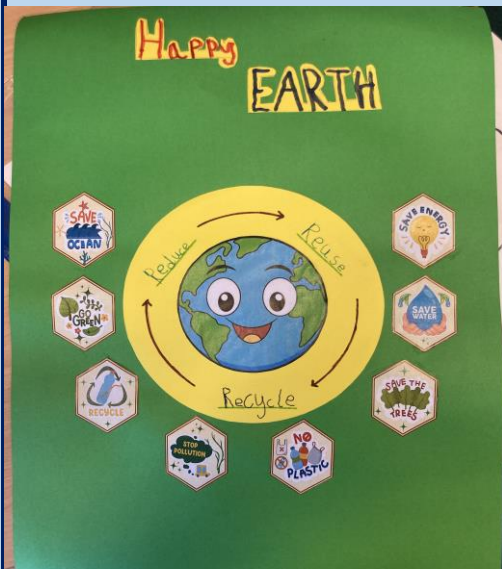
*You could discuss this enquiry with your grownup at home and with your teacher.*

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# Competition Time



We had so many entries last month! Apologies if your entry is not here, but I couldn't fit them all on the page! You will all get a special sticker though!



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# Competition Time

*\*please hand all entries to Mr Green by  
March 21st (please include your name and class).\**

You could:

follow this step-by-step guide to drawing your own comet

<https://www.youtube.com/watch?v=ussyhzhfXvNo>

or

learn how to make a 'comet catcher'

<https://www.youtube.com/watch?v=RQYhdWFh0ts>

or

make a 'comet on a stick'

<https://spaceplace.nasa.gov/comet-stick/en/>

*\*Please hand it to Mr Green (or your class teacher) by  
21st March!\**