

This year we had some superb entries to our whole school science challenge. Here are some of our winners and the entries that they submitted:



Year 1
Investigating changes in state

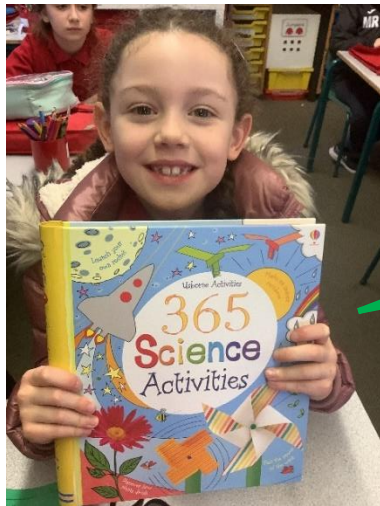


Alana Stones
Class 3 Mrs Mann Y 1/2 - Jan 25

A snow experiment ❄️💧
Whilst we were outside we decided to do an experiment with snow. Alana filled a bottle with snow and I asked her how much water she thought it would melt into. Once it was melted we filled another to compare. Alana thought there would be more water when it had melted saying "there is only a bit of water out of all that snow?!" She is now pouring the water into the second to make it melt, happy that it has made a hole through the middle ❄️

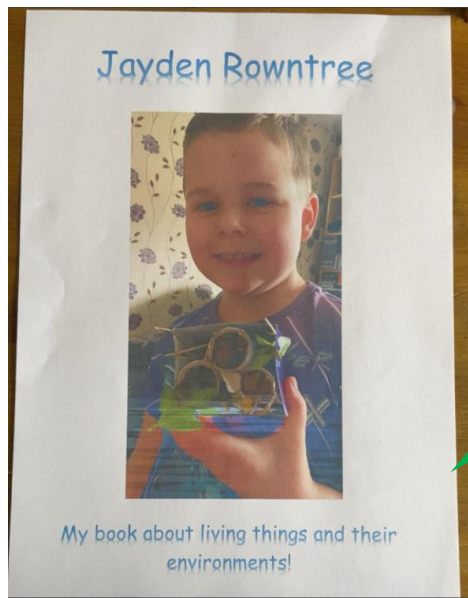
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Year 2
Investigating materials





Year 3

Living things and their habitats information booklet

Worms!!

Earthworms loosen and mix up the soil, break down and recycle decaying plants and food and fertilise the soil by bringing nutrients closer to the surface.

A Wormery →

Did you know?

- Earthworms breathe through their skin, so they must come to the surface when it rains or risks drowning.
- Earthworms breathe through their skin, so they have to come to the surface when it rains or risks drowning.
- A worm can eat its own weight in soil in one day. They add oxygen to the soil and allow carbon dioxide to escape.
- If you accidentally cut a worm in two, the head end will survive.
- Worms do not have eyes and prefer the dark. They can sense when its light and dark.

I don't like worms so I didn't want to make a real wormery so we made a pudding wormery using brownie, flapjack and jelly worms.

I made so for my family!

Why don't penguins freeze?

Penguins live in cold countries but why don't they get cold and freeze?

They manage to stay warm due to their feathers and the layer of fat under their skin. It is the layer of fat which keeps them warm when they are going in the freezing oceans. When penguins are standing in the snow they rock backwards and forwards, so they are not standing still. This stops their feet from being on the snow all the time and keeps them warmer.

Did you know?

- why penguins can't go into the sea until they have got a adult waterproof beak.
- penguins can't fly but they are good swimmers.
- Many are built with special skin to help them catch fish in the sea.

EXPERIMENT TIME!!!

I did an experiment by putting my hand into ice, I could only leave it there for 13 seconds because it was so cold.

I then covered my hand in lard, so it was like a penguin's body, to see if it kept my hand warmer in the ice water. I could keep my hand in the water for ages because the lard protected my hand from the cold!!

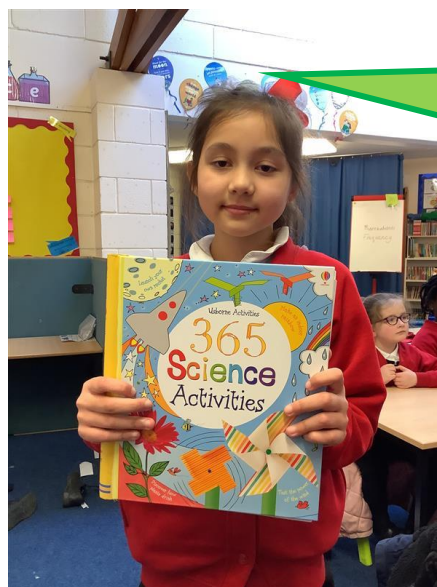
Making Bird Food!

After I found out it was hard to do things with a beak. I decided to make some food for the birds to make it easy for them to have food.

My mum melted the lard over a pan and when it was melted we tipped in the bird seed and mixed it. We then cut off the tops of bottles and put some string in into the bottles, so the lard goes hard again. We then put them in our garden for the birds to enjoy!

our fat balls did not work well because the string fell out so we made them into a ball with my hand and put it on the wall in my garden.

I hope the birds like it!!!



Year 3

Habitat for a hedgehog

