



# Hanging Heaton CE (VC) J&I School

*Science Day 13th May 2021*

Let all that you do be done in LOVE - 1 Corinthians 16:14

We aim to develop our children socially, morally, culturally and spiritually to help them to be more valued and responsible citizens.

On 13th May 2021, the whole school had the opportunity to complete different science experiments and we had opportunities to enquire and find things out for ourselves. In the morning, we started by using books to create different scientific enquiries and learnt about different things such as materials, light and forces.

In the afternoon, all children investigated bubbles, although in different ways. All the children designed their own experiment, made predictions, carried out an investigation and recorded their results. We all had a fabulous day as you can see from our reports from each class. I am sure that your children will be able to tell you all about it.

## Class 1

In class one, we looked at The Three Little Pigs. We talked about the best material to build a house. We tried different foods first and then moved onto other materials. We decided that bricks would be the best and that spaghetti would be the worst! In the afternoon we looked at which washing up liquid made the best bubbles. Our results showed that Fairy was the best and co-op's own was the worst!



## Class 2

In Class 2, we had a fantastic day learning all about different materials and we carried out an investigation involving bubbles. We listened to the story of The Three Little Pigs and then built our own houses out of different materials. Our houses had to be strong and waterproof. We also investigated what effect the strength of a blow has on bubbles. We had lots of fun as well as acquiring lots of new scientific knowledge.



### Class 3

In Class 3 we started the day by learning about light. We discussed how light travels and learnt that it is the quickest thing in the universe! We then investigated whether the length of shadows was affected by the distance an object was from a light source. To investigate this we learnt more about fair tests and used our measuring skills to record our results. We then presented these results in bar charts.

In the afternoon, we created our own investigation to determine whether bubbles lasted longer at cold or warm temperatures. We then enjoyed playing with some of the bubbles before P.E!



### Class 4

In Class 4 we started our day by investigating magnets. We learnt about attraction and repelling, strengths of magnets and the different poles. We followed this by looking at friction and air resistance. To investigate friction we looked at the effect of different surfaces when considering speed and we looked at parachutes for air resistance. In the afternoon, we created our own investigation into what makes the perfect bubble. We planned, carried out and recorded our findings in groups.



### Class 5

During the morning, we revisited the properties of the three states of matter. After we discussed what effect heating and cooling had on solids, liquids and gases, and looked at examples of reversible and irreversible reactions. Later, we looked at the differences between thermal insulators and thermal conductors this led us to our task where we had to design a lunch box that would keep food cool. We used different materials to see which were the best thermal insulators.

In the afternoon, we planned an investigation to make long-lasting bubbles. We used different amounts of water and glycerine to make a bubble solution then timed how long it took for the bubbles to pop. We found out that when you added more glycerine, it made soap layer thicker so the bubbles lasted longer.

We presented our work in tables and on a line graph.

