

27th October 2023

## The Super Scientist Edition

We are Hartburn Science Ambassadors: Sophie, Emily, Hayley, Joshua, Alex, Isaac, Emily and Olivia. As part of our role, we are going to write, edit and publish Hartburn's first ever science-based newspaper which will be available for you to read at the end of each half term. We have been extremely busy visiting classrooms around school to discover what our fellow pupils have been learning about in their current science topic. Please enjoy reading all about it.



### Science Club

Science club got off to a colourful start. We run a science club in school for younger children on a Tuesday lunch time. Year 3 children had great fun predicting and observing what happened when they used pipettes to drop 'rainbow rain' into oil. Their next experiment proved to be just as colourful when water was added to a certain brand of sweets. Take a look at the beautiful patterns that the children created.



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## EYFS

As there are an abundance of new learners in Nursery, they have only just began to discover the different areas and what they can accomplish at Hartburn Primary school. Children in Nursery and Reception have been exploring the world around them by looking at seasonal changes. In Nursery, the children have investigated different Autumn fruits and how leaves change from green to orange, red and brown. In Reception, children were busy taking a close look at how sunflowers had changed over time.



## Year 5 and 6

In Year 5 and 6, we have been learning about Forces and Mechanisms. We have investigated gravity, friction, air resistance and water resistance. Look at us investigating friction. We used Newton meters to measure the gravitational pull on objects that were being pulled across different surfaces.



We also used IPADs to research scientists who have contributed to our understanding of gravity such as, Isaac Newton, Albert Einstein and Galileo. Find out more below.

## Year 1 and 2

When we visited Years 1 and 2, they were investigating materials. They sorted the different materials into different categories: plastic, wood, man-made, natural and



metal. They also discussed how these materials are used in everyday life.

The children were enthusiastic to learn about different materials.

## Significant Scientists

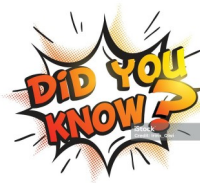
Galileo Galilei was born on February 15th, 1564 in Pisa, Italy. His life was spent making extraordinary scientific discoveries. According to legend, he dropped different weights from the Leaning Tower of Pisa, showing that gravity causes objects of different masses to fall with the same acceleration. He helped develop our wide understanding of gravity today.

## Careers in STEM – Chemical Engineering

Chemical engineers use their knowledge to design equipment and processes for manufacturing products such as petrol, detergents, and paper. Imogen Stubbs, who was a pupil of Hartburn school, has recently graduated as a chemical engineer and now works at a local engineering firm. She studied maths, chemistry and physics for A level then went to Newcastle University to study engineering.

## Year 3 and 4

We visited classes in Year 3 and 4 where they have been learning about the animal and human skeletal system. In one lesson they were learning about animal diets and behaviours. As science ambassadors we asked them many questions. Hadjer stated, "Some animals are omnivores so they eat a lot of different foods like leaves and meat." In Miss Wildridge's class the children drew around their bodies then tried to identify where specific bones are.



Did you know that objects that are the same shape fall to Earth at the same speed? Try this at home: get two identical plastic bottles, one empty; one half full. Drop them both from the same height and see what happens. Remember to screw those lids on tightly! In space, a hammer and a feather and a feather were dropped and they both reached the floor at the same time.