

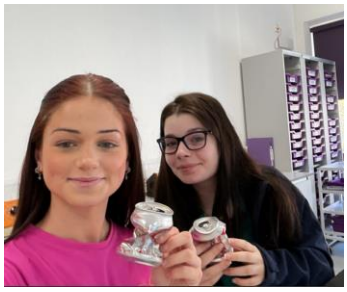
Farnborough partnership
Science news



Science Selfies

























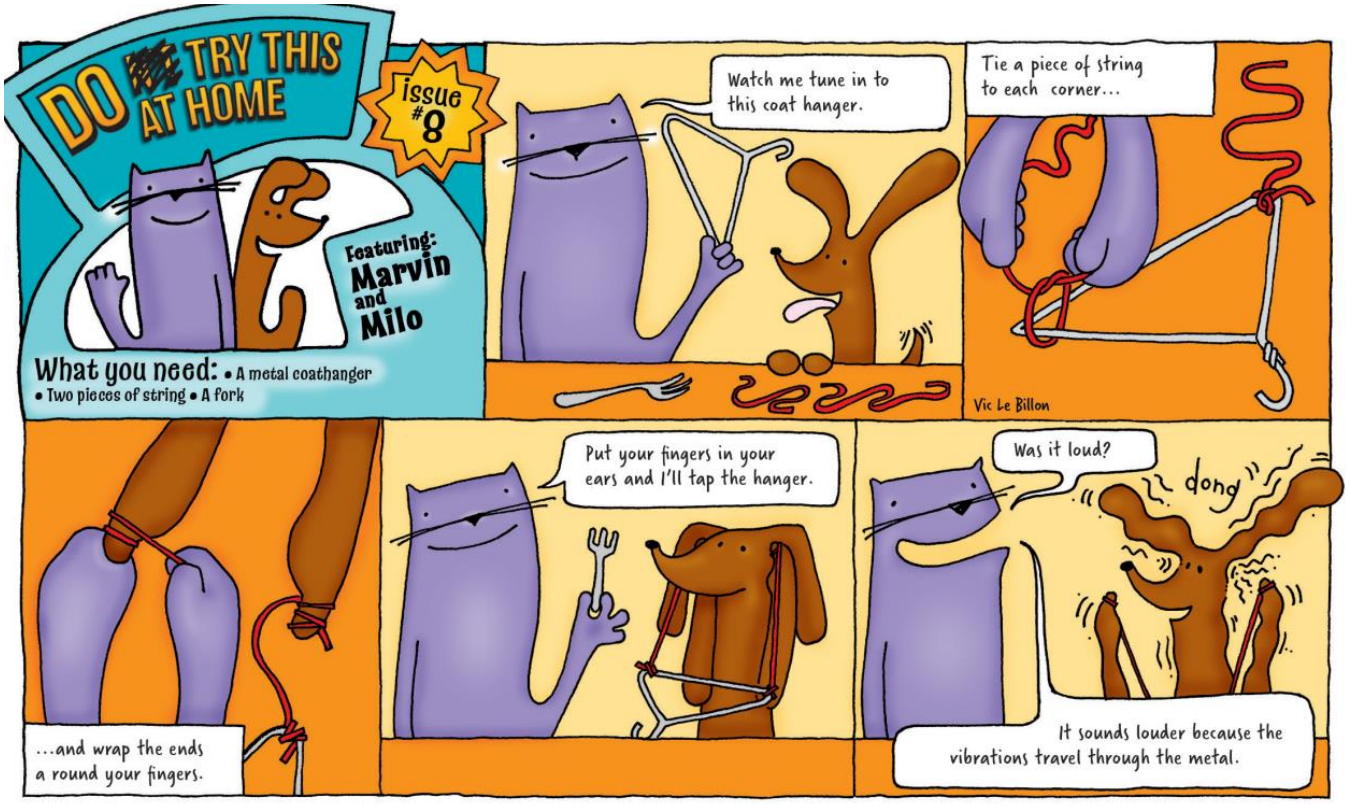








South Farnborough Infant School



DO TRY THESE AT HOME

https://spark.iop.org/marvin-and-milo
https://www.science-sparks.com/category/science-experiments-for-kids/physics-for-kids/



Bobsleigh Marble Run Challenge - Winter Olympics STEM



Build a Luge STEM Challenge



Invisible Beaker STEM Challenge

Oscar's the Ogden Bear's adventures

Today we did a waterproof test to see what is water proof and what is not waterproof we found out that paper, a cloth are not waterproof we also found out that plastic bags and Aluminium foil are waterproof but Aluminium foil will break. we found paper, cloth are not waterproof and Aluminium foil. So plastic bags are waterproof and its good for a raincoat

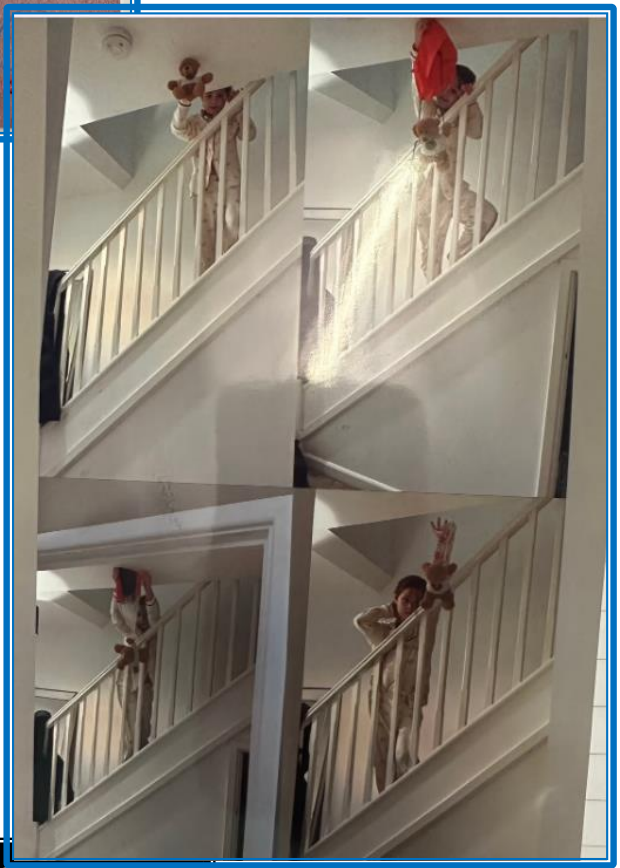




By Alwin and Coco
Year 3

Parachute experiment
Oscar and me and my cat belle!
We made 4 parachutes and we timed how long it took for oscar to fall from the top of the stairs
first of all without the parachute and then with the 4 different parachutes
Here are the results:

	time (seconds)
Without	0.41
Para 1	0.63
Para 2	0.58
Para 3	0.68
Para 4	0.76



School Partnership

News from our Phizi lab





The Ogden Trust | School Partnership





Reception have been trying some Scientific Investigations that link to books. This week they explored the story ‘Mr Archimedes' Bath’ and the question ‘can you fill Archimedes’ bath without spilling any water?’. They tried putting different objects in the baths and found that only the cotton wool balls did not spill any water. When asked why, Reception worked out it was because the cotton wool became wet and absorbed the water.

The Ogden Trust School Partnership

St Mark's C.E. Primary School

Living & Learning Together

I loved it, it was fun. I was good enough to do it and the first one to find out how to make it explode!
Jack year 4

I thought it was good because we saw lots of cool things like telephones.
Archie year 3





I liked it, especially checking if the chicken had the virus. Dani Year 3







The best stall was the telephone one to see back in time.
Joey year 3



Really liked it especially the magnifying section where we could see deep into things (chicken table).
Alice Year 3

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Science in the news By Dylan and Isaac. Year 6 SFJS

Who is flying on Artemis II?

The commander is Reid Wiseman, pilot Victor Glover, the first person of colour to enter deep space, mission specialist Christina Koch who will be the first woman to go to the moon and another mission specialist, Jeremy Hansen, will be the first person who is not American to go to the Moon as he is Canadian.

Rocket Information:

- Artemis 2 is estimated to reach 25 thousand miles per hour.
- Artemis 2 weighs around 2.6 million kg
- Artemis 2 is 322 feet tall (98 metres). That is the same height as the Statue of Liberty in New York, USA.
- When Artemis II launches, there will be the equivalent to 160,000 car engines at the same time!



Where do the astronauts live?

The astronauts will spend their mission in a capsule called Orion, which is no bigger than a small van. There are no showers onboard so the astronauts will have to use wet wipes and dry shampoo to clean themselves.

What do they hope to achieve?

Artemis II will send four astronauts on a ten day journey to test modern human capabilities in deep space and make a way for long-term exploration on the lunar and eventual Martian surface. The Artemis crew will fly by the lunar far side at an altitude of approximately 3,000 to 9,000 miles.

Splashdown

Coming home is the scariest part!

- When the Orion capsule hits Earth's atmosphere, it will be traveling so fast that the outside will heat up to 2,760°C. That is about half as hot as the surface of the Sun!
- To slow down, they use giant parachutes and "splash" into the Pacific Ocean. The Navy will be waiting there in big ships to fish them out of the water.





1. Put 1-2 tablespoons of water into the empty can.

2. Place the can on the stove and heat it.

3. Wait until you see steam coming out of the top.

4. using tongs quickly flip the upside down into the bowl of cold water.

5. whoosh the can suddenly crushes inward.

The Wavell School
1d ·

This week we celebrated British Science Week. 🧫🧬🔬
This year's theme is "Curiosity" and Year 7 and 8 students enjoyed a practical activity which was designed to show how magnetic force can be used to store information. They learnt to write their name and other science related words in a pattern of 1s and 0s - called Binary Code - using coins and counters, then use it to read hidden words with just a magnet. Then all classes were challenged to write a short science question in binary for the teacher to answer. #wavellscience #BritishScienceWeek #curiosity











American Astronautical Society
CANSAT
COMPETITION

Last week, a team of our Year 11 students proudly represented Salesian College at the CanSat Competition. Working in teams, students were challenged to design, build and launch a “satellite” the size of a drinks can, capable of collecting and transmitting real scientific data during its descent. Our students demonstrated fantastic teamwork, resilience and problem-solving throughout the project – from coding sensors and testing parachutes to refining their designs under real time pressure. Launch day itself was sadly affected by the weather but the satellites will soon be launched on a less windy day! Beyond the technical skills developed, the competition offered a valuable insight into careers in space science and engineering, inspiring our students to think ambitiously about their futures. We are very proud of their enthusiasm, dedication and professionalism throughout – a brilliant example of Physics in action!

The Ogden Trust | School Partnership

South Farnborough Infant School

Lightning Lily from Sublime Science visited South Farnborough Infant School as part of our British Science Week celebrations. She was brillian! We showed us lots of amazing things and explained the science behind them.









We learned about sound from the thunder drum. Lightning Lily told us that sound is made when things wiggle in the air. Some of the sounds she made were very loud!

We all loved it when she talked to us about air pressure and blasted the beach ball with a leaf blower. It stayed up in the air, spinning!

The Ogden Trust School Partnership



As part of our science topic on electricity we had a visit by one of our parents explaining he works on EV car batteries.



Primary Science Capital







We brought in things from home that were powered by batteries. We discovered they generated heat, light, sound or motion

The Ogden Trust School Partnership

Upcoming events

Inventors and makers workshop for Year 4's hosted by St Peter's Junior.

KS1 stargazing invited year 2's from St Bernadettes and South Farnborough Infants.

The Ogden Trust School Partnership