

SCIENCE NEWS @ LADY B'S

Science Week 2019

Back in March, the whole school enjoyed, and benefitted from, our annual **Science Week**! A huge amount of STEM learning was carried out across the school through outdoor learning, investigations, workshops, shows and various different activities.

It was an incredibly successful week and it was fantastic to see all the pupils so immersed, engaged and inspired by science, technology, engineering and maths.



Do make sure you take a look at our 'Science Week' blog on our school website (School Life > Science > Science Week Blogs) which includes details and photos of all the wonderful activities that each year group carried out during the week!



STEM Club

Year 2 science club is now well underway! They have been extremely busy completing lots of investigations and activities. They have conducted surveys, searched for wildlife in the school pond, prepped and planted the gardening beds and enjoyed forest school! We've still got lots of exciting activities in store—make sure you check out the Science Club blog on the school website to see what we get up to!

Science at home!

SUMMER IS COMING...

Summer brings sun (hopefully), strawberries, flowers, water slides, sunbathing and ice lollies! Here's a fun way to use and recycle your ice lolly sticks for a catapulting science investigation!

Equipment:

- Ice lolly sticks
- Elastic bands
- Plastic teaspoon
- Range of small summer fruits (e.g. grapes, blueberries, raspberries, raisins, gooseberries etc..)
- Tape measure

ALWAYS ask an adult to help you!



Method:

1) Use the ice lolly sticks, elastic bands and plastic teaspoon to construct a catapult (see photo above or clear instructions can be found on the following webpage > <https://www.muminthepadhouse.com/make-lolly-popsicle-stick-catapult/>)

2) Place a piece of fruit on the spoon and test your catapult—does the fruit fly? How far?

Time to investigate!

Which fruit is catapulted the furthest? Why?

What happens if you increase the number of lolly sticks and make the angle of the catapult steeper?

Try changing the number of elastic bands. Does it make a difference?

Does the size of the lollypop sticks make a difference?

PTA—Magnifying Posts

We'd like to say a HUGE thank you to the PTA who have kindly sourced and funded three magnifying posts for our school grounds. The children will be able to use these to closely observe objects of their choice, within outdoor lessons and their free play time! This is a brilliant opportunity for the pupils to explore the make-up of a number of natural or man-made objects and appreciate their structure.



They will be arriving very soon — keep your eyes peeled!

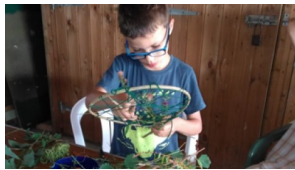
What's on?

Wildlife Holiday Fun!

24th July 2019 2-4pm

Meeting Point: *Bough Beech Oast Centre*

Get Dipping in our beautiful wildlife pond, then fun and craft activities, guided by friendly staff and volunteers. Pond dipping in our wildlife pond, examining our catches in trays, looking for newts, dragonflies and other pond life. All equipment provided. Refreshment break then choice of crafts and games.



Booking essential –

01732 355080 – lynne.flower@tiscali.co.uk

Donations welcome to cover the cost of this event, which costs about £4 per child to run.

<https://www.kentwildlifetrust.org.uk/events/2019-07-24-wildlife-holiday-fun>

Summer Nature Explorers (age 2-8 years)

2nd, 9th & 16th August 2019–10am-12pm

Sevenoaks Wildlife Reserve, Jeffery Harrison Visitor Centre

£24 per course (discounts available for multiple tickets)

Join us for wild play time at Summer Nature Explorers. Discover ways to have fun outdoors as a family.

Our Nature Explorer sessions will be jam-packed with Forest School based activities. A wonderful opportunity for families to have fun together, whilst exploring our beautiful woodland reserve and getting stuck into a variety of bush craft and arty activities.

Children are encouraged to lead their own learning, doing as much for themselves as possible with help from accompanying adults, great for problem-solving, communication, creativity and physical development. Growing up with fun experiences in wild spaces can help inspire a love of nature that lasts a lifetime.

<https://www.kentwildlifetrust.org.uk/events/2019-08-02-summer-nature-explorers-age-2-8-years>



WONDERLAB: The Equinor

National Science Museum, London

Open daily—Day passes from £8

With over 50 mind-blowing exhibits, shows and demonstrations to enjoy, *Wonderlab* is an experience unlike any other.

Spread across seven different zones, there's loads of opportunity to get hands on with real scientific phenomena. Take part in live experiments at our Chemistry Bar, see lightning strike before your eyes, play with forces on giant slides or travel through space under a canopy of stars.

There are also a number of 20 min shows that you can book onto:

<https://www.sciencemuseum.org.uk/see-and-do/wonderlab-equinor-gallery>



Fizz Pop Science Club

During Term 5, some KS2 children were lucky enough to attend our after-school Fizz Pop Science Club!

Lots of fun was had as the children investigated and learnt about a huge range of scientific concepts. There were eggs, a plasma ball, flames and much more!



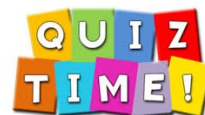
Science Ambassadors' Science Quiz

The Science Ambassadors have worked really hard to create a fantastic science quiz all about SPACE!

The quiz is still open and can be seen and completed in the school science area (KS2 corridor).

Do make sure to come and submit an answer sheet as soon as you can – there is an exciting science prize for a lucky KS1 and KS2 winner!

Closing date: Friday 12th July 2019



Science Trips!

On Friday, 17th May, Oak Class visited Walthamstow Hall School in Sevenoaks for an amazing Science Show! The children sat transfixed as several chemistry experiments were demonstrated with lots of fire and explosions. These included: observing how acids and alkalis change colour, including 'Acid Burns', learning how petrol works in an engine and an exploding hydrogen balloon. A fantastic time was had by all.



On Tuesday, 25th June, Year 6 visited Walthamstow Hall again, but as part of a transition project. The children completed science tasks in biology, physics and chemistry in the different labs including safe use of a Bunsen burner; making electrical circuits, and testing and measuring reaction times. They learnt how to use a microscope with different magnifications and used a model to label parts of the body. The children's behaviour was excellent and they thoroughly enjoyed the experience!

I'd love to hear about all the science you have been doing at home! Do bring in photos and come and find me in Silver Birch classroom to let me know what you have been up to!

Miss Johnson