



SCIENCE NEWS @ LADY B'S

Welcome back to Science News @ Lady Boswell's. We have all been extremely busy with our science learning at school and have lots of news to share with you!

Science Ambassadors


This academic year, two children in each class have been selected to be Lady Boswell's Science Ambassadors! This role involves lots of important responsibilities that will help improve opportunities for scientific learning within our school.

It was a particularly hard decision as a large number of applications were submitted this year.

Huge congratulations go to the following pupils who were selected:

Year 1: Joel and Georgia
 Year 2: Darcie and Ryan
 Year 3: Louisa and Bonnie
 Year 4: Patrick and James
 Year 5: Eva and Jasper
 Year 6: Zach and Alice





STEM Club

Next term (after Christmas), STEM club will begin during a lunchtime. The children will have a chance to complete lots of practical investigations! Have a think about whether this is something you would like to do :)

Class news - super sound!

In Year 4, the children have been learning all about sound. At the end of last term they put all of their knowledge to the test by creating and testing their own headphones!

In groups, they conducted an investigation to see which material was the best at blocking sound waves emitted from a sound source.

After a lot of testing and knowledge application, they discovered that thick foam was one of the best materials to block sound. One child was particularly impressed by how the design of an ear plug means that the ear can't act as a sound funnel.



We created and tested our own headphones.

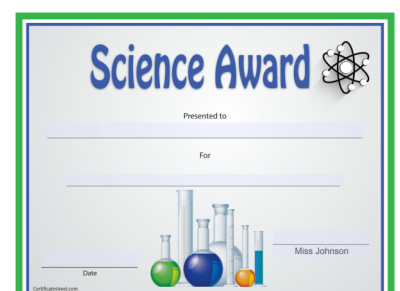
We discovered the best material to block sound was foam!

Science Awards

This year, all pupils will have the opportunity to achieve a Science Award certificate. Class teachers will be looking to award pupils who have shown outstanding effort, scientific thinking or learning within science lessons.

Pupils who achieve a Science Award will visit Miss Crawley to receive their certificate.

We love celebrating outstanding learning at Lady Boswell's! I can't wait to see who's going to visit me this term to receive an award!



What's on?



The explosive history of hydrogen!

Royal Institute of Great Britain, London.

An exciting evening where you will go on a whistle-stop tour of one of the most reactive elements that is capable of creating fireballs and deafening explosions!

(Suitable for ages 7+)

Saturday 26th November 2022. 6:00pm-7:15pm

Purchase tickets at:

[https://www.rigb.org/whats-on/explosive-history-hydrogen-andrew-szydloitutton \(rigb.org\)](https://www.rigb.org/whats-on/explosive-history-hydrogen-andrew-szydloitutton (rigb.org))

Family workshop: Christmas Nature Arts and Crafts!

Jeffery Harrison Visitor Centre, Sevenoaks.

Learn how to create eco-friendly Christmas decorations using natural materials. Children will be able to take part in activities including making hanging decorations, wooden reindeer figures and Christmas wild bird cakes!

Saturday 10th December 2022. 11:00am-1.00pm.

Purchase tickets at:

<https://www.kentwildlifetrust.org.uk/events/2022-12-10-family-workshop-christmas-nature-arts-and-crafts>

Big Garden Birdwatch

Your bedroom window, local park or garden!

Get your garden ready for the Big Garden Birdwatch. From the comfort of your own home you can join thousands of people to support the annual census of birds across the UK. Simply choose one hour between the 27th and 29th of January to count the birds.

Register in mid-December for the 27-29th January 2023. One hour a day.

Register your interest at:

<https://www.rspb.org.uk/get-involved/activities/birdwatch/B>

ALWAYS
ask an adult
to help you!



Science at home!

Fireworks in a jar!



<https://www.youtube.com/watch?v=JgNOuNh00kgperiment>

November brings Fireworks Night where we all wrap up warmly and brave the cold to enjoy wonderful displays of colour! What if we could bring fireworks indoors? (not literally!)

What you need:

- Glass Jar
- Oil
- Bowl
- Warm Water
- Fork
- Food colouring (multiple colours)

What to do:

1. Fill your jar 3/4 of the way with warm water.
2. In a separate bowl, use a fork to gently mix 2-4 tbsps. of oil and several drops of food colouring (different colours).
3. Pour the oil mixture into the jar of warm water.
3. Carefully observe what happens! Look closely!

What happens to the food colouring when it meets with the water?

What happens if you use hot or cold water?

Do different colours react differently?

Does the type of oil make a difference?

Take a video/ pictures so you can rewatch your experiment. Miss Crawley would love to see what happened!

ALWAYS ask an adult to help you!

SCIENCE SELFIE



Return of the Science Selfie books!

This term, the teachers will be handing out the Science Selfie books.

The pupils have the chance to be creative, investigate and present their results for a range of scientific questions.

At the end of the year, one entry will be chosen from each year group. This entry will get special recognition and maybe even a prize...

I'd love to hear about all the science you have been doing at home! Bring in photos and come and find me in my classroom to let me know what you have been up to. Your work could make it onto our science display!
Miss Crawley