



# 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!

## STEM CLUB

Over the past two terms, years 2 and 3, with support from some Science ambassadors, have completed a range of enquiry questions in a hands-on manner. Each week, a new enquiry question has been posed for the children to independently explore and ask an abundance of questions.

The investigation conclusions that sparked the most amazement were:

- How oobleck combines more than one state of matter.
- Pancake toppings have different viscosity levels.
- Balloons can be inflated using chemical reactions rather than your breath
- Sturdy structures can be built using spaghetti and marshmallows.
- Electrical circuits have an almost endless number of component combinations...including paper clips!

STEM club will be continuing next term, so if you want to get messy with Science why not join us on a Tuesday lunch time!

## Science Ambassador News

In a recent ambassadors meeting, the children decided they wanted to join forces with eco-council's message of protecting the environment.

With 'Sevenoaks Big Clean Up' having taken place on the 25th and 26th March, followed by World Earth Day being marked on the 21st April, it is more important than ever that we protect our planet.

Your ambassador would like to launch an **engineering competition—Connections!**

Have you ever wondered how our actions are **connected** to the environment around us? Are you interested in exploring how internet **connections** have changed the world? Do you want to discover a new way preventing the **connection** we have with climate change? Then this competition is for you!

We want you to **design a poster** that explores what you think of when you hear the word 'connection' and 'environment'.

You could even make a prototype! I wonder if anyone could create an invention that solves the connection between pollution and engine idling? All entries will be displayed on the Science board by the computing suite with the winner receiving a science prize!

**Deadline: 24th April (Second Monday of Term 5)**

Ask Miss Crawley for more information!



## What's on?

### Pond Dipping and Mini Safari

3rd April 2023 10am to 12pm (Sevenoaks Wildlife Reserve)

This is a great family event: join a morning of wildlife adventure. After pond dipping you will be led on a mini safari around the Sevenoaks Reserve. Keep your eyes peeled for all sorts of mini beasts.

### Easter Egg Trail

3rd to the 10th April  
between 10am and 4pm.

Explore Sevenoaks Wildlife Reserve, finding clues and solving puzzles to win an amazing chocolatey prize!

Both of the above events can be found at:

<http://www.kentwildlifetrust.org.uk/events/>



### How to build a racing car

Sat 13th May 7+ The Royal Institution

Gather round and buckle up as we race into the science behind How to Build a Racing Car.

Together, you will delve into the process and people it takes to build an F1 car! You—the audience—will have the power to choose how the car is made! <https://www.rigb.org/whats-on/how-build-racing-car>

### Fizz Pop Science

Saturday 15th April Shorne Woods Country Park, Gravesend

A day full of Science workshops! Become



illuminated creating rainbows. Discover the wonders of your own UV key ring. Launch a rocket skywards and make materials like paper disappear in a flash! [https://allevents.in/mobile/amp-event.php?event\\_id=200024151300625](https://allevents.in/mobile/amp-event.php?event_id=200024151300625)



### Roarsome

Saturday 11th June, Basildon Sport

and Leisure Club Dinosaurs brought to life in an energetic interactive and exciting experience!

[www.dino2hire.co.uk](http://www.dino2hire.co.uk)

## Science at home!

### Colour-changing flowers

#### What you need:

- White flowers
- Food colouring
- Water
- Small jar, vase or cup.



#### What to do:

1. Trim the flowers at the stalk.
2. Fill a vase or jar with water and add a little food colouring.
3. Place the flowers in the jar and leave.
4. Come back after a few hours. Have the petals changed?

**Extra challenge:** Try splitting the stems in half with a sharp knife. Does that change the transpiration rate?

ALWAYS ask an adult to help you!



### Easter STEM challenge

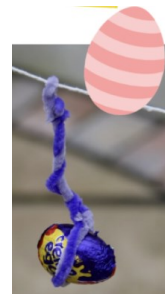
#### What you need:

- String, wire or wool
- Timer
- Pipe cleaners / straws
- Plastic/ chocolate egg.

#### What to do:

1. Tie the string between two points.
2. Use the pipe cleaner to create a harness.
3. Time how long the egg takes to travel from A to B.
4. Experiment with different eggs/ harnesses/ inclines!

**Challenge:** Build two zip lines! Which egg will win?



### Science Selfies!

All the teachers have been amazed at the quality of the science selfie submissions. Entries have been extremely detailed and creative! Well done if you have already completed your science selfie. If you haven't, remember that there will be a KS1 and KS2 prize at the end of the year for our favourite science selfie!

**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.**  
Miss Crawley