



British Science Week Newsletter

21st March 2023

www.holly-grove.lancs.sch.uk / www.facebook.com/HollyGroveSchool

We have had a very busy, fun filled week, transforming school into our very own Science Lab.



We have carried out some Scientific experiments in our class Labs.

Cocoon

Science is such a big part of our daily lives. We use many scientific words on a daily basis.

Micro-Habitat

Methane

Each class had a Scientific Word to explore and learn about.

Germination

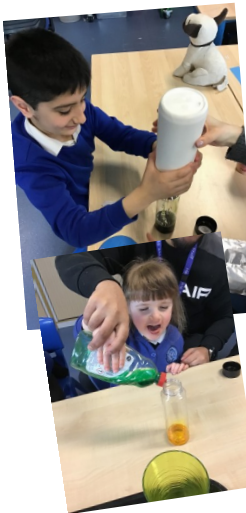
Udder

Habitat

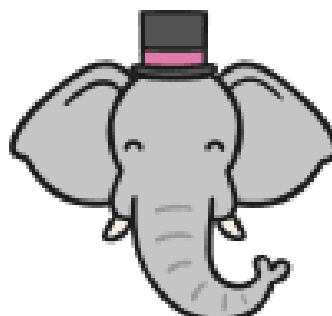
animals

Classification

observation



We loved carrying out an experiment, making, Elephant Toothpaste. The Science Club also demonstrated a fab Science Experiment for us all to watch too.



We carried out lots of different experiments



When Zoo Lab visited school

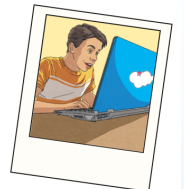


Why Is This Year's Theme 'Connections'?

Our world is full of connections - connections in our bodies, with other people and to other countries. There are connections to other planets, between different animals in their habitats and even electrical connections

Important Discoveries Involving Connections

1st January 1983 is considered the official birthday of the Internet. The Internet helps people all over the world to stay **connected**.



There are lots of Science themed attractions 'to visit that are suitable for all the family.

Queen Street Mill Textile Museum

Fun Science West Lancs

Eureka! The National Children's Museum in Halifax

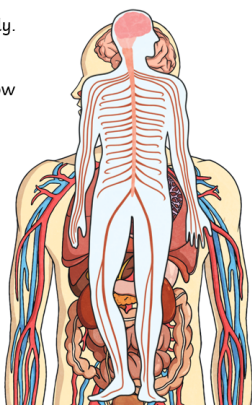


There Are Connections inside You!

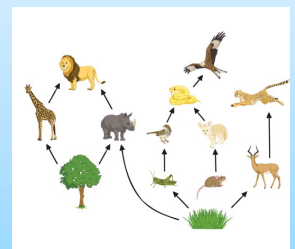
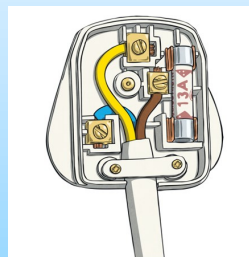
There are many different organs in your body. These form organ systems, which all work together. They're all connected to make the wonderful organism that is you! Do you know the names of any of these organ systems?

Did You Know...?

Some of the **connections** in your body are nerve cells. There are over 7 trillion nerve cells in your body! We would need a microscope to see them but they are some of the oldest and longest cells in your body. In fact, if we lined up all the nerves a body has, they would stretch for **almost 45 miles**.



Food webs show all of the possible **connections** between an ecosystem's energy cycle. The idea of food webs was first discussed in 1927.



On 8th November 1904, **Harvey Hubbell II** patented the first detachable electric plug in the United States. Plugs used to be known as electrical **connectors**.

Happy British Science Week 2023

4 Ways to Explore Science with Your Child

1. **Make a mess** - Young children love making a mess. Parents need only a couple of materials to turn mess-making into fun and collaborative science exploration. For young kids, spray a heap of foamy shaving cream onto a metal cookie sheet and encourage your child to touch, shape, and play with the substance. Ask “What does the shaving cream feel like?” and “What kind of shapes can you make out of it?” For more fun, add food colouring and observe how it travels throughout the shaving cream. Add more colours. Then mix it up! Older children may enjoy making slime - recipes can be found online. There’s a lot of science embedded in this project: children have to measure and mix ingredients, and parents can ask questions about the properties of this unique substance. What makes it so “slimy?” What are some ways to make the substance either more or less gooey?
2. **Play with water** - You can do a lot of engaging science activities with a sink, some plastic bottles, and a few toys. Water play gets children exploring water’s liquid properties. Pouring, spraying, and squirting water all help children build foundational experiences about water and how it looks, moves, and behaves. And they can continue to refer to these initial experiences as they grow older and investigate other liquids. For starters, fill up the sink and then examine which objects float- and which fall to the bottom. Ask your child to share their ideas about why these objects float or sink, and then carry out some follow-up explorations to test their ideas. Or have your child fill containers of different sizes and shapes, and encourage them to describe how the shape of the water changes when they pour it from one container to another.
3. **Build ramps** - Structural engineering is science too, and explorations of motion and gravity can be fun for everyone. Here’s a simple activity: use LEGOs, cardboard, or even discarded recyclables to build a ramp, and then roll a marble down it. Work with your child to figure out how to make the marble go slower or faster. Or build two ramps and have a race!
4. **Observe the world around you** -You can still do a lot of science even if you don’t have any materials available - just look up, down, or around. For example, when you’re outside, ask your child to look up and describe how the clouds are moving or why they think the swing keeps swinging after it is pushed. Or turn over some rocks at the base of a tree and talk about what you find.

Science Websites

<https://www.stem.org.uk>

<https://www.hamilton-trust.org.uk>

<https://www.primaryengineer.com>

<https://www.bbc.com/bitesize/subjects/z6svr82> (KS1)

<https://www.bbc.com/bitesize/subjects/z2pfb9q> (KS2)

<http://www.primaryresources.co.uk/science/science.htm>

<http://www.sciencekids.co.nz/>

<http://www.ictgames.com/topic/index.html>

<https://www.topmarks.co.uk/Search.aspx?q=Science>

<http://www.communication4all.co.uk/HomePage.htm>

<https://www.natgeokids.com/uk/>

<http://amazingspace.org/>

<https://www.nasa.gov/kidsclub/index.html>



Free apps

Picture This

Mag. Glass

Discovery for Kids

Kids fun Science Experiments

Science Games for Kids

Crazy Kids Science

Anatomy Quiz

Earth School - Science Games

Science Learning Games

Click Magazine: Science and Nature

Baby Hazel Science

Science Games for Kids: Puzzle

Animal Kingdom Science For Kids

