

Science week – Making Connections

- We have chosen a selection of activities that either link to our Science curriculum in school or promote the science skills: questioning, planning, observation, recording, reporting and evaluating.
- Any time this week, please choose an activity from our suggestions (or share one of your own!) and upload any photos to your child's dojo portfolio – we would love to see them and share them in assembly next week!
- There is also a UK wide poster competition that the children can get involved in if they would like (see poster for more info).

EYFS and KS 1 STEM/Science Challenges

Can you make a weather station in your garden?

Create a rain gauge or a wind sock for outside. You can keep a weather diary throughout the week and record the rainfall!



[Kid Crafts: Wind Sock - Darwin and Newts](#) [YouTube](#)

Rainbow Bubble Snake

Why do you think the bubbles are forming?

How long can you make your rainbow snake? Can anyone in your family make a longer one – why do you think this might be?



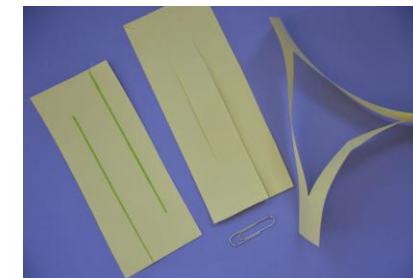
[Rainbow Bubbles Snake! | Fun Science Experiment For Kids To Do At Home With Mike And Jake | DIY - YouTube](#)

Paper helicopter spinners

Can you build a paper helicopter and test it out?

What happens if you make a bigger/smaller one? What about if you add more paper clips?

Can you have a race against a family member – what will you need to do to make it fair?



<https://youtu.be/nDZnaZreJck>

LKS2 STEM/Science Challenges

Create your own mini projector!

Follow the video to create your own.

Can you explain what is happening in your projector?
(light, shadow, transparent, translucent, opaque)



[DIY Toilet Paper Roll Projector \(Tutorial\) – YouTube](#)

Fake Fossils

Can you make your own fake fossil?



Watch the video and then try the quiz on “How are Fossils made?” on BBC bitesize

[Making a Fossil - CBeebies – BBC](#)

Build and test a hoop glider

- How and why does it work?
- Can you measure the furthest three distances yours travelled?
- Now try changing something about your glider – maybe the length of the straw or the size of the hoops. What difference does it make?

[How to Make a Hoop Glider | Beano Makes – YouTube](#)



UKS2 STEM/Science Challenges



Fantastic Fingerprints

Follow the guide to study the different ways to collect fingerprints.

Can you observe similarities and differences between your fingerprint and your families?
What type of fingerprint did you have?



[CREST SuperStar Awards demonstration - Investigating Ink – YouTube](#)

Coke and mentos

Can you test out the famous Coca-Cola and Mentos experiment?

Record it and upload your video to dojo – what variables can you change? (bottle size/number of Mentos etc)
Research why it happens!



[Coke and Mento Experiment - Cool Science for Kids \(science-sparks.com\)](#)

Lava Lamp

Follow the link to find out how to make your own lava lamp.
What is happening? Why do you think it is happening?



[How to make a Lava Lamp - DIY Lava Lamp for Kids \(science-sparks.com\)](#)

POSTER COMPETITION

Pupils can get creative and enter British Science Week's annual, UK-wide poster competition! They can make a poster about any 'Connections' that appear in the world of science they like, and be in with the chance of winning an array of prizes. Each school can enter the 5 best posters!



Kit list

Paper (A4 or A3)

Creative materials, such as:
pens
pencils
scissors
glue
watercolours
paints
crayons
felt
thread
wool
foil
clay
string
beads
stamps
foam
pompoms

Instructions

Research your poster

Get the pupils thinking about ideas to include in their poster. They could investigate and imagine 'Connections' and everything that makes them special. Here are some topic ideas to help you get the inspiration started:

- ▶ Ask them to think about their personal experiences of connections - from learning about how their body parts are connected, to connecting with their classmates, teachers and family members to help them learn more about science. Has it helped them become stronger, braver, kinder or more accomplished?
- ▶ Is the world built on connections? Why not think about connections in terms of the ancient family tree that connects all animals, how atoms connect or bond to make up our surroundings and connections in construction. What are examples of good connections?
- ▶ Is there someone pupils have connected with who inspired or helped them? It doesn't have to be someone they know, it can be any role model! Why not have them create a portrait that demonstrates this? Connections are everywhere. From the friends we make who share new ideas, to the connection between eco-friendly behaviour and a better future, there is so much to see all around us.

Make your poster

Once the children have done their research, it's time to get creative! The poster must be:

- ▶ A4 or A3 size and you need to be able to take a photo of it to send to us online for judging.
- ▶ Pupils can use pop up pictures, pull out tabs or use materials such as paint, drawing pencils, crayons and paper.

Send us your poster

- ▶ Posters will be judged on creativity, how well they fit the theme, how well the poster has been made or drawn, and how engaging they are. Once the poster is complete, take a photo and complete the online form with your entry details.

Next steps

Celebrate! For more details, along with the full set of rules and tips for educators, check out our website britishscienceweek.org/plan-your-activities/poster-competition 🌟



Look out for the activities in this pack marked with a paintbrush symbol, they can be a source of inspiration for the poster!

Poster Competition