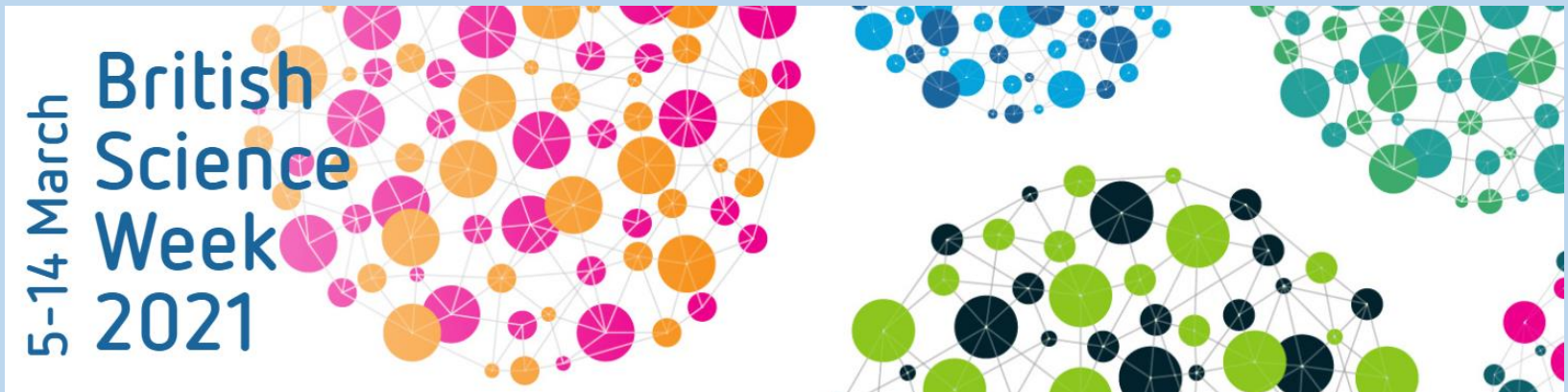
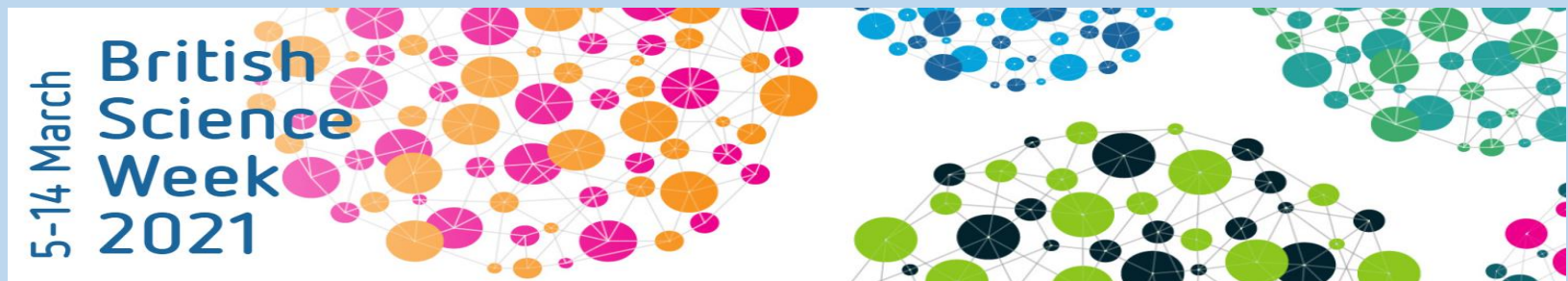


Science Day (s)

2021: parent information



Year 7 Monday and Tuesday.
Year 8 Monday *and follow up in*
science lessons.



British Science Week

The theme for this year's Science week is **innovation**. We are asking your child to think innovatively to solve the world's major issues linked to human activity.

All lessons will be science based. Instructions will be on the bulletin and issued in the normal way by the normal subject teacher for ease.



What you will need

An open mind

Pencil and paper (science books are a good idea, they **can write in the back**)

Outdoor space

There are options to choose which **hands on** activities your child takes part in, looking at what is available at home. The 'equipment' list follows. Please don't feel like you need to go and buy things. We are trying to encourage them to use what is available and think about substitutes where needed.



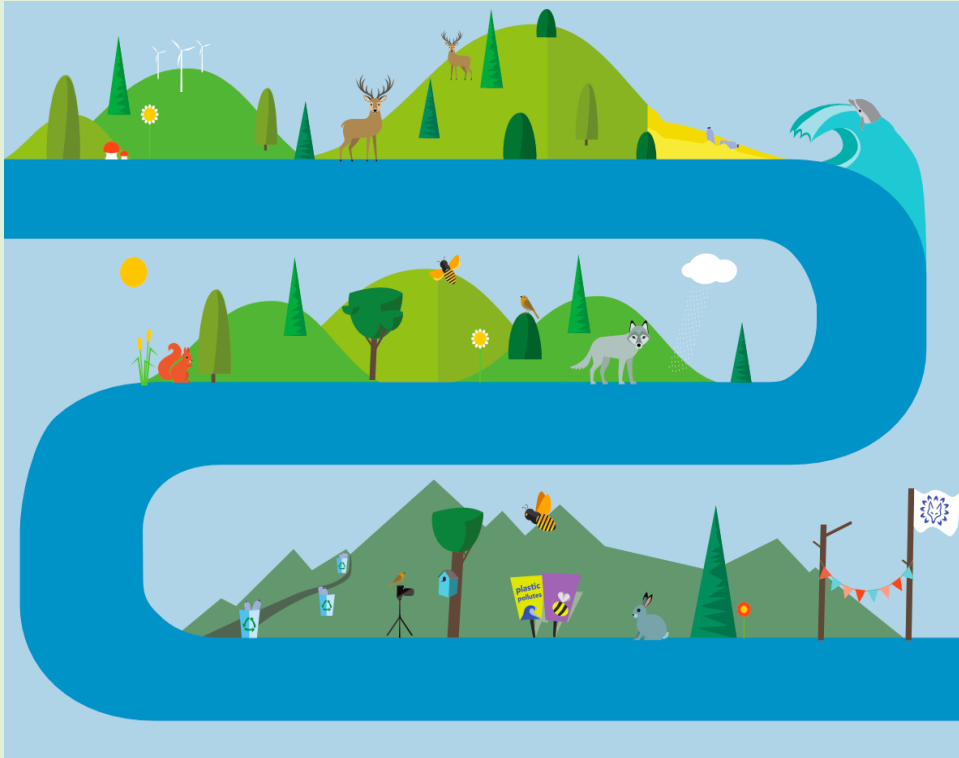
Skills we are looking for ...



Observant	Open-minded	Committed	Tenacious
Creative	Imaginative	Patient	Collaborative
Resilient	Communicator	Passionate	Organised
Curious	Self-motivated	Hard-working	Logical



Our partners: Action for Conservation and Prospects



The day (s) will have a range of presentations and guided independent work.

By the end of the day they will **produce a poster on their own innovative idea.**



ACTION
FOR CONSERVATION



Equipment needed for Prospects challenge

A milk bottle or Tetra Pak carton
Scissors
String
Protective gloves (preferably gardening gloves)
Twigs
Leaves
Moss
Paper
Cardboard



Equipment needed for science at home...

Lava Lamps

Clear bottle or drinking glass
Vegetable oil
Fizzy vitamin tablet or Alka Seltzer tablet
Food colouring
Water
Mobile phone with flash light or torch

Make a Rocket

Plastic drinks bottle
2 Plastic drinking straws (one slightly narrower than the other)
Modelling clay/Plasticine/Blu Tac
Paper
Glue

Skittles Chromatography

Skittles sweets
A plate (white is best, different shapes and sizes are fun to experiment with)
Water
Any different safe to use liquids that you wish to investigate (lemonade, white vinegar, milk)

Sink or Float with Oranges

An orange, satsuma or clementine (other fruit that can be peeled)
A drinking glass or measuring jug
Water

Equipment needed for science at home...

Blast Off

Drinking straws (try reusing some if you can!)

Sticky tape

500ml Empty plastic bottle

Cork to fit the bottle

Kitchen roll

1 Tablespoon of bicarbonate of soda

Vinegar

LOTS OF SPACE!

)

Kitchen Roll Rainbows

Kitchen roll

2 mugs or drinking glasses

Felt tip pens

Water

Flushed Away

A clear plastic bottle with lid

Toilet paper

Kitchen roll

Baby wipe

Water

Pop off

Empty film canister (ask your parents if they remember these!) or fizzy vitamin tablets

Alka-Seltzer tablet

Ask grandparents for sterident tablets

Teaspoon

Water

Responsible adult

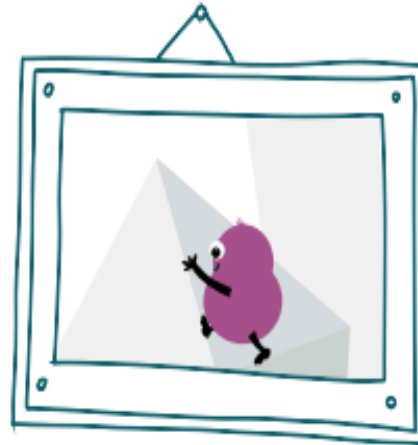
Poster Competition

Design a poster version of this year's theme 'Innovating for the future' on anything you'd like.

We've looked at the environmental future.

Open for all year 7-9.

One piece of A4/A3 of any material to be handed in to your science teacher, then we'll send it to the national science week.



Research your poster

Investigate and imagine 'Innovating for the future' and everything that makes it special. Here are some topic ideas to get you started:



Poster Competition: National Rules

- 1 Think about your own innovation – from inventing your own toy that you want to share with your friends to a useful machine that will help your family or the whole world! How will it change the ways of play, sports and leisure, entertainment, communications, work, or even school?
- 2 Feeling futuristic and global? Why not think about an innovation – new ideas, inventions, products or services we have never heard before that would make the world a better place?
- 3 Do you know someone who is an awesome innovator? Try to showcase their innovations and reflect on how this person's innovations impacted the lives of many.
- 4 Everyday innovations can be easily overlooked. Identify common innovations that you use daily and give a thought on how your life would be without them.

Make your poster

Once you've done your research, it's time to get creative! Your 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.
- ✓ You 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 and how well the poster has been made or drawn. Once the poster is complete, scan or take a photo and go to the **British Science Week website** for more details.

Next steps

Celebrate! For more details, along with the full set of rules and tips for educators, check out our website **britishscienceweek.org**



Poster Competition

https://www.surveymonkey.com/r/BSW2021postercompetitionform?Upload=%5bUpload_value%5d

You've until the 30th April to enter, your very best effort, **but we'd like a version handed in on your return to school, via your science teacher**

Judged on:

Creativity in approach – Innovative angle on the content or creative interpretation of the theme

Content – Clear, accurate and informative about a STEM topic

Effective communication – presented and communicated in an engaging way

School Prizes will be awarded.

