

# Science Challenge

The week beginning Monday 8<sup>th</sup> March will be our annual Science Week.



Following the success of last year's challenge, with over 80 wonderful entries submitted across the school, the whole school science challenge is returning! To promote the joy of science, we are asking the children to carry out a science experiment or investigation at home.

There will be a winner chosen from each year group and there will also be very special prizes!

We are setting this challenge now so that children will have plenty of time to experiment or investigate. The deadline for all entries is Friday 5<sup>th</sup> March. Due to current guidelines we are asking that you *only* send an entry into school on Friday 5<sup>th</sup> march so that it can be quarantined in school safely before entries are judged the following week.

Reception, Year 1 and Year 2	Year 3 and Year 4	Year 5 and Year 6
<p><u>Everyday Materials</u></p> <p>Your focus in science this term in school is everyday materials. Can you carry out an investigation or experiment involving materials? Can you explore how materials can change by squashing, bending, stretching or twisting?</p>	<p><u>Living Things and their Habitats</u></p> <p>Your focus this term in science in school is living things and their habitats. Can you carry out an investigation or experiment around living things, animals and where they live?</p>	<p><u>Properties and Changes in Materials</u></p> <p>Your focus this term in science in school is properties and changes in materials. Can you carry out an investigation or experiment using materials? Can you explore how materials can change?</p>

### Suggested experiment or investigation ideas:

1) Explore which is the best material to make something out of e.g. a cape or a hat.



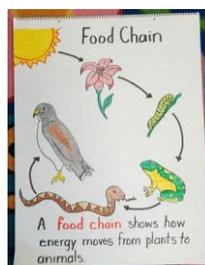
2) Collect a group of materials from around your house. Test whether they float or sink.



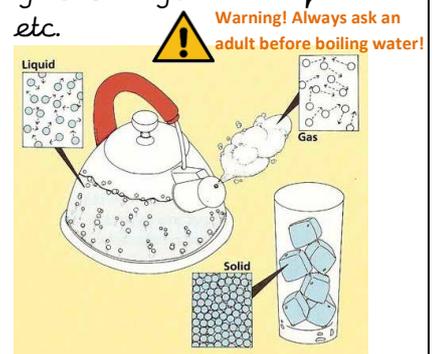
1) Create a shelter for an animal of your choice. What would it need to survive? How does the shelter keep the animal safe?



2) Choose an animal. Research and create a food chain for this animal. Who is the predator? Who is the prey?



1) Explore solids, liquids and gases. Can a solid change to a liquid? Can a gas change to a liquid etc.



2) Explore which material dissolve or not.



