

Hi year 5,

This week we would like you to **investigate the strength of paper**.

If your parents would like a more detailed explanation of this investigation they can use this link ... <http://www.scienceprojectideas.co.uk/testing-paper-for-strength.html>

First of all, find **5 different paper samples** in your home. You could use toilet paper, kitchen paper, writing paper, an old envelope, wrapping paper or a paper bag.

It is essential that you cut all these pieces of paper to the **same size**. It needs to be big enough to cover the top of a cup.

Next decide if you are going to test the paper **wet or dry** (make sure you don't make it too wet).

Then set up the paper over the **top of a cup** and secure with a rubber band or string.

Finally, to test the strength of the paper add coins until it tears. Record how many coins it took to tear it and record in a table like the one below.

Type of paper	Number of coins taken for the paper to tear.



#### Writing up your experiment:

It is now time to write about your experiment. You can do it on a word document or on paper and even take pictures of the experiment. It must include

- **Equipment:** The things you used.
- **Method:** What did you do?
- **Results:** This should be your table.
- **Conclusion:** What do your results show you?
- **Evaluation:** What went well? What could you do better next time?

We look forward to hearing about your results!