





**TO INVESTIGATE HOW STRONG IS
PAPER?**

CAN IT HOLD UP A BOOK?





You will need:

- Different types of paper, newspaper, magazine paper, printer paper, baking paper or anything else you have.
 - Sticky tape
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First lay your paper out next to each other and observe it (look closely).

Can you see any differences between the types of paper?

Next tear each piece in half. Can you see any differences now?





Next choose which paper you think is the strongest and try to stand it on its end.

Does it work?



Do you think it can hold up a book?





Next try bending, folding, rolling and twisting the paper.

Does this make it any stronger?
Is there a way that works best?



Can you make the paper hold up a book? Try to use only a small amount of sticky tape.



Once you've had a go have a look at the next slide. Did you do it this way or did you find a different way?

Did you predict which paper would work best? What did you find out?



We would love to see your photos.

**Do you
think I
needed
to use
all these
rolls of
paper?**



**Can
you do
it with
fewer
rolls?**