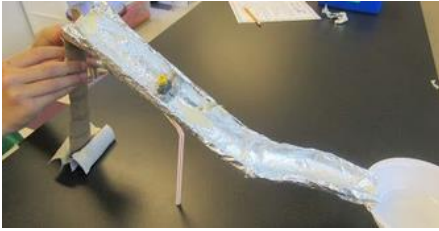


# Optional Homework

## Year 5 - Material Properties

### BUILD



Can you build a water slide which is strong and waterproof?

Think about the properties of different materials.

Test your slide using a Lego man and cup of water!

### TEST

Which supermarket sells the strongest plastic bags?

Devise a fair test to find out the answer and share your findings back in school.



### MAKE

Try making your own slime, using the recipe found here:

<http://www.funathomewitkids.com/2014/07/make-slime-with-laundry-detergent.html>

How far will it stretch before breaking?



### SPELL

material  
property  
describe  
classify  
compare  
different  
similar  
insulator  
conductor  
thermal  
durable  
absorbent  
waterproof  
strength

### RESEARCH

Look at clothes labels. What materials are they made from?

Can you find out more about these materials? ...Where do they come from? Why are they used?



### MEASURE

With permission from an adult, leave a cup of tea for an hour.

Measure the temperature using a thermometer every 5 minutes.

Can you plot your findings in a line chart?  
Can you see a pattern?  
Can you explain it?

