



Materials and their uses

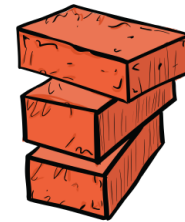
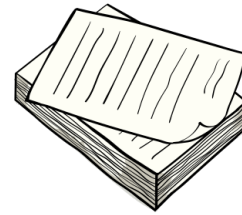
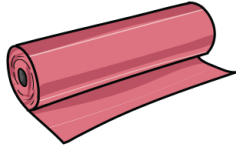
**I can investigate the properties
of different materials.**



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Thinking Time

Can you remember the names of these **materials**?

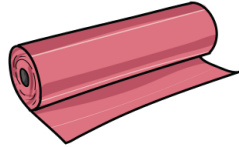


Thinking Time

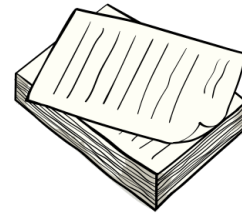
Can you remember the names of these **materials**?



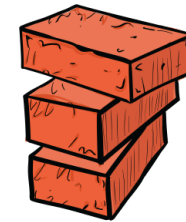
rock



fabric



paper



brick



wood



rubber



glass



plastic



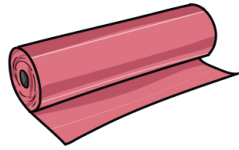
metal



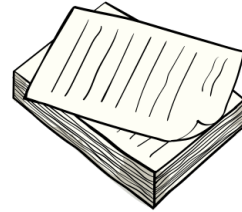
All of these materials are fantastic. They are all perfect to make certain objects out of. Some materials are better suited than others.



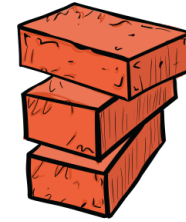
rock



fabric



paper



brick



wood



rubber



glass



plastic



metal



You have a new email



to

children@school.co.uk

Please help me!

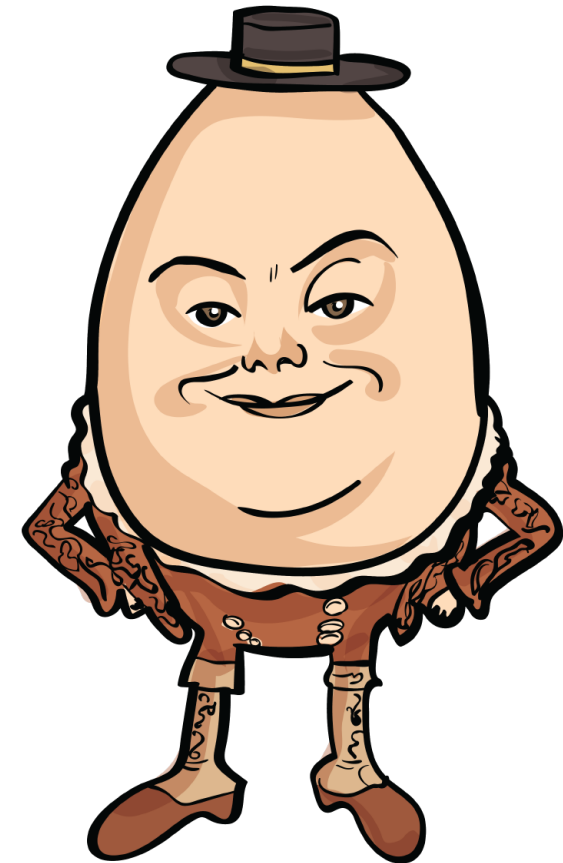
Dear Children,

I heard from my friends, the three little pigs, that you helped them find the best material to build their house out of. I was wondering if you could help me? I am fed up of falling off the wall and having to be put back together again by all the King's men. Could you investigate which material would be the best to wrap around me so if I do fall, I don't break? It has to be comfortable to wear, not too heavy and be able to protect me from breaking if I fall off the wall.

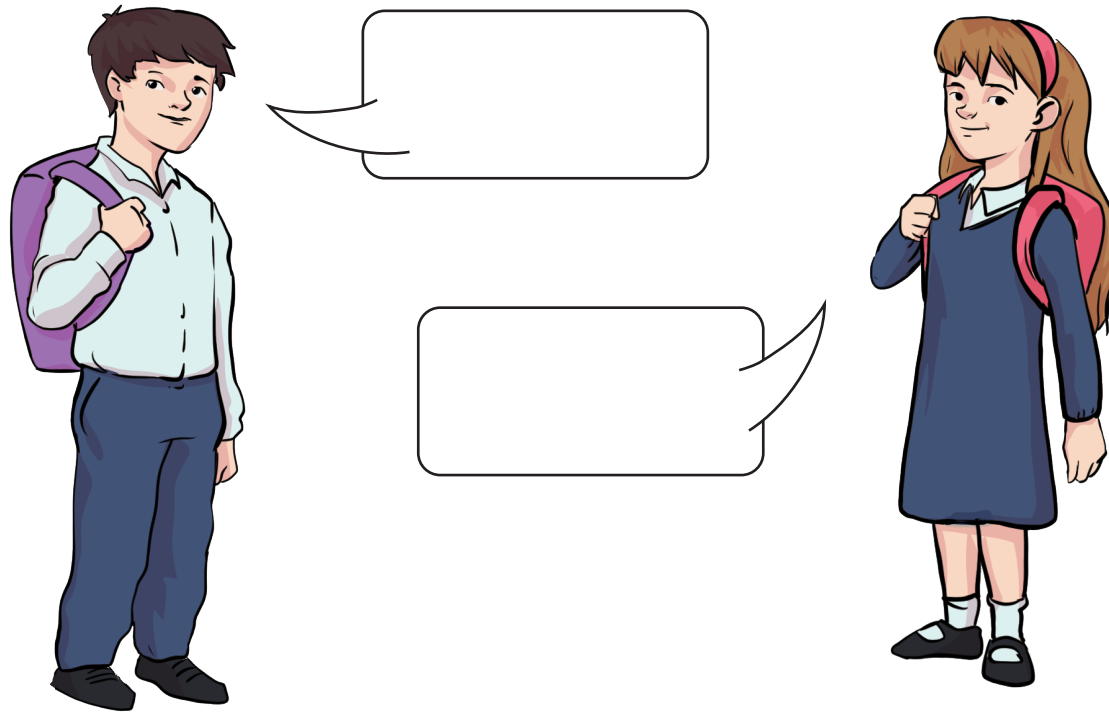
Please let me know what you find out!

Thank you.

From Humpty Dumpty.



How can we help Humpty?

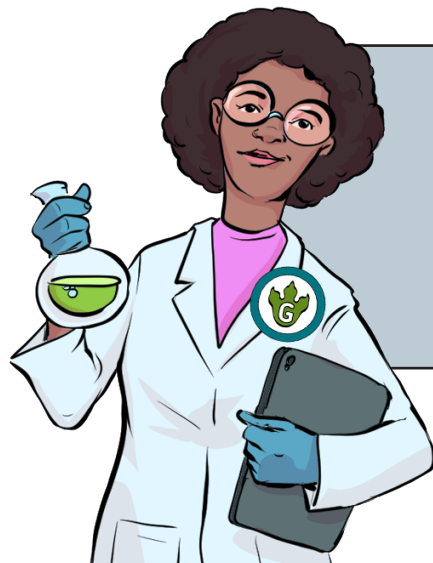
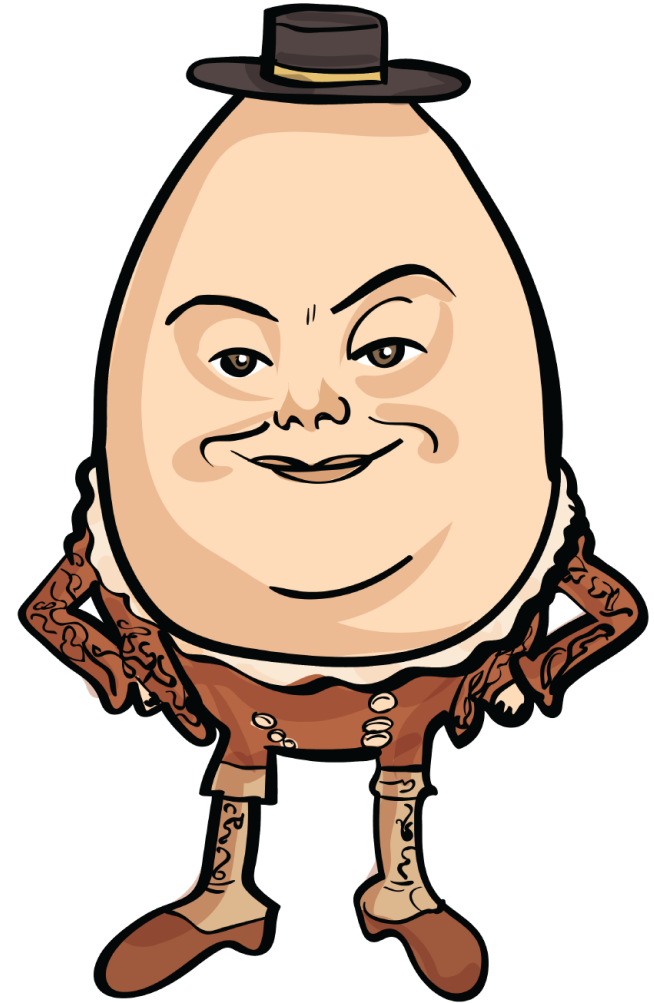


Talk to your partner before we share
our ideas with the rest of the class.



Thinking Time

We need to investigate a **material** that will be good to wrap around Humpty Dumpty. It needs to **protect** Humpty from the fall. It needs to be comfortable to wear. It can't be **too heavy**.



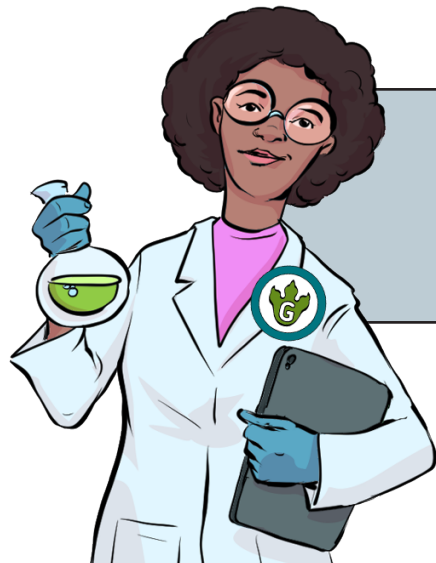
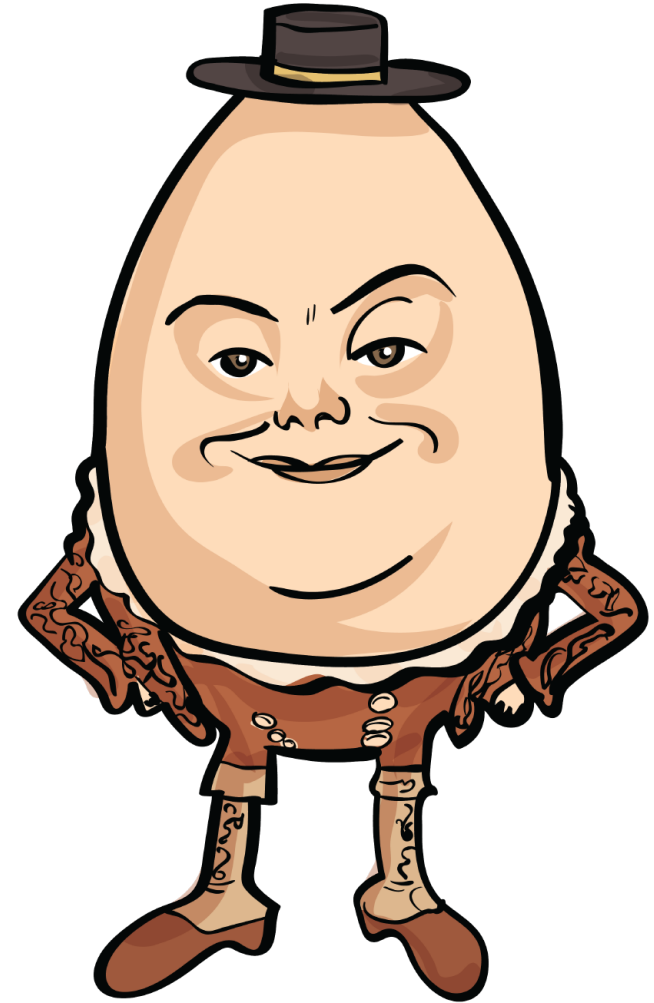
Why should it not be **heavy**?



Thinking Time

First, we need to see **which materials will protect Humpty**. Then, we need to investigate **which will be comfortable to wear**.

Finally, we need to see which one is **not too heavy**.



How can we do this?



First, we need to see which materials will protect Humpty.

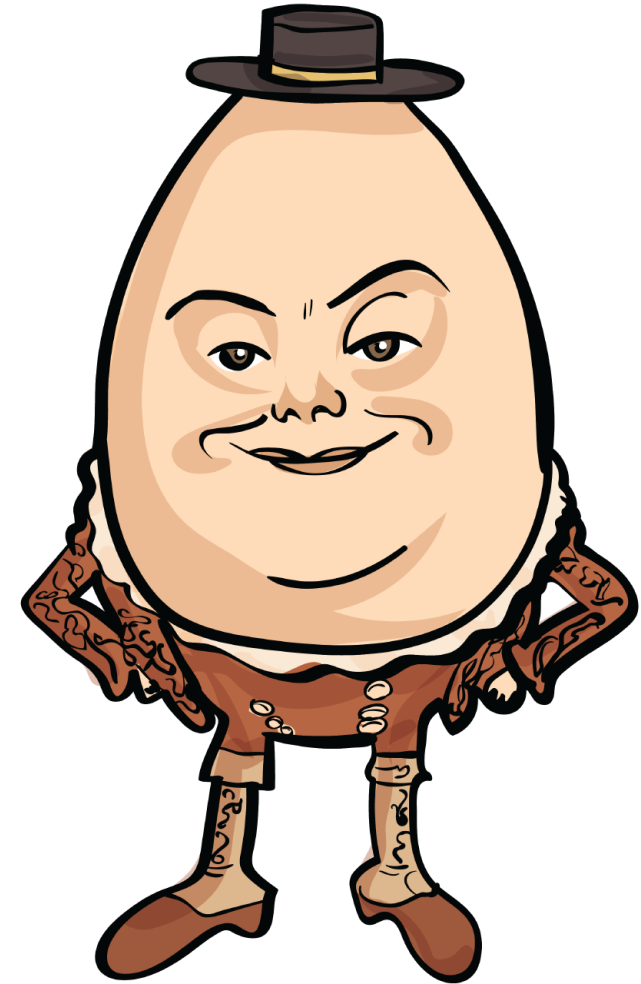
We could wrap an egg in each material and drop it to see which one stops the egg from breaking.

Then, we need to investigate which will be comfortable to wear.

We could feel each of the materials to decide which ones would be comfortable to wear.

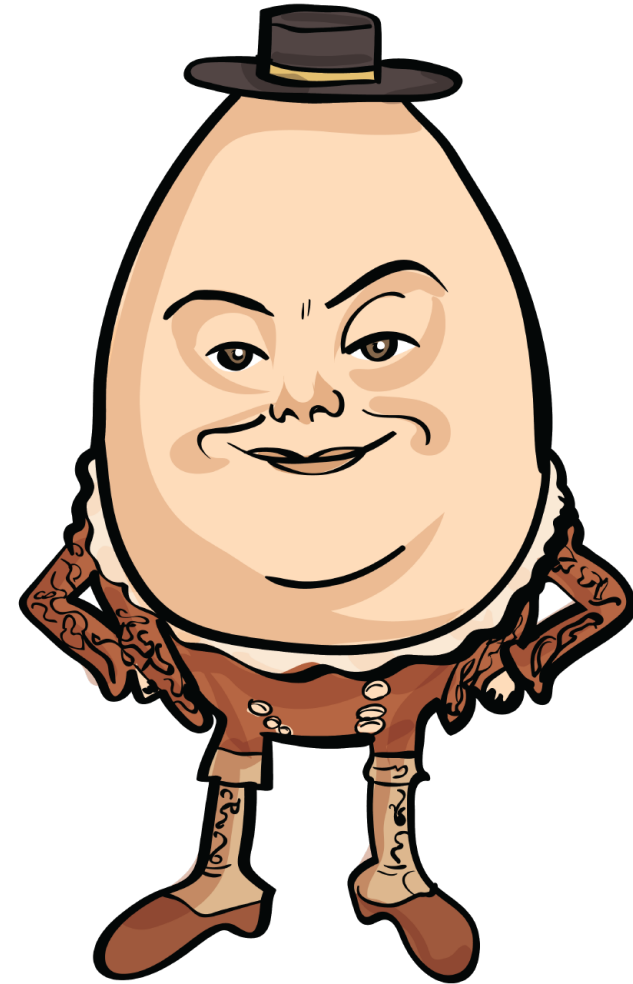
Finally, we need to see which one is not too heavy.

We could weigh each material to see which ones are the heaviest.



Group Activity

Humpty Dumpty needs our help.
As a group, you need to **investigate**
which **material** would be the best to
protect Humpty from **a fall**.



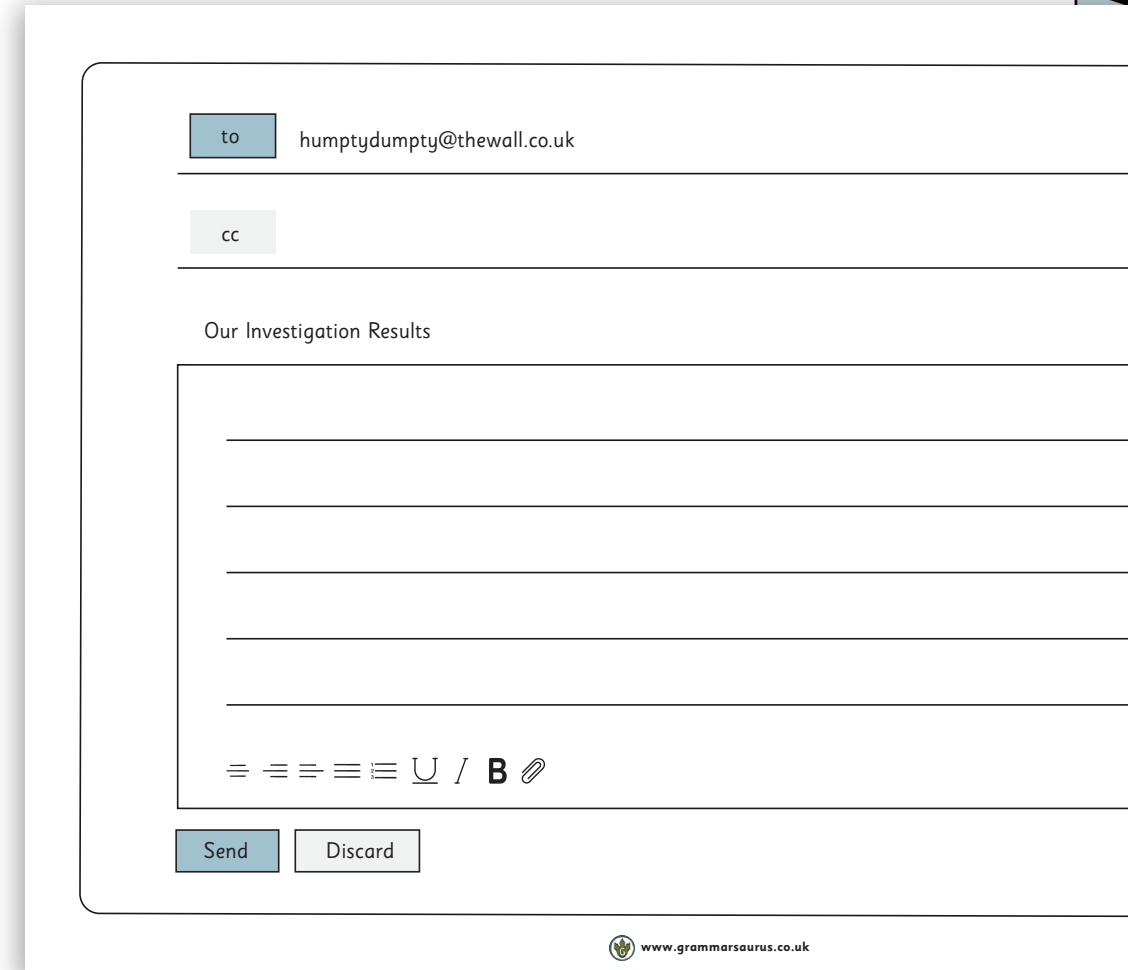
Group Activity

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You now have to tell Humpty Dumpty what you found out.

Which material is the best **material** to **protect** Humpty Dumpty from **a fall**?

Why have you chosen that **material**?

A screenshot of an email composition window. At the top, there's a 'to' field with the email address 'humptydumpty@thewall.co.uk'. Below it is a 'cc' field. The main body of the email is titled 'Our Investigation Results' and contains five horizontal lines for text entry. At the bottom of the body, there is a rich text editor toolbar with icons for bulleted list, numbered list, indent, outdent, underline, italic, bold, and link. Below the toolbar are two buttons: 'Send' and 'Discard'. At the very bottom right, there is a small logo and the website address 'www.grammarsaurus.co.uk'.


to humptydumpty@thewall.co.uk

cc

Our Investigation Results

≡ ≡ ≡ ≡ ≡ /

Send Discard

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