



Eggsperiment!

Strong Egg Competition

What you need

At least 4 eggs (let's be realistic - some will break!), lots of books

What you do

- ★ You need empty half shells for this eggsperiment and this part will be tricky to do - try and crack the egg on a hard, sharp edge, empty out the contents (have scrambled egg for lunch!) and rinse out the shell.
- ★ Repeat this with the other 3 eggs.
- ★ Position the egg halves on the table in the shape of a rectangle - the size of the first book.
- ★ Very carefully place the first book on top of the egg shells and then one by one add books to see how many the eggs shells can support before they start to **crack under the pressure!**

What is happening

It's actually not what the egg shell is made of (calcium carbonate) that makes it so strong, instead it's all to do with the dome shape of the egg.

The dome shape at each end of the egg distributes the weight evenly and minimises stress and strain - meaning the Mummy hen doesn't break her eggs when she sits on them!