



SQUASH, BEND, TWIST AND STRETCH

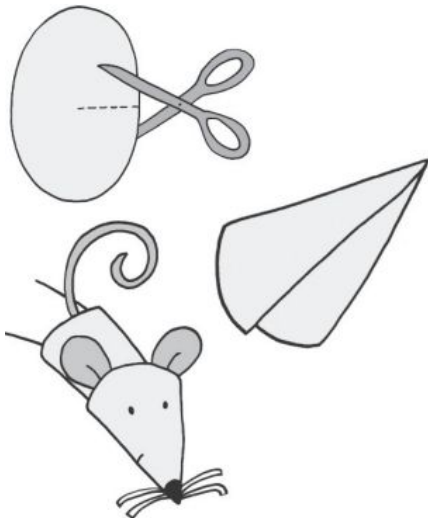
Vocabulary

bend: to force something that is straight into a curve or an angle.

squash: to push something together so that it changes shape, e.g., becomes flat.

stretch: to pull something and make it longer
twist – to turn something that is still or standing.

Key words: bend / dough / elastic / pull / push / squash / squeeze / stretch



We are learning to:

1. To understand how materials can be deformed by different forces.
2. To investigate the flexibility of different materials.
3. To classify materials based on their properties.
4. To explore how air can allow some materials to change shape.
5. To investigate the concept of elasticity.

WORKING SCIENTIFICALLY

Looking for patterns-sorting and grouping.		Asking questions.	
Using books, videos, the internet, people and photos to find answers.		Explaining results-saying what we found out.	
Recording information.		Saying why a test is unfair.	
Observing and measuring.		Performing simple tests and using equipment.	

We need to use suitable materials for objects, otherwise they would not be useful.

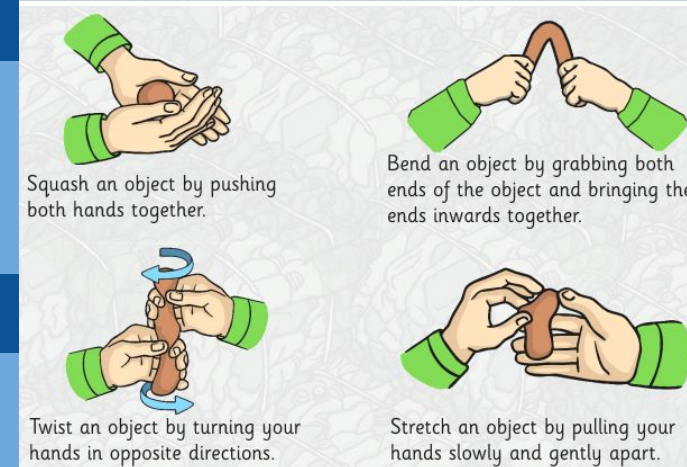


OVERVIEW

- In this unit, children explore how the shapes of objects can be changed by squashing, bending, twisting and stretching. In doing this they raise questions, perform simple tests, and gather and record data.

PRIOR LEARNING

- It is assumed that most children know, from their EYFS Stage experience, words such as squash, squeeze and direction, although they might not know how to write and spell them.



LET'S THINK LIKE SCIENTISTS

- What do you think would happen if everything was rigid and nothing could be bent, squashed or squeezed?
- What would your school be like if everything in it was flexible?

Some materials are not able to be squished, bent, twisted, and stretched due to them being too rigid.



Some materials are able to be squished, bent, twisted, and stretched due to their flexibility.



We can change the shape of solid objects made from some **materials** by squashing, bending, twisting and stretching.