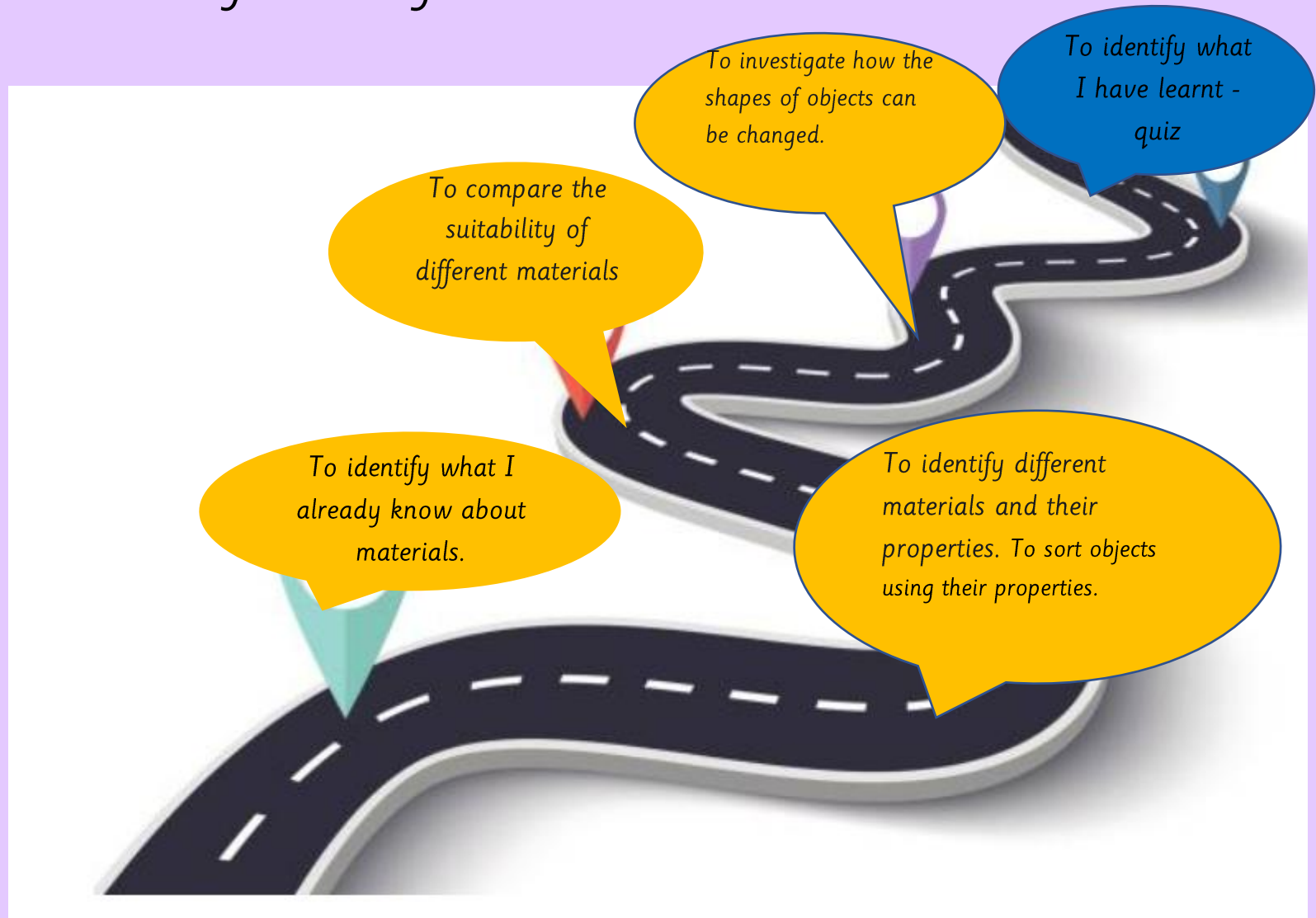




# Our Science Learning Journey

## Key Vocabulary:

Experiment, predict,  
squash, squeeze,  
flexible, absorbent,  
waterproof,  
transparent, opaque,  
crumble, bend, stretch,  
twist, shiny, dull,  
rough, smooth



Monday 6th October 2025



*LQ: Can I investigate how the shapes of objects can be changed?*

*Steps to Success*

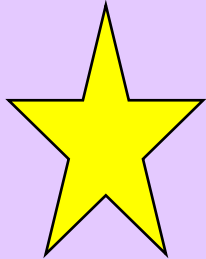


*All – I can explain and demonstrate four ways that the shape of an object can be changed.*

*Most – I can predict what will happen.*


*Some – I can explain my findings.*

# STAR WORDS



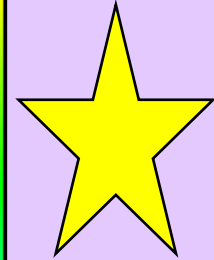

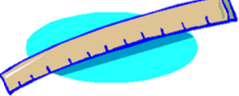

## Squashing

We can make things change shape by squashing them.



## Bending

We can make things change shape by bending them.



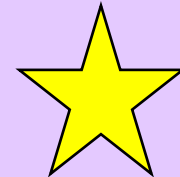
## Twisting

We can make things change shape by twisting them.



## Stretching

We can make things change shape by stretching them.



## Starter:

*Let's watch the Cinderella story:*

<https://www.bbc.co.uk/bitesize/topics/zsrfvwx/articles/zd9w8hv>

*TP: What did the fairy godmother do wrong?*



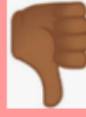
Recap:

TPs: What does suitability mean?

Why is glass a suitable material for a window?



**Self Assessment**  
Do you understand what suitability means?

*Today we are investigating how we can change the shape of objects made from some materials.*

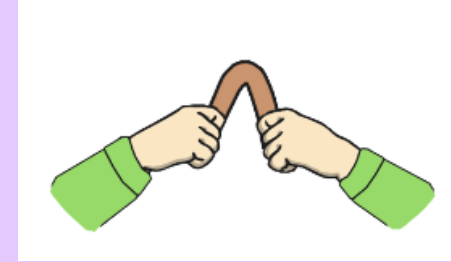
*TP: Can you think of an example of when you have changed the shape of something?*

*TPS. What was it and how did you change it?*

Let's go through these actions.



**Squash** an object by pushing both hands together.



**Bend** an object by grabbing both ends of the object and bringing the ends Inwards together.



**Twist** an object by turning your hands in opposite directions.



**Stretch** an object by pulling your hands slowly and gently apart.

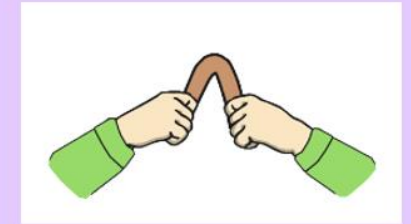
Let's investigate how we can change the shape of a drink can.

TPs - How can I change the shape of this can?

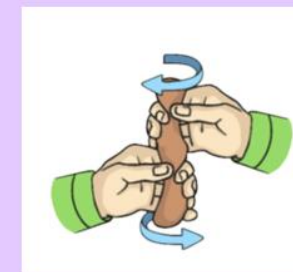
What material is it made from?



**Squash** an object by pushing both hands together.



**Bend** an object by grabbing both ends of the object and bringing the ends Inwards together.



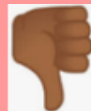
**Twist** an object by turning your hands in opposite directions.



**Stretch** an object by pulling your hands slowly and gently apart.

### Self Assessment

Do you understand how to change the shape of an object?



LQ: Can I investigate how the shapes of objects can be changed?

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TP - Which materials do you think would be easy to change the shape of? Why?

TPS. Which objects do you think would be more difficult to change the shape of? Why?



ruler



rubber bands



paper clip



play doh



ball

Sentence starters:

I predict that I will be able to \_\_\_\_\_ the \_\_\_\_\_.

*Monday 6th October 2025*

*LQ: Can I investigate how the shapes of objects  
can be changed?*

LQ: Can I investigate how the shapes of objects can be changed?

## Task 1

Write your prediction if you think you can **squash**, **bend**, **twist** or **stretch** these objects.

Sentence starters:

*I predict that I will be able to \_\_\_\_\_ the \_\_\_\_\_.*

*I have found out that the \_\_\_\_\_ is \_\_\_\_\_.*



rubber bands



ruler



paper clip



play doh



ball

**Self Assessment**

Do you understand what to do?



LQ: Can I investigate how the shapes of objects can be changed?

## Notes for teacher (next steps)

**(WTS) SEND/PKS** – Can you think of another material that can change shape? *Group discussion adult to scribe pupil's voice.*

**EXP-** What have you noticed about all the objects which change shape?

**GDS-** Why do you think that some objects change and others don't?