

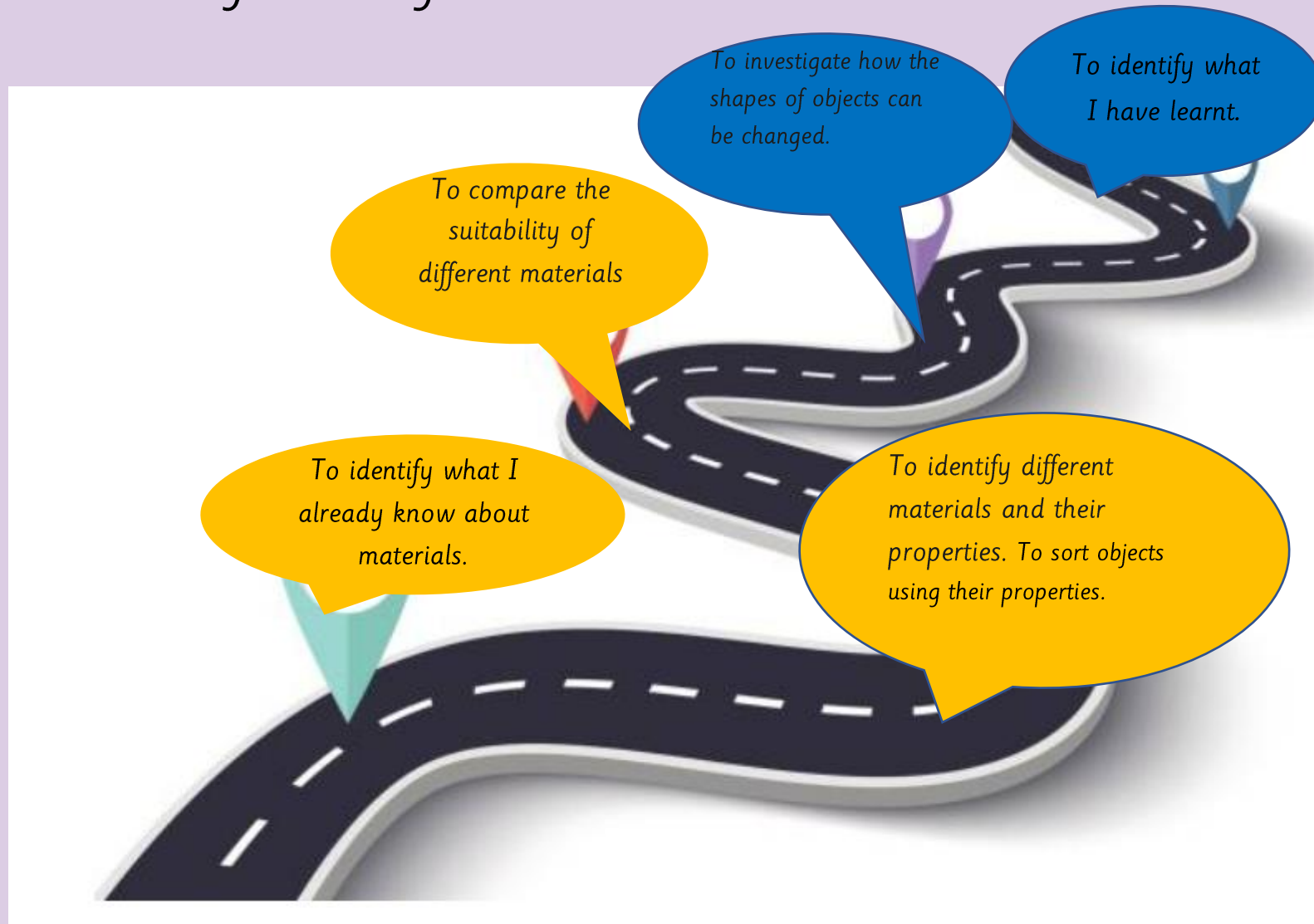
Science

Week 5

Our Science Learning Journey

Key Vocabulary:

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





LQ: Can I compare the suitability of different materials?

Steps to Success

All – I can discuss which properties make some materials suitable/unsuitable for different purposes.



Most – I can explain why different materials can be used to make the same object.

Some – I can compare the suitability of a variety of everyday materials.

STAR WORDS

Materials



Properties



Starter:

Let's have a look at this BBC game

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

LQ: Can I compare the suitability of different materials?

Wednesday 1st October 2025

Recap

TPS. What you know about materials and their uses? Can you give examples?

Stem Sentence:

I know that_____.

Different materials can be used for similar uses. E.g. A rubbish bin can be made out of plastic and metal.

LQ: Can I compare the suitability of different materials?

Wednesday 1st October 2025

Today we are going to discuss why objects are made out of particular materials.



LQ: Can I compare the suitability of different materials?

Wednesday 1st October 2025

TP: What material is a window pane made from?

Stem Sentence:

I think a window pane is made from _____
because _____.



- Glass



TP: Why are window panes made from glass?

TP: What is it about glass that makes it a good material for window panes?

TP: Why wouldn't other materials be suitable?

Use stem sentence:

I think that....

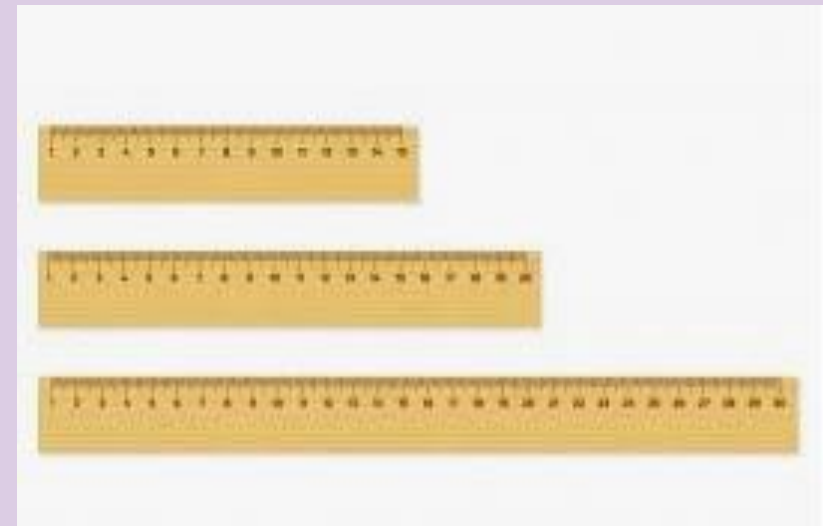
LQ: Can I compare the suitability of different materials?

Wednesday 1st October 2025

TP: Why are rulers made of plastic or wood?

Stem Sentence:

I think that rulers are made of _____ because _____.



Mini group Activity

You have a selection of different spoons on your table

Can you name the materials they are made from?

Do you understand your task?



LQ: Can I compare the suitability of different materials?

Wednesday 1st October 2025



Plastic



Wood



Metal

LQ: Can I compare the suitability of different materials?

Wednesday 1st October 2025

TP: Why do you think spoons are made from different materials?

Spoons are made from different materials because_____.

When would the spoons made from the different materials be used?

They will be used_____.



Who would use them and why?

_____ would use them because_____.

LQ: Can I compare the suitability of different materials?

Wednesday 1st October 2025

Although these materials are all suitable for spoons, the spoon you would choose to use would depend on what you were using it for.

Suitability means having the properties which are right for a specific purpose.

Do you understand what suitability means?



LQ: Can I compare the suitability of different materials?

Wednesday 1st October 2025

TP: Which spoon would you give a toddler to eat their dinner with?

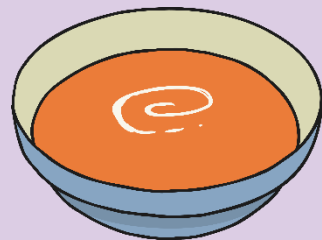
Why?

TP: Which spoon would you use to make a cake with?

Why?

TP: Which spoon would you use to eat soup with?

Why?



LQ: Can I compare the suitability of different materials?

Wednesday 1st October 2025

Metal, wood and plastic are all suitable materials for spoons.



Wood is suitable because it is strong and has a high heat tolerance.



Metal is suitable because it is strong and lasts a long time.



Plastic is suitable because it is light and cheap.

Wednesday 1st October 2025

LQ: Can I compare the suitability of different materials?

Do you understand your task?



Task

Each pair to choose the same picture of object, discuss and compare suitability of the materials. Discuss what other materials would be suitable, and why.



Stem Sentences:

_____ is suitable for houses because _____.

_____ is suitable for a bouncy castle because _____.

_____ is suitable for a car because _____.

_____ is suitable for an umbrella because _____.

Do you understand your task?



Information for teachers.

GD/EXP - Which material would be suitable for a baby's cup. Why?

WTS/SEND/N2E/PKS to work as a group/ in pairs. You have pictures on your table. Discuss which material is suitable for the objects. Some of these objects are made from different materials and some objects could be made from the same material. Write sentences in your book.

Do you understand your task?

