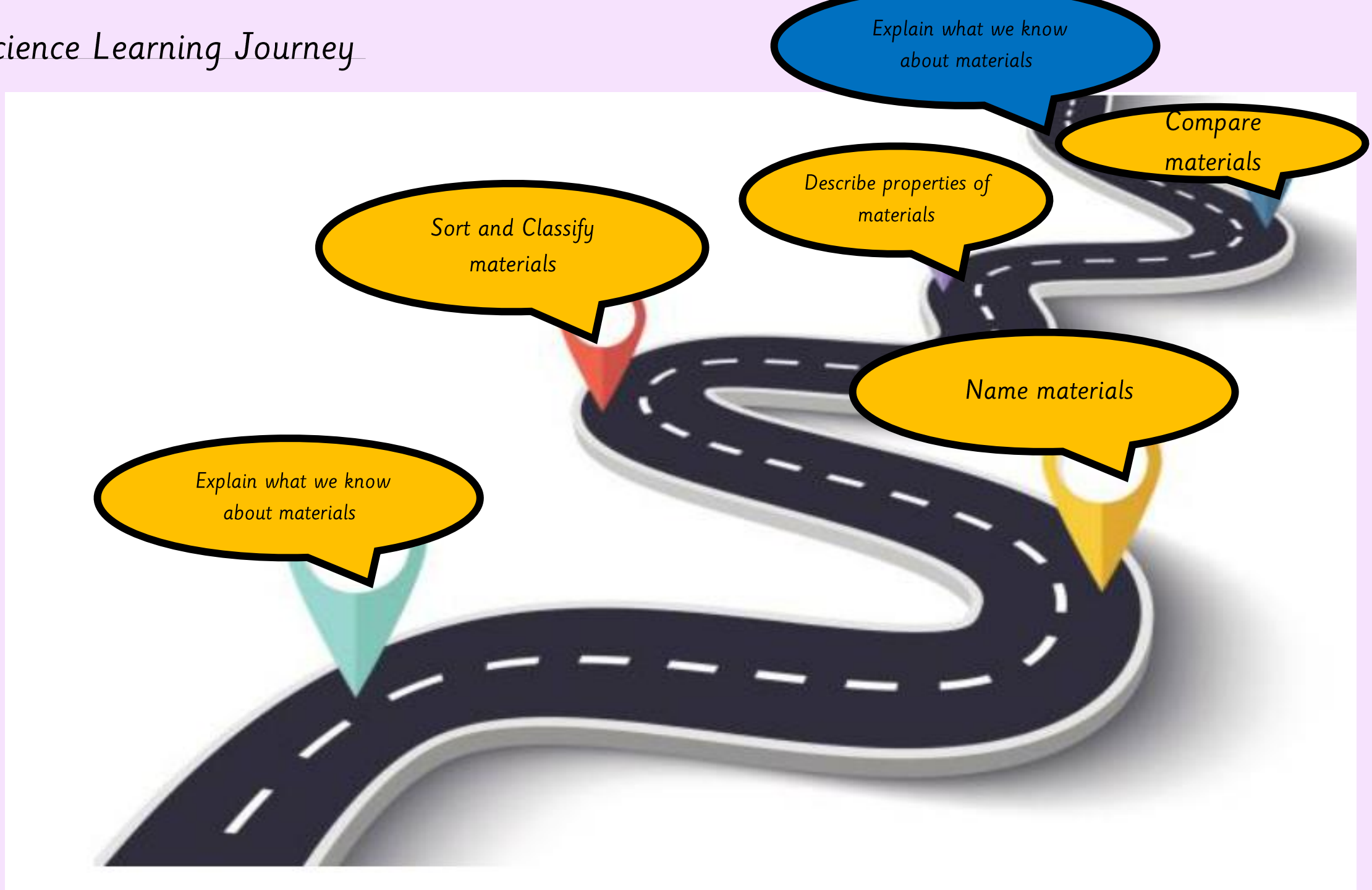
Our Science Learning Journey



Key vocabulary

object material
wood plastic
glass metal
water rock
brick paper
fabric

Monday 8th December 2025

Week 6

Revisit

Monday 8th December 2025

Last week we worked together to find objects in the classroom and grouped them based on their properties.

TP: What did the objects in the same group have in common?

How are the properties the same or different?

"_____ is ____." " A property of ____ is___."

"The ___are different___. ___ are the same___."

Soft

Stretchy

Shiny

Hard

Bendy

Revisit

Monday 8th December 2025

Activities

Test yourself on materials with the activities below.

Activity 1: Quiz

Describing materials

Test your knowledge of materials with this quiz.

Start

[Describing Materials - BBC Bitesize]

Self Assessment

Do you how to describe the properties of a material?

Monday 8th December 2025

LQ: Can I compare materials?

Steps to success

All: I can discuss similarities and differences between materials.

Most: I can identify similarities and differences between materials.

Some: I can compare the suitability of a material's purpose.

Star words

same

different

properties

compare

LQ: Can I compare materials?

Monday 8th December 2025

This week we will be **comparing** materials.

TP – How can we compare materials?

We can compare materials using their properties because they help us to describe materials.

Soft

Stretchy

Shiny

Hard

Bendy

LQ: Can I compare materials?

Monday 8th December 2025

TP: What are the properties of this materials?

- Wood is a natural material. It comes from trees.
- A few things made from wood are:

furniture	boats	instruments	paper

- Wood is used as it can be carved in to any shape, is strong and has a very nice appearance.

Wood is ____ so it cannot break easily, but fabric is ____ so it___.

TP: What are the properties of these materials?

- Fabric comes from plants and animals.
- A few things made from fabric are:

curtains

clothes

towels

Fabric is used as it is very light, warm, soft and quite easy to produce and sew.

Fabric is ____ so it ___, but plastic is ____ so it___.

LQ: Can I compare materials?

Monday 8th December 2025

TP: What are the properties of these materials?

- Plastics are humanly-constructed, mostly from oil.
- Many things made from plastic are:

balls | bottles | carrier bags

Plastic is used as it can be made to be flexible, hard, rough or smooth. It is also very cheap to produce and easily washable.

plastic is ____ so it ___, but glass is ____ so it___.

LQ: Can I compare materials?

Monday 8th December 2025

TP: What are the properties of these materials?

- Glass is made from very fine sand. It is heated until it melts.
- A few things made from glass are:

bottles | light bulbs | glasses | windows

Glass is used as it is strong, hard, smooth, easily washable and transparent.

Glass is ____ so it ___, but metal is ____ so it___.

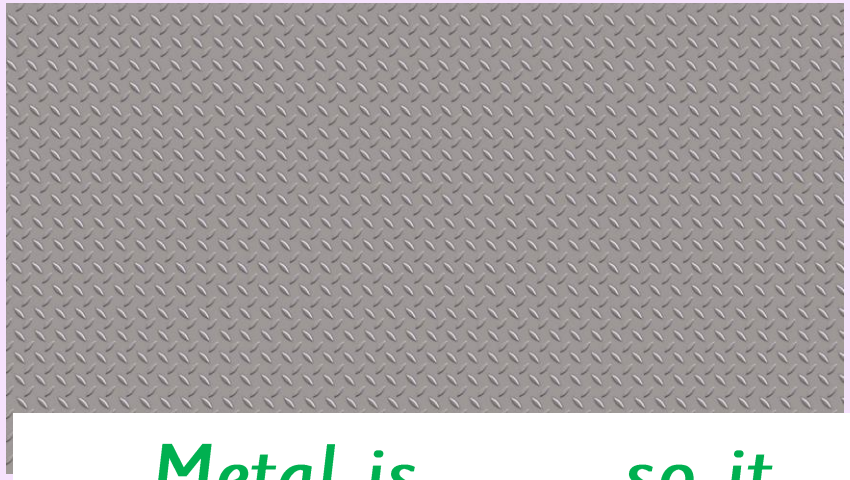
LQ: Can I compare materials?

Monday 8th December 2025

TP: What are the properties of these materials?

- Metals are made from rocks. The rocks are dug up and taken to a factory where they are heated and processed into metal.
- A few things made from metal are:

jewellery | cutlery | cars



Metal is used as it is strong, hard, smooth and easily washable.

Metal is ____ so it ___, but plastic is ____ so it___.

Self Assessment

Do you understand how to compare materials?

LQ: Can I compare materials?

Monday 8th December 2025

Task

Write sentences comparing the properties of materials.

For example:

Wood is hard because it is used to make heavy things but fabric is soft so we can't use it for a chair.

Stem sentences:

Metal is strong so it cannot break easily but…

Fabric is ____.

Glass is____ so it…, but plastic is ____.

Self Assessment

Do you understand the task?