

Tell your partner some examples of
different everyday materials.

Read the words and definitions on your table.
Can you match the cards?

flexible

rigid

waterproof

absorbent

opaque

transparent

Can you think of different materials that could be described using these terms?

flexible

rigid

waterproof

absorbent

opaque

transparent

Which is the odd one out?



Today we are going to be carrying out an investigation linked to a property of different materials.

What happens to some clothes when you wear them a lot?
Think about old socks!

Does this happen with all clothes?

Materials are chosen for different purposes.



As we know, Traction Man loves to wear different outfits and suits.



He has asked us to carry out a special mission. He wants a new suit for wearing in the woods so it needs to last for a long time and stand wear and tear. It needs to be **durale**. We need to test different materials.

We need to test a range of different materials to see which is the most durable and therefore best for Traction Man's new suit.

How could we carry out a test to see which material is most durable?

Look at the materials on your table. First you need to make a prediction.



I think that _____ will be most durable
because _____.

We need to make sure that our test is fair.

- Each piece of fabric needs to be treated the same
- Each piece of fabric needs to be the same size



Results

Fabric	Number of rubs with sandpaper before a hole appeared
Denim	
Sweatshirt	
Cotton vest	
Felt	
Lycra	

