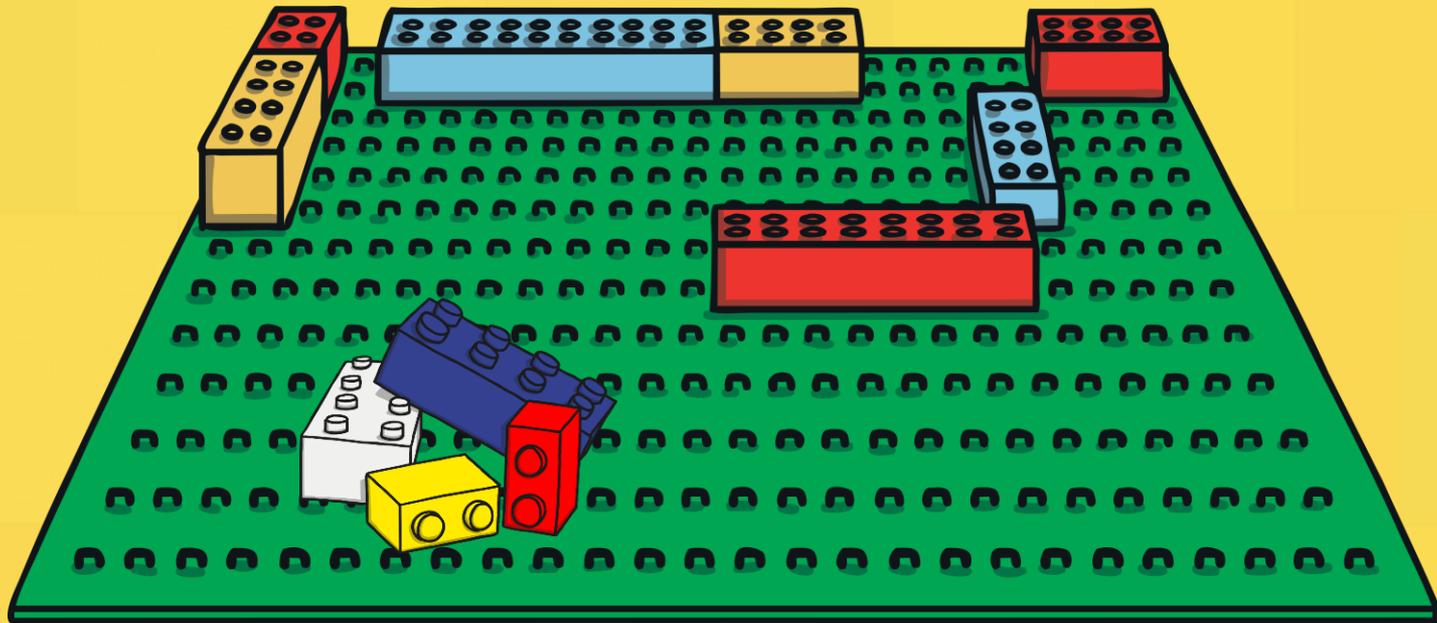


Lego



Aim

- I can describe the properties of Lego.
- I can think about why Lego is made out of plastic.

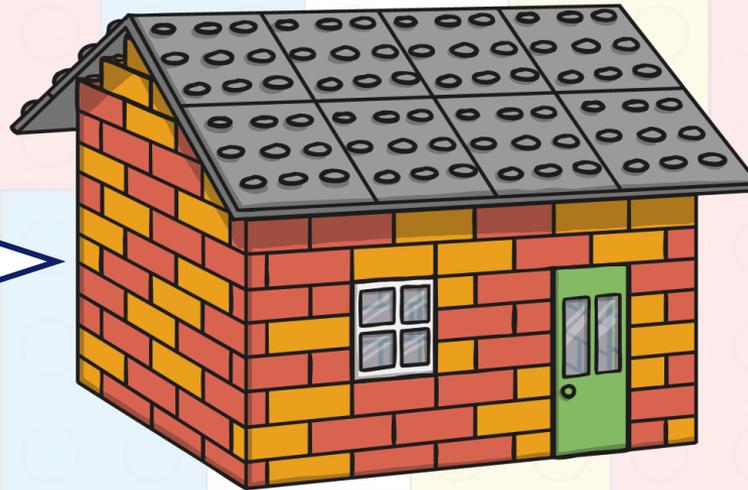
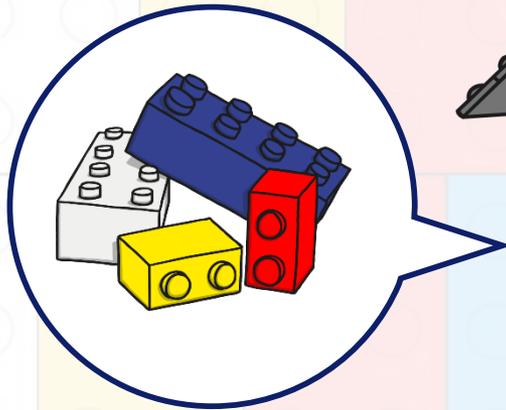
Success Criteria

- I can name and identify the material that Lego is made from.
- I can observe and describe the properties of the material that Lego is made from.
- I can think of reasons why Lego is made out of plastic.
- I can explain my ideas by talking about the properties of materials.

Lego



Lego toys, bricks and figures can be used to build amazing buildings, machines and vehicles. Have you ever played with Lego?



Today we are going to find out about who invented Lego, and think about the material that Lego is made from.

Who Invented Lego?

A man called Ole Kirk Christiansen started making connecting bricks in 1949. This is a very long time before you were born - even before your parents were born!

Ole lives in a country called Denmark, and he named his toy company 'Lego' because it sounds like the Danish words 'leg godt', which means 'play well'.

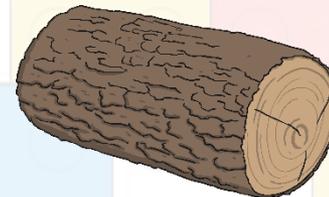
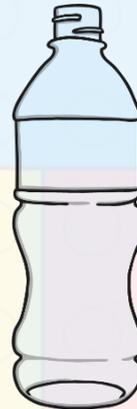
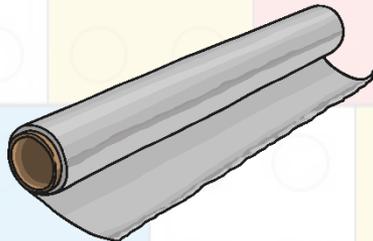
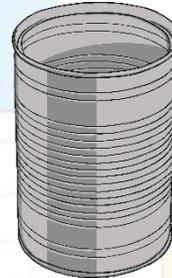
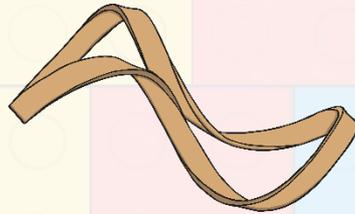
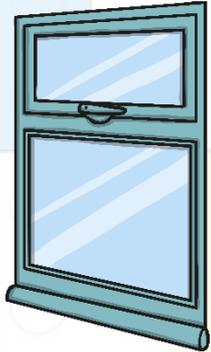
Do you think this is a good name for Lego toys?



What Material Is Lego Made From?



Can you remember the names of any everyday materials?
Look at the pictures below to help you.



What Material Is Lego Made From?



Which material do you think Lego is made from?
Do you think this is a good choice of material? Why?



plastic

Lego is made from a special sort of plastic. Over 400 billion Lego bricks have been made out of plastic since Ole started making the first bricks!

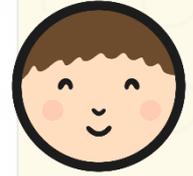
How is Lego Made?



Go to <https://www.youtube.com/watch?v=wnRRDIFNxoM> and watch how Lego is made.



How Is Lego Made?

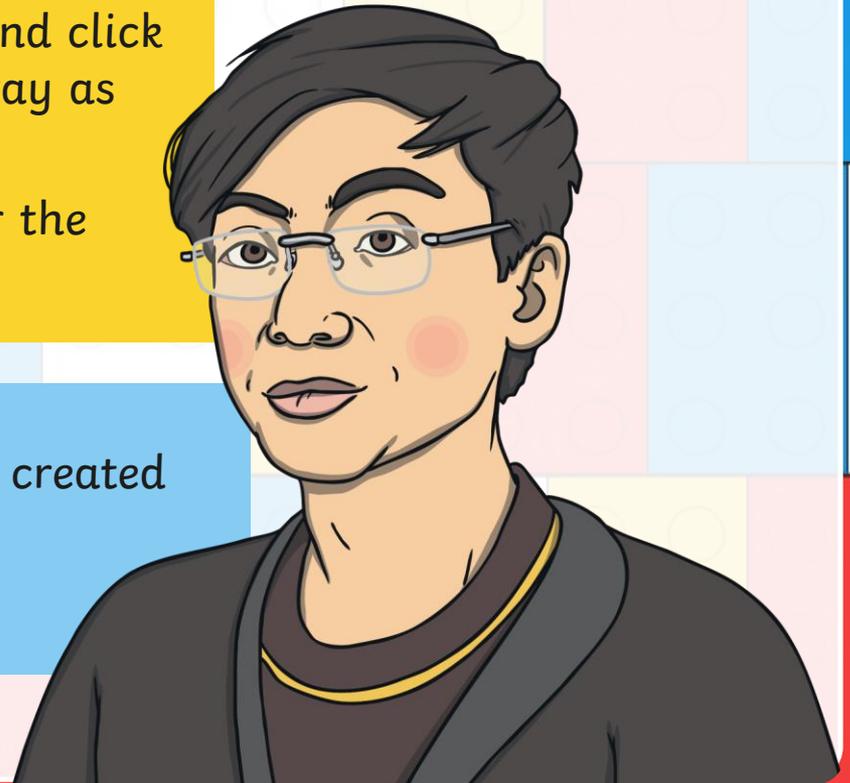


Lego started as a simple brick; it now there are almost 9000 different pieces available!

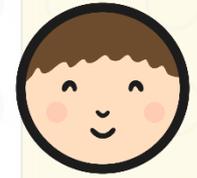
All of the pieces are made of plastic and click onto other pieces in the exact same way as the original design.

There are now designers from all over the world creating new pieces and sets.

For example, designer Lami Phan has created special pieces to make house building more creative.



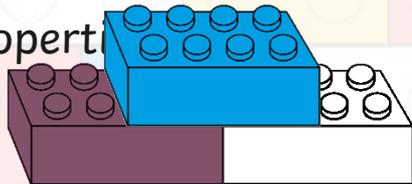
Properties of Plastic



Do you wonder why Ole Kirk Christiansen chose to make Lego out of plastic? Why didn't he use wood, metal, or even glass?

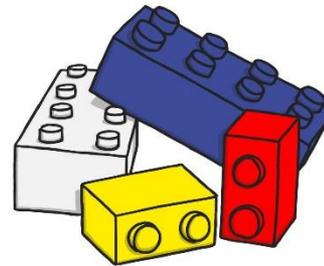
Think about the properties that plastic has, and complete your Plastic Properties Activity Sheet.

Observe the Lego pieces on your table to help you describe the properties of plastic.



Plastic Properties

Write words to describe the properties of plastic around the Lego bricks. Use the words at the bottom of the page to help you.



hard	bendy	stretchy	not bendy	absorbent	dull	waterproof	shiny	not waterproof
not absorbent		rough		smooth		stiff		soft



Perfect Plastic



Look at the properties of plastic you have chosen on your sheet. Talk to your partner about why this makes plastic the perfect material for Lego.

Think about:

- why it is good for Lego to be **hard**;
- why Lego needs to be **lightweight**;
- why it is useful for Lego to be tough and hard-wearing.

Aim



- I can describe the properties of Lego.
- I can think about why Lego is made out of plastic.

Success Criteria

- I can name and identify the material that Lego is made from.
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