

Year 1 Science Everyday materials

Summer 1 Week 4

W/C 18th May 2020

LO: to explore the different uses of materials

<https://www.bbc.co.uk/bitesize/topics/z4339j6/articles/zx8hhv4>

Success Criteria:

1. Answer the QUIZ questions
2. Choose some household items
3. Make a house
4. Test the house
5. Tell us what you found out!

EVERYDAY MATERIALS QUIZ

1. Which of these materials is suitable for making gloves?

- a. paper
- b. wool
- c. glass



2. Which of the following properties would describe glass?

- a. rough and bendy
- b. soft and stretchy
- c. hard and see through



3. Paper is a good material for

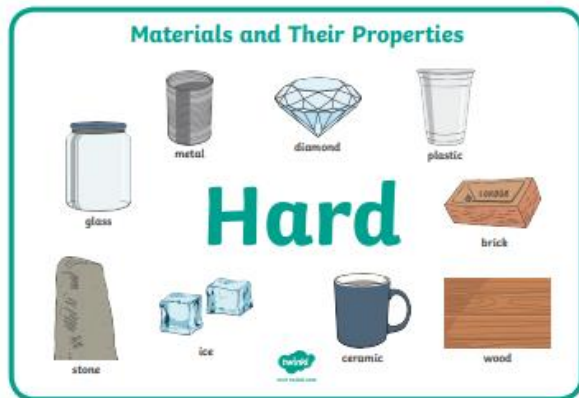
- a. wrapping presents
- b. making a chair
- c. making an umbrella

4. A good material for making an umbrella should be:

- a. heavy and rough
- b. light and waterproof
- c. absorbent and shiny



What does the word property mean?



Glossary

Transparent = see through Hard = strong Soft = squashy stretchy Waterproof = something that keeps water out
Absorbent = soaks up water flexible = bendy fragile = breaks easy

Other properties

rough smooth dull warm stretchy heavy light bumpy liquid flat

Challenge: Can you talk about what makes materials ideal/ good or bad for a job

<https://www.youtube.com/watch?v=CtP83CWOMwc>

Who didn't choose the right materials?



This week you are going to make a house for the three pigs out of the objects you have at home

Allow your child to explore the different materials and encourage them to talk about them using the vocabulary they have been learning about when looking at materials. Get your child to verbalise how the materials feel and behave, asking questions such as: *does it feel soft? Strong? Will it be good material for building a house? Will it blow down when the wolf blows? Why will it blow down? What useful properties do the materials need to have, to be good materials for house building?*

YOU WILL NEED: (choose 3 different materials for your house)

sticks or twigs, playing cards, lollipop sticks, lego, (shoe) boxes, cushions, scissors, tape, glue, playdough and a hairdryer (for the wolf's huffing and puffing)

What material do you think would be the best for building a house for the three pigs?

LO: Design and test

Materials used	Design	waterproof	strong

Results

What did you find out?

Which material was most successful for the house and why?



Word bank: best, worst, material, work/worked, strong, weak, **because**