

Chacewater School – LEAP into Learning – Autumn 1 – Seedlings

Science: Everyday materials

Our enquiry: Which materials should the Three Little Pigs have used to build their houses?




What I might already know: I can name some materials and explain why they are used.




Everyday materials and their properties

Wood:



Hard, strong

Plastic:



Strong, shiny, bendy

Rock:




Hard, strong, rigid

Metal:




Hard, strong, shiny

Glass:



Transparent, smooth, brittle

Water:



Runny, wet, clear



Vocabulary

Hard
Not easy to break

Soft
Easy to fold, cut or change shape

Stretchy
Can be made longer or wider without breaking

Brittle
Hard, but may break easily

Shiny
Reflects light easily

Dull
Not very shiny or bright

Squashy
Easily crushed or squeezed

Rough
Has an uneven surface

Smooth
An even surface with no lumps or bumps

Bendy
Can be bent easily

Waterproof
Keeps water out

Absorbent
Easily soaks up liquid

Transparent
Easy to see through

Opaque
Cannot be seen through



Key facts!

- You can tell different materials apart by feeling them. Are they hard or soft, flexible or stiff?
- Materials are used for different reasons. Some materials are better than others for certain objects; for example, metal shoes wouldn't be very comfortable to wear and a cardboard door wouldn't be very strong!
- An object can be made out of different materials used together; for example, a chair can be made from metal and wood. A pencil is made from wood and lead.

What we will be learning:

- How to carry out an investigation to find out which materials would be the most suitable to build a strong house.
- Testing materials to find out which ones are waterproof.
- Observation overtime – what happens to ice if we leave it on the windowsill?

