# 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

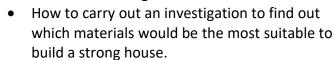
**Opaque** 

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:



- Testing materials to find out which ones are waterproof.
- Observation overtime what happens to ice if we leave it on the windowsill?



