

Year 2– Knowledge Mat– *Science— Victorian Bristol (One Snowy Night)*

Subject Specific Vocabulary

Word	definition
materials	Materials are what objects are made from.
suitability.	Suitability means having the properties which are right for a specific purpose
properties	This is what a material is like and how it behaves (soft, stretchy, waterproof).
rough	If something is rough, it feels and looks uneven or bumpy.
smooth	Smooth objects have no lumps or bumps.
rigid	Does not bend
Flexible	Is bendy
Waterproof	If something is waterproof, it keeps water out. It keeps things dry.
Absorbent	If something is absorbent, it soaks water up.
insulated	Surround an object with a material to stop heat, sound or electricity from escaping.
Thermometer	An instrument that measures temperature.

Sticky Knowledge

- To name different materials used to make different products. E.g. clay to make bricks and mugs.
- To notice and describe similarities and differences between materials.
- Identify, group and classify materials by own criteria.
- Observe and record effectiveness of a material for making a warm coat. (Use simple equipment to observe changes over time. Being able to gather and record data .)
- Identify and compare suitability of materials for a particular use
- Observe and record changes in temperature using different materials for insulation

Properties of Materials

	wood: hard, stiff, strong, opaque, can be carved into any shape.		glass: waterproof, transparent, hard, smooth.
	plastic: waterproof, strong, can be made to be flexible or stiff, smooth or rough.		metal: strong, hard, easy to wash.
	paper: lightweight, flexible.		cardboard: strong, light, stiff.
	fabric: soft, flexible, hard-wearing, can be stretchy, warm, absorbent.		rubber: hard-wearing, elastic, flexible, strong.

Interesting Books



Important Facts to be learnt by the end of the Victorian Bristol topic

That temperature can increase or reduce with time depending on the ambient temperature and this can be affected by different materials.

- identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses
- find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.