

# The Spring Partnership Trust– Knowledge Organiser

Science Focus	Everyday materials	Year 1	Spring
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## What? (Key Knowledge)

Materials	<ul style="list-style-type: none"> <li>Materials are all the 'stuff' that objects are made from.</li> <li>We create objects by treating and shaping materials in different ways.</li> </ul>
Properties	<ul style="list-style-type: none"> <li>All materials have characteristics that we associate with them. These are their properties.</li> <li>Properties of materials can be changed through heating, cooling and other methods.</li> </ul>
We can use our 5 senses to explore materials	<ul style="list-style-type: none"> <li>Our 5 senses are: touch, taste, smell, sight and hearing.</li> <li>We touch using our skin (usually our hands)</li> <li>We taste using our tongues by putting something in our mouth</li> <li>We smell by using our nose</li> <li>We see using our eyes</li> <li>We hear using our ears</li> </ul>

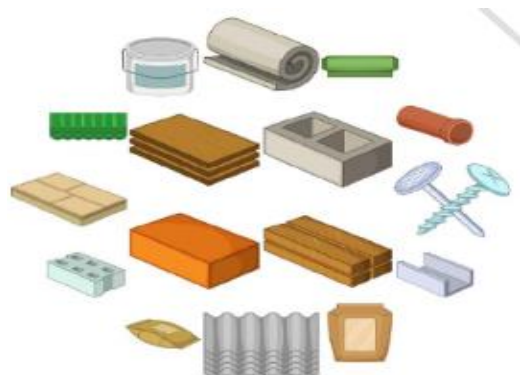
## • Statutory requirements

- Distinguish between an object and the material from which it is made.
- Identify and name a variety of everyday materials, including wood, plastic, glass, water and rock.
- Describe the simple physical properties of a variety of everyday materials.
- Compare and group together a variety of everyday materials on the basis of their physical properties.

## What? (Key vocab)

Spelling	Definition
Material	The matter from which a thing is or can be made. Examples include: wood, plastic, glass, metal, water, rock, brick, fabric, sand, paper, flour, butter, milk, soil.
Property	An attribute, quality or characteristic of something. Examples include: hard/soft, stretchy/not stretchy, shiny/dull, rough/smooth, bendy/not bendy, transparent/not transparent, sticky/not sticky.
Texture	The feel, appearance, or consistency of a surface or a substance. Examples include: smooth, rough, sharp, abrasive.
State	The physical condition of something. Examples include: solid, liquid, gas.

## Pictures and Diagrams



## Possible experiences

- Finding and classifying objects around the classroom according to the material from which they are made
- Feely bags of different textures to explore
- Sorting objects according to property
- Observing changes in materials through heating and cooling (freezing water to make ice, melting chocolate, 'Will it melt?' experiments)
- Observing changes through cooking (baking biscuits, making ice cream)
- Simple tests (making the best umbrella, Humpty Dumpty crash mats)