



Science- Everyday materials (Year One).

This topic uses the local environment to continue encourage children to ask questions, explore and answer questions the world around them. They will investigate the properties of man-made and natural materials.

Key Skills

To distinguish between an object and the material from which it is made.

To identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock.

To describe the simple physical properties of a variety of everyday materials.

To compare and group together a variety of everyday materials on the basis of their simple physical properties.

Key Knowledge



wood: hard, stiff, strong, opaque, can be carved into any shape.



glass: waterproof, transparent, hard, smooth.



plastic: strong, waterproof, 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: flexible, hard-wearing, can be stretchy, soft, warm, absorbent.



rubber: hard-wearing, elastic, flexible, strong.

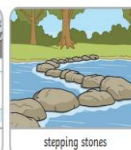
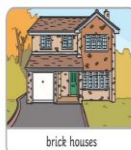
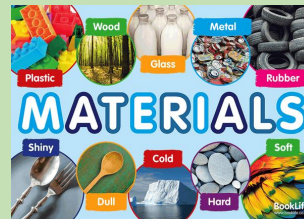
Key Vocabulary

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).

Properties of Materials

hard			waterproof
soft			absorbent
rough			stiff

Key reading



Sticky knowledge:

1. Know that plastic, glass, paper, material and concrete is man-made but often using natural products.
2. Know that sand, cotton, wood, wool and rock is found naturally and used in this state.
3. Beeswax, wax, rubber and plastic are waterproof materials.
4. Plants, rubber, leather, plastic, paper and fabric are all flexible materials.
5. Stone, diamond, wood and brick are all strong materials.

Squash an object by pushing both hands together.



Bend an object by grabbing both ends of the object and bringing the ends inwards together.



Twist an object by turning your hands in opposite directions.



Stretch an object by pulling your hands slowly and gently apart.

