






SMRP Science Knowledge Organiser for Year 2: Every Day Materials







Science Knowledge

Wood	Metal	Rock	Glass	Plastic
Strong and hard. Perfect for...	Strong and hard and shiny. Perfect for...	Can be hard or soft. Perfect for...	Can be hard, strong or durable. Perfect for...	Can be strong and water-proof. Perfect for...
				

It is important that objects are made from a suitable material. Some **materials** can be used for more than one thing. **Wood** can be used for floors, chairs, and doors.

Some **materials** are even used for the same thing. Spoons can be made from **plastic, wood or metal** but not normally from **glass**.

			
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.
squashing	bending	twisting	stretching
Pressing, squeezing and crushing so that something becomes flat or changed into a different shape. We might use this when we are baking or using clay.	Changing something that is straight into a curve or at an angle. We might use this when we are bending a wire.	Make into a curled shape by holding and move round in different directions at the same time. We might use this with a piece of paper or material.	Pulling something to make it wider or longer without tearing. We might use this to flatten something out or when making pizza dough.

Materials can be changed by **squashing, bending, twisting** and **stretching**. Shapes can also be changed by **squashing, folding, bending, twisting** and **stretching**.

Science Vocabulary

Word	Definition
stretching	To make something longer (something <i>soft</i> or <i>elastic</i>)
twisting	Turn or <i>bend</i> into a specified position
bendy	Shape or force something <i>straight</i> into a curve.
squashing	Crush or squeeze (something) with force so that it becomes <i>flat, soft, or out of shape</i>
stiff	Not easily <i>bent</i> or changed in shape
dull	A <i>dull</i> colour or light that is not bright
shiny	<i>Shiny</i> things are bright and <i>reflect</i> light.
stretchy	That can be <i>stretched</i> out like <i>elastic</i> .
flexible	capable of bending easily without
opaque	Not be able to be seen through.
transparent	Light completely passes through it.
translucent	letting only some light through

Paper	Brick	Fabric
Can be folded and shaped . Perfect for...	Is hard, strong and durable. Perfect for...	Is soft, flexible and can be absorbent. Perfect for ...
