

Topic 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, hard, waterproof).

hard - Not easily broken or bent.

soft - If something is soft, it is easy to cut, fold or change shape.

stretchy - Can be pulled to make it wider or longer without breaking.

shiny - Reflects light easily.

dull - Doesn't reflect light. Doesn't look bright or shiny.

rough - It feels bumpy and uneven.

smooth - Has no lumps or bumps.

bendy - Can be bent easily into a curved or folded shape.

rigid - Cannot be bent easily and is not flexible.

waterproof - It keeps water out and keeps things dry.

absorbent - It soaks liquid up.

transparent - Object that can be seen through.

opaque - Object that can't be seen through.

Spring Term Science

Learning Grid for Year 2

Uses of Everyday Materials

Science facts to learn

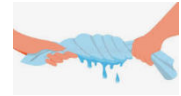
You can **squash** an object by pushing both hands together.



You can **bend** an object by grabbing both ends of an object and bringing the ends inward together.



You can **twist** an object by turning your hands in opposite directions.



You can **stretch** an object by pulling your hands slowly and apart.



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



glass: waterproof, transparent, hard and smooth.



plastic: waterproof, strong, can be made flexible or stiff, smooth or rough.



metal: strong, hard and easy to wash.



Home Learning Challenge Ideas

Can you create a poster or fact file about the properties of different materials you might find at home?

Can you go on a material hunt around your house? You might want to take photos and write down what different objects are made from.

Can you choose a few objects in your house and say what material they are made from and why it is a suitable material?

We would love to see any of your own topic work that you choose to do at home so you might do something completely different. We are looking forward to sharing it together and displaying it on the Beechwood website.

Useful Weblinks

<https://www.bbc.co.uk/bitesize/topics/zsrfvwx/year/z7s22sg>

https://kids.kiddle.co/Materials_science