

# Materials

Year 1



We are on the second week of our toy project. This week we will be learning about different types of materials and learning about their properties.

The properties of a material make it really good for the job that they do and need to be thought about when designing a toy. For example would it be a good idea to make a cuddly teddy out of metal? Or a ride on toy car from paper?



The image features a white background with abstract green geometric shapes. On the left, a solid green triangle points downwards. On the right, a complex arrangement of overlapping green triangles and polygons in various shades of green is visible. A thin, light gray line extends from the bottom right towards the center of the page.

Lets explore!

# Materials

- We use wood, metal, plastic, glass and fabric to make most everyday objects.
- Different materials have different properties.
- Materials can be natural or man-made.

Here are a few facts about some materials...





# Wood

- Wood is a natural material. It comes from trees.
- A few things made from wood are:

furniture

boats

instruments

paper

- Wood is used as it can be carved in to any shape, is strong and has a very nice appearance.



# Fabric

- Fabric comes from plants and animals.
- A few things made from fabric are:

curtains

clothes

towels

- Fabric is used as it is very light, warm, soft and quite easy to produce and sew.





# Plastic

- Plastics are man-made, mostly from oil.
- A few things made from plastic are:

balls

bottles

carrier bags

- Plastic is used as it can be made to be flexible, hard, rough or smooth. It is also very cheap to produce and easily washable.



# Metal

- Metals are made from rocks. The rocks are dug up and taken to a factory where they are heated and processed into metal.
- A few things made from metal are:

jewellery

cutlery

cars

- Metal is used as it is strong, hard, smooth and easily washable.





# Glass

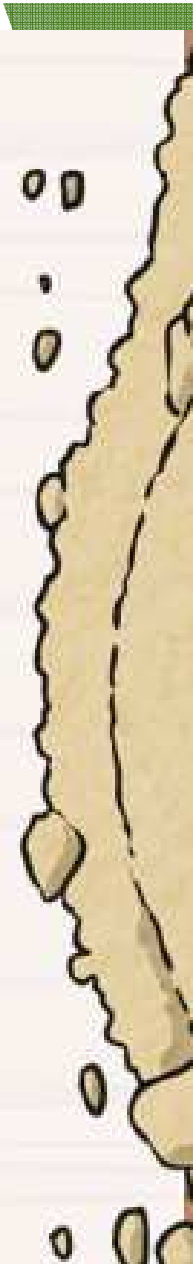
- Glass is made from very fine sand. It is heated until it melts.
- A few things made from glass are:

bottles

light bulbs

glasses

- Glass is used as it is strong, hard, smooth, easily washable and transparent.



### Materials and Their Properties



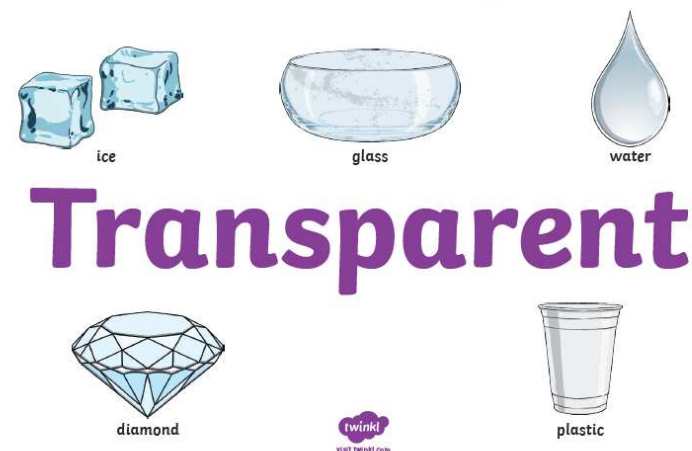
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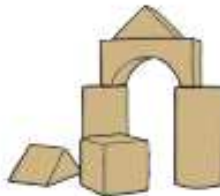
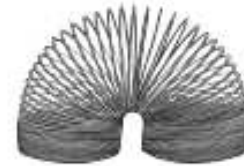
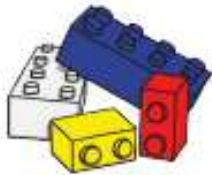


### Materials and Their Properties



## Sorting Toys

Cut out the pictures and stick them in the right group.





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plastic

metal

wood