Year 2 Science Chemistry: Materials

What we already know

In year 1 we identified what an object was and the materials from which they are made. We discussed that materials can be made from either a natural resources or a man-made resource.

Vocabulary

Tier 1	Tier 2	Tier 3
Hard, soft, wood, brick, glass, foil	Object, water, fabric, stretchy, cardboard, brakes, tears	Material, waterproof, absorbent, opaque, transparent

Plastic

Plastic can be used for raincoats, boxes, toys, carpets, stretchy clothes, protective wear, pens and felt-tips.

Plastic is used as it can be made to be flexible, hard, rough or smooth.

Plastic Pollution

Plastic can be helpful and harmful.

Plastic doesn't break down easily.

Plastic can be dangerous to the environment.

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Plastic can be dangerous to the environment.

We can recycle plastic and not use too much to look after the environment.

Wood, Paper and Cardboard

Wood is a natural material. It comes from trees.

Paper comes from trees.

Paper is flexible, cardboard is strong, wood is solid.

Wood can be used for a boat, table, chairs and toys.

Brick and Rock

Bricks are a type of building material typically made of concrete, sand, lime, or clay.

Bricks and rocks are used to make houses and other buildings.

Bricks and rocks are strong, hard and heavy.

Metal

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

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