

Materials- Year 2 Knowledge Organiser

What should we already know?

- What recycling it.
- What sort of items float, and what sort of items sink.



Key Knowledge

- Recycle means to use things that have already been used to make new things.
- Over 55% of our rubbish at home could be recycled.
- Some plastics can take up to 500 year to decompose.
- Glass is 100% recyclable and can be recycled repeatedly.
- Some materials are manmade, and some materials occur naturally.

Key Skills:

- Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses.
- Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.

Key Vocabulary

Material: substance used to make things.

Property: a characteristic of something.

Transparent: objects behind can be seen clearly.

Translucent: a material which allows light to pass through but is not clear.

Opaque: a material which does not allow light to pass.

Squashing: pressing, squeezing and crushing something so that it changes shape.

Bending: changing something that is straight into a curve or at an angle.

Twisting: make into a curled shape by holding and move around in different directions at the same time.

Stretching: pulling something to make it wider or longer without tearing.

Assessment

- Observe how shapes of solid objects can be changed by squashing, bending, twisting and stretching.
- Compare two different materials for a particular use.
- Explain how shapes of solid objects can be changed by squashing, bending, twisting and stretching.
- Compare several different materials for a particular use.
- Make predictions about how shapes of solid objects can be changed by squashing, bending, twisting and stretching.
- Compare several different materials for a particular use, and offer reasoned arguments.

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1. What is a material?

2. How much of our rubbish can be recycled?

3. Name three things that can be recycled:

4. What is the difference between manmade and natural?

5. What does transparent mean?
