



KNOWLEDGE ORGANISER

SCIENCE: MATERIALS SHAPING UP

YEAR TWO

KEY KNOWLEDGE:

QUESTION 1: Can Solid materials change shape?

Some solid materials can be hit or squashed into different shapes without breaking. They are known as malleable materials. Other solid materials such as biscuits or glass will not bend but break and split. These materials are called brittle.

QUESTION 2: What is a push / pull and what do they do?

ANSWER

Forces are just pushes and pulls in a particular direction.

Forces are shown by arrows in diagrams. The direction of the arrow shows the direction in which the force is acting. The bigger the arrow, the bigger the force.

If two forces are balanced, it means the forces are the same size but are acting in opposite directions.

Balanced forces do not change motion

If two balanced forces are acting on an object, that object will not change its motion.

- If it is still, it will stay still.
- If it is moving, it will continue moving, in the same direction and at the same speed.

