



Y1 - materials

SCIENCE KNOWLEDGE ORGANISER



ESSENTIAL VOCABULARY

Material names:

wood, plastic, glass, metal, water, rock, brick, paper, fabric, elastic, foil, card/cardboard, rubber, wool, clay,

Words to describe the materials:

hard, soft, stretchy, stiff, bendy, floppy, waterproof, absorbent, breaks/tears, rough, smooth, shiny, dull, see-through, not see-through

Float - stay on the surface of the water

Sink- go down below the surface



STEM SENTENCES

- The object is
- The material is
- I think, I know

KEY QUESTIONS

- What is this made of?
- Do you know any other objects made from this?
- Can you think of any words to describe it?
- Which group does this object belong to?
- Can you think of a way to sort these objects?
- What happens when you put materials into water?
- Why don't enormous ships sink?
- What shapes can we make that float?

Investigations

- How can we sort these materials into different groups?
- Which material will be good to make a hat?
- Which material will be good to make a boat?
- Which shape will be good to make the boat float?



LINKS TO PREVIOUS LEARNING

Use all their senses in hands-on exploration of natural materials.

(Nursery

- Materials, including changing materials)

- Explore collections of materials with similar and/or different properties.

(Nursery - Materials, including changing materials)

- Talk about the differences between materials and changes they notice.

(Nursery - Materials, including changing materials)

