

What should I already know?

- Distinguish between an object and the material from which it was made.
- Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water and rock
- Describe the simple physical properties of a variety of everyday materials
- Compare and group together a variety of everyday materials on the basis of their simple physical properties

Scientific Skills:

- Collect data about materials and their properties and record what has happened.
- Describe their observations using some scientific vocabulary.
- Identify key features of materials and their properties.
- Compare objects based on their properties.
- Suggest different experiments to find out which material is most suitable.
- Make observations relevant to their task and be able to predict from their own knowledge.

Key Vocabulary and Definitions:

Classify	Sort into a different group or category.
Compare	To examine for similarity or differences
Experiment	A carefully planned test used to find out the answer to something you don't know.
Investigate	To look at or explore something carefully to learn the facts about it.
Material	Anything used for building or making something else.
Observation	Noting down something you have seen happening.
Predict	To use your knowledge to say what you think will happen before that thing happens.
Properties	words that describe what the material is like. Is it rough or smooth, hard or soft?
Suitability	Being the correct material for the job it is needed for.

Teaching Sequence

1. To identify and compare the suitability of different everyday materials.
2. To explain how the shapes of objects made from some materials can be changed.
3. To identify and compare the suitability of different everyday materials for particular uses and apply this to an experiment. (Application through an experiment)