

That objects can be composed of different materials and describe...

recognise that objects can be composed of different materials and describe the observable properties of those materials

Learning intention

- recognise that objects can be composed of different materials and describe the observable properties of those materials

Teach and model

- observing and manipulating objects to identify the materials they are made of and recognising that some objects are made of more than one type of material
- recognising that tools such as magnifying glasses enable more-detailed observations
- sorting and grouping materials based on observed properties such as colour, hardness, texture and flexibility

Check understanding

- Explain the main idea in that objects can be composed of different materials and describe... using an example.
- Show the idea in a second way: with words, a model, a diagram or symbols.
- Apply the idea to a short unfamiliar situation and justify the result.

Teaching cautions

- Ask the student to explain their choice, not only state an answer.
- Check that key vocabulary is understood in a new example.
- Mix representations so the skill is transferred rather than copied.

Quick lesson sequence

- Connect to prior knowledge and introduce the key vocabulary.
- Model one clear example, then solve a second example together.
- Finish with an independent check and a short student explanation.