

Examine the properties of natural and made materials including fibres...

examine the properties of natural and made materials including fibres, metals, glass and plastics and consider how these properties influence their use

Learning intention

- examine the properties of natural and made materials including fibres, metals, glass and plastics and consider how these properties influence their use

Teach and model

- identifying and naming materials in the classroom, and grouping objects made of similar materials or combinations of materials
- exploring vocabulary for describing properties; observing different fibres, metals, glass and plastics; and using appropriate terms to describe, compare and...
- investigating familiar objects, such as shoes, drink containers or backpacks, examining the combination of materials from which they are made and suggesting reasons for...

Check understanding

- Explain the main idea in examine the properties of natural and made materials including fibres... 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.