

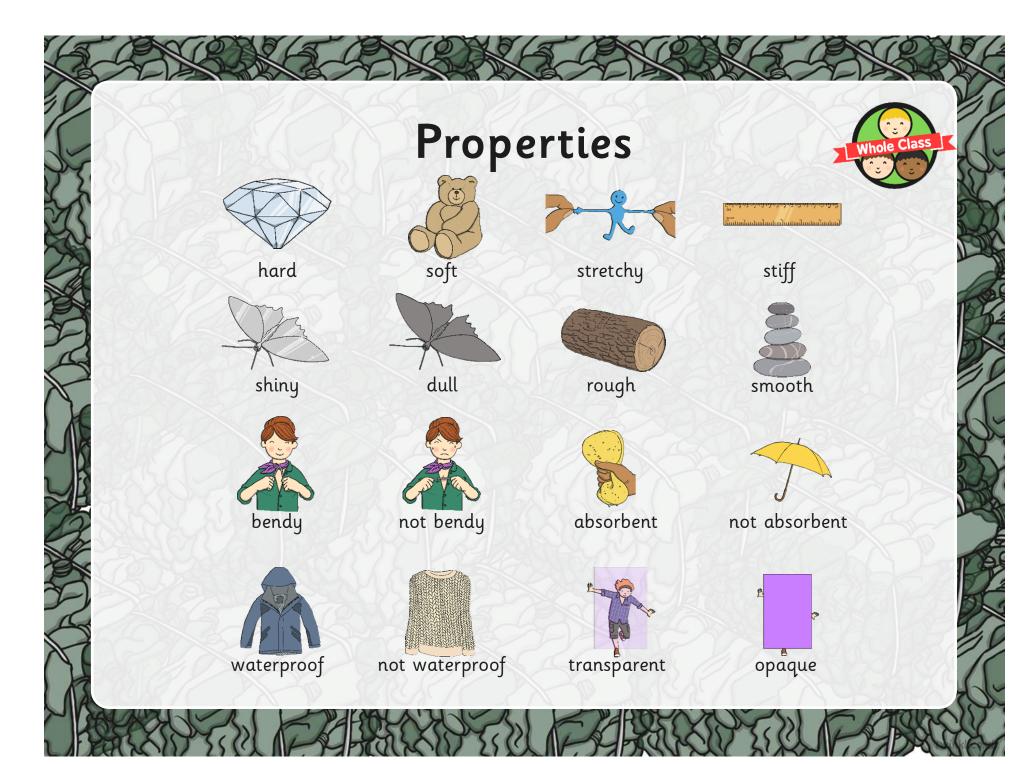




• I can compare the suitability of different everyday materials.

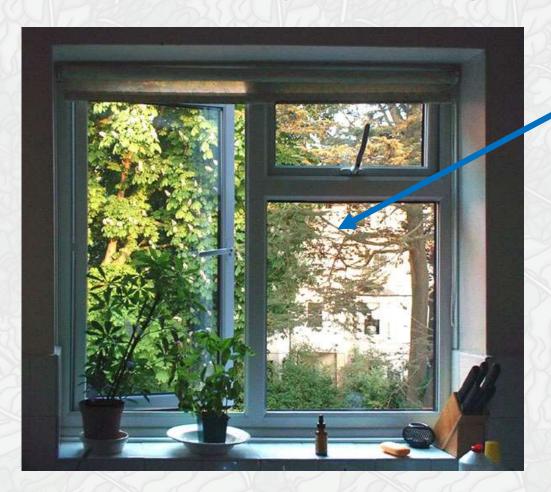
Success Criteria

- I can explain why different materials can be used to make the same object.
- I can tell you which properties make some materials suitable for different purposes.
- I can tell you which properties make some materials unsuitable for different purposes.



Reasons for Using Materials





glass

Why are window panes made from glass?

What is it about glass that makes it a good material for window panes?

Why wouldn't other materials be as suitable?

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Reasons for Using Materials



Which material do you think is best to make a ruler from? Why?

When might a plastic ruler be more suitable?

When might a wooden ruler be more suitable?

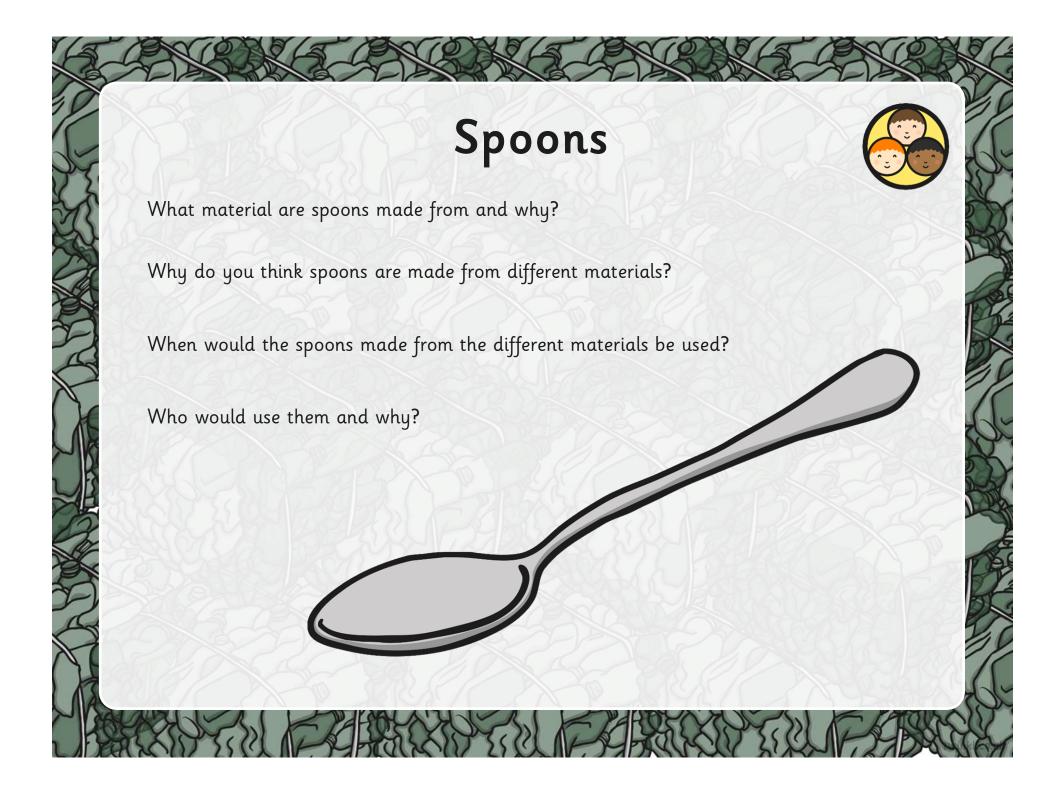
When might a metal ruler be more suitable?







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Suitability



Although these materials are all suitable for spoons, the spoon you would choose to use would depend on what you were using it for.

Which spoon would you give a toddler to eat their dinner with? Why?

Which spoon would you use to make a cake with? Why?

Which spoon would you use to eat soup with? Why?







Suitability



Suitability means having the properties which are right for a specific purpose.

Metal, wood and plastic are all suitable materials for spoons.



Metal is suitable because it is strong and lasts a long time.



Wood is suitable because it is strong and has a high heat tolerance.



Plastic is suitable because it is light and cheap.

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Discussion



Which material do you think would be the most suitable material for making coat hangers from and why?

















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Aim



• I can compare the suitability of different everyday materials.

Success Criteria

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