

Everyday Materials

Science

Year 1

Lesson 4 of 6

Learning Objective		Resources
To be able to describe why some materials suit certain objects better than others.		Slides Worksheet 4A/4B/4C Statement Cards Game Cards A/B (FSD? activity only)
Teaching Input		
- Introduce children to the character on the slides. He wants to build a little house for his dog and he wants to make it as soft and comfortable as possible. He has decided he will build it out of rolls of cotton wool so that it is nice and cosy. Do you think this is a good idea? Why or why not? Children to discuss their ideas as a class. - Go through the other scenarios like this on the slides and ask children for their feedback. - Explain that materials are chosen for their properties and materials are more suited to some uses than others. Why do you think lots of houses are made out of brick? Why do you think clothes are made out of fabric? Why do you think lots of tables are made out of wood? Children to discuss ideas for each one then go through the explanations on the slides.		
Main Activity		
<u>Lower ability:</u> On worksheet 4A, children to complete the sentences using the words provided to decide which material or property best fits the sentence.	<u>Middle ability:</u> On worksheet 4B, children to complete the sentences using the words provided to decide which material or property best fits the sentence.	<u>Higher ability:</u> Provide children with the Statement Cards showing different characters describing what materials they think they should make various objects from. Children to sort the cards into piles to show which they agree with and which they don't. When finished, children to stick the cards into the correct column of worksheet 4C and describe why they disagree with the ones they chose.
Fancy something different...?		
- Provide children with a set of Game Cards A or B (depending on ability) and challenge them to match up the materials to the objects they should be made out of. There may be more than one option for some objects. When finished, children to check with a partner whether they matched the cards up in the same way. If not, encourage them to discuss their reasoning. - As an alternative activity, children to place the cards face down and pick up two at a time. If they match a pair (e.g. by picking up a material that could be used to make an object) they keep the pair. The children with the most cards at the end of the game wins.		
Plenary		Assessment Questions
Go through the questions as a class: Why do you think pillows are made out of feathers and fabric instead of plastic? Why do you think bottles are made out of plastic or glass instead of wood? Why do you think coins are made out of metal instead of cardboard?		- Can children identify and describe a variety of materials? - Can children suggest why a material has been chosen for a particular purpose? - Can children identify materials that are inappropriate for certain uses and offer alternatives?