

Everyday Materials

Science

Year 1

Lesson 3 of 6

Learning Objective		Resources
To be able to describe materials according to their properties.		Slides Variety of objects e.g. oil, felt, stones, corrugated cardboard, elastic bands, marbles, plastic cups, etc. Worksheet 3A/3B Word Mat Question Cards
Teaching Input		
- Show children an object on the slides. What material is this object made from? How do you know? Invite children to share their ideas then check on the slides. - Explain that materials all have different properties. Some materials are hard and some are soft. Some materials are bendy and some are not. Show children the other words used to describe the properties of materials and check they understand what each means. - Show children the material on the slides. Which of these words do you think best describe what this material is like? Invite children to share their ideas, then repeat with the other objects. - Show children the descriptions of objects on the slides, e.g. 'This is a marble. It is made from glass. It is hard and smooth.' Do you agree with this description? Why or why not? Discuss ideas together, then repeat with the other materials. If possible, have each of the objects for children to feel and pass around before they answer if the description is correct or not.		
Main Activity		
<u>Lower ability:</u> Provide children with a variety of materials and objects to explore, e.g. foil, felt, stones, corrugated cardboard, elastic bands, marbles, plastic cups, etc. Give children some time to feel each one and discuss what they are like. Provide children with the Word Mat to help if necessary. Children to then use the Question Cards to organise the objects into groups.	<u>Middle ability:</u> Provide children with a variety of materials and objects to explore, e.g. foil, felt, stones, corrugated cardboard, elastic bands, marbles, plastic cups, etc. Give children some time to feel each one and discuss what they are like. Provide children with the Word Mat to help if necessary. On worksheet 3A, children to tick which materials have which properties.	<u>Higher ability:</u> Provide children with a variety of materials and objects to explore, e.g. foil, felt, stones, corrugated cardboard, elastic bands, marbles, plastic cups, etc. Give children some time to feel each one and discuss what they are like. Provide children with the Word Mat to help if necessary. On worksheet 3B, children to list ten of the objects and choose two words to describe each one.
Fancy something different...?		
- Provide children with a variety of objects to explore, e.g. foil, felt, stones, corrugated cardboard, elastic bands, marbles, plastic cups, etc. In small groups, challenge children to organise the objects into different groups according to their own criteria, e.g. objects that are hard and objects that are soft. - Each group then moves to another table to explore the way the objects have been sorted. Can you guess what criteria was used to sort the objects? Children to share their guesses and the original group then tells them if they are correct or not. If not, don't reveal what the criteria was so that there is more scope for repeating the activity.		
Plenary	Assessment Questions	
Put an object in a feely bag and invite one child to come and feel what is inside. That child then describes the object in as much detail as they can, e.g. it is hard, smooth, round, etc. The rest of the class then have to guess what the object is based on the description. Repeat this for different objects.	- Can children use a variety of appropriate words to describe what various materials are like? - Can children match materials to various properties? - Can children group objects and materials according to their properties?	