

Materials

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Sink or float?

Learning objective



Investigate objects and materials by using all of their senses as appropriate.

What to do

Provide the objects that match the pictures on the photocopiable page. Give each child in a small group a photocopiable sheet and provide each group with some water trays. Ask them to take turns to try the objects, to see whether they float or sink. Encourage the children to make predictions and talk about what they notice. Ask them to write the letter 'f' or 's' next to the objects after they have been tried.

Support: On this activity sheet there are just six objects for the children to investigate.

Extension: A table is provided for the children to use to record the results of their investigation.

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Wonky walls

Learning objective



Ask questions about why things happen and how things work.

What to do

Give each child some Duplo bricks to work with, explain that they need to build a safe wall for Humpty. Show them how to build a strong wall by using a traditional brickwork pattern. Compare the strength of different walls. Next, ask them to replicate the strong brick pattern by cutting out the bricks from the photocopiable sheet, sticking them in a pattern on a piece of paper. Invite them to colour in the bricks, to complete the picture.

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Bridge that gap

Learning objective



Investigate objects and materials by using all of their senses as appropriate.

What to do

Provide some bricks, a car, some paper, thin card and thick card. Invite the children to make a bridge for the car to travel across using the materials provided. What do they discover about the different materials? Next, give each child a copy of the activity sheet. Can they say which material is used in each picture? Help them to fill in the missing words.

Support: There are only two bridges and materials to discuss.

Extension: The children are required to draw a diagram to show what the card bridge might look like.

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Rolling along

Learning objective



Ask questions about why things happen and how things work.

What to do

Provide the objects shown on the activity sheet. Let the children try, in turn, to roll one of the objects. Discuss whether the objects roll and why they do or do not. Next, give each child their own copy of the activity sheet and invite them to investigate which of the objects roll. Encourage them to make a guess about each object before they try it. What have they found out about things that roll?

Support: There are less objects for the children to investigate.

Extension: Space is provided for the children to record their results.

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Curvy or straight?

Learning objective



Investigate objects and materials by using all of their senses as appropriate.

What to do

Show the children a selection of different-shaped objects and describe them. Put them