

## Sorting

Create a bag of small samples of different materials: wood, types of paper, foil, a range of plastics, stone, brick, wax, glass (marble), metals (paper clip, copper pipe, coin etc.), a leaf, fabrics, china etc. What is this? What's it made of? How do you know? Can you tell me about this item? Can you sort the materials into groups? What could you put together? Why have you put these things together? What shape is the coin? What shape is the marble? How many hard things have you got?



## Bridge Building

Start by drawing a river on paper or card, then ask your child to create a bridge over the river. Give them time to try independently before jumping in to show them how it can be achieved!

## Collecting

Make collections of natural or man-made objects, like leaves, pebbles or buttons, which can be arranged in patterns or put into containers. Tell me about your collection . . . Have you seen shapes like these before? Why do you think they are like . . . ? Is there something else you can think of that could belong here?



## Table Talk

How many knives do we need?  
Where do we place the forks?  
How many more plates are required?  
There 4 of us, but only 2 plates.  
How many more do we need?



## Marshmallows

Give your child a skewer each and ask them to put marshmallows on it. Which colour do you like best, pink or white?  
How many pink marshmallows will you have?  
How many white ones will you need?  
How do you know?  
How many have you put on so far?  
How do you know?  
How many more do you need?  
How do you know? Will you put your marshmallows on in a special order?

## Wheeled Vehicles

Tell me about your vehicle  
How many wheels has it got?  
How do you know?  
Which vehicle has the most wheels?  
Which way are you going next?  
Is there another way of getting there?

