

# Bathtime Fun

## What they explore

Young children never tire of playing with water and it is a great source of learning.

Using different containers helps them explore different shapes and volumes, while developing their coordination and pouring skills.

This activity with bottles lets children explore floating and sinking and observe how air bubbles tend to rise in water. It also teaches complicated concepts about buoyancy, such as the fact that air can take up space inside an apparently empty bottle and how something heavy like a ship can float on water.

## What you need

- ☆ A bathtub or sink
- ☆ Empty plastic bottles with lids
- ☆ Water

## What you do

Give your child an empty bottle with no lid to play with in the bath or sink. Point out the bubbles that come out as it sinks.

Now give them a series of bottles with their lids on — one empty, one full of water and some in-between. Play with your child to see which are harder to push underwater and which ones float higher.

It's great fun to dunk the empty bottle under the water and watch it pop right up when you let it go!

You could make holes in the lid of one of the bottles to create a small shower.

## What to ask

- ☆ Which bottles float? Which bottles sink?
- ☆ How can we make this bottle float or sink?
- ☆ Which bottle has the most water in it?



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Questacon Science Play  
Annex 13, Locomotive Workshop  
Australian Technology Park  
Eveleigh NSW 1430

Telephone: (02) 9209 4110

Facsimile: (02) 9209 4091

Email: [scienceplay@questacon.edu.au](mailto:scienceplay@questacon.edu.au)

ABN 71 460 521 691



[scienceplay.questacon.edu.au](http://scienceplay.questacon.edu.au)



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