

The egg in the bottle experiment

Brief summary:

In this experiment you will push a hard boiled egg into a bottle using some lit candles.

You will need:

- Help from an adult
- Juice bottle
- Hardboiled egg
- Small birthday candles

What to do:

Step 1. Get an adult to help you cook the egg until it is hard boiled.

Step 2. Carefully peel the hardboiled egg.

Step 3. Hold the egg at the wider end and slowly push two birthday candles into the top of the egg.

Step 4. With the help of an adult, light the candles.

Step 5. Turn the bottle upside down and hold it above the flaming candles.

Step 6. Allow the flames to heat up the air inside the bottle for just a few seconds then place the bottle down over the candles. The candles will go out and with a "pop!" and the egg will squeeze up into the bottle.

Step 7. To get the egg back out, place your mouth over the mouth of the bottle and forcefully blow air into the bottle. The egg should pop back out of the bottle right into your mouth!

Take it further:

Have a look at our other egg experiment - *Make a naked egg.*

Big questions:

- Are birds the only animals that lay eggs? What other animals lay eggs?
- How does having chooks in your yard help our environment?

