

## Questacon Science Squad Activity – Cool crush

The video for this transcript can be found on the Questacon Science Squad website at:

<http://sciencesquad.questacon.edu.au/activities/>

### Transcription of video:

*(Sound of bubbles popping)*

David: Hi, I'm David from the Questacon Science Squad and today I'm going to show you how to CRUSH a bottle using nothing but air.

*(Camera pans down to bowl of ice water)*

You need:

- a bowl with some ice water in it
- a soft drink bottle with its lid
- a funnel and
- some hot water.

Now, using your funnel, put it in the top of your bottle there and pour in just a tiny, little bit of hot water, that is plenty.

*(David places funnel into bottle and pours hot water in)*

Now, you need to leave this for a few minutes. That's not too long, just a little while. Um we've had some hot water in this already, so we can put our lid on right away, just like that.

*(David screws lid on bottle)*

And then put the bottle, the hot water and everything, into your ice water and give it a bit of a roll around like this.

*(David places bottle into bowl and rolls it around)*

As you roll it around, your bottle starts to crush down and we have... a crushed bottle.

*(Camera zooms out and David holds up crushed bottle)*

Now if you want to find out why the bottle crushed in on itself you can head on down to the Questacon Science Squad website. I'll see you next time.