

Questacon Science Squad Activity – Stop the Pop

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

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

Transcription from 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 make a flame-proof balloon.

Now, normally if you put a rubber balloon next to a candle, you'd expect it to pop, right?

(David places a balloon near a candle and it pops).

What a surprise, it pops. But what if you decided to put some water into the balloon? Now, this what you need to do. Grab a balloon and fill it up with water, and then blow it up the rest of the way with air, so it ends up looking something like this. Thank you!

(David is passed a balloon).

Now, take some matches, or a lighter, or maybe even ask an adult to help you with this, and re-light your candle.

(David lights the candle).

Take your half-water filled balloon and hold it on top of the candle flame. As you can see, it's not popping.

(David holds the balloon over the candle and it does not pop).

Now, if you want to find out why the balloon isn't popping, you can head on down to the Questacon website. See you next time.