

Are you a.. Chatterbox?



Are you a **BIG** chatterbox? Can you use the power of science to blow up a long tube in **ONE** breath?

A **FUN** way to learn about Bernoulli's Principle and the power of air pressure!

Materials

- 1 2 x our Chatterbox Tubes
- 3 OR Baby Nappy Disposal Refill tube

- 2 A friend

Method

1. Ask your friends to try and blow up as much of the Chatterbox tubes only using 6 breaths. Make sure they take their time and not blow too fast. You don't want them to faint.
2. After they blow their 6 breathes, grasp the tube (to keep the air inside) and compare the amount of air they actually 'blew' into the tubes.
3. Now for your turn! Open the end of the tube wide and pace it about a hand width away from your face.
4. Now, breathe in to fill your lungs and then blow into the tube like you are blowing out candles on a birthday cake. Quickly grasp the tube with your hands. WOW, super breath!

What's Going On?

When you blow into the bag with your face away from the end, a **LOW** pressure region is created inside the tube. This causes the air outside the bag to rush towards and into the bag (filling it up).



Take it further

This experiment with pictures is found on our website. If you want to stretch your brain cells further by changing variables, graphing etc, then explore these features through our Bright Spark Guides, subscriptions to our Crazy Science Club videos and more. Please see our website for further details.

