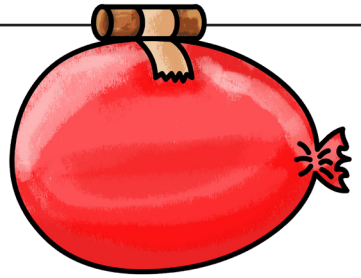
KEMPTON STEAM MUSEUM

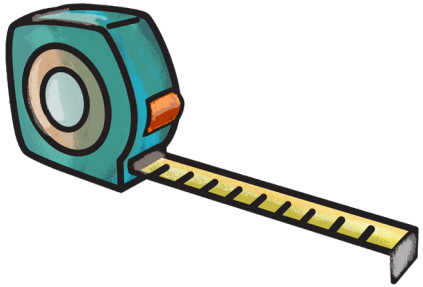
Clean Water for Life Learning Resources

Puff, Push, Power!



Kempton Pressure Rocket!

Air inside a balloon acts like steam pressure. The more air you blow in, the more push it has! Can you guess how far your balloon will travel along a string?

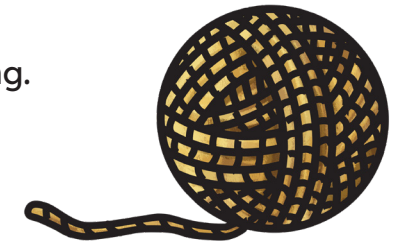


Set Up

- Thread a piece of straw onto a **long** piece string.
- Tie the piece of string across the room.

Try It Out

- Blow up your balloon with **6** big puffs. (Don't tie it – hold the end tight!)
- Ask a friend to help measure around the balloon (a piece of string helps for this).
- Write down the measurment and an estimation of how far it will travel.
- Tape the balloon to the straw.
- Pull it right back to one end of the string.
- Let go! Measure how far it travelled. Write down the distance.



Repeat the test

Blow up the balloon with just **5** puffs this time and repeat! Keep going until you have filled the table. What do you notice?

Number of puffs	**Balloon size** (circumference)	**Guess** (How far I **think** it will travel)	**Result** (How far it **actually** travelled)
6			
5			
4			
3			
2			
1			

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