

SODA CAN JUMP

MATERIALS

- Soda can
- 2 coffee mugs

DIRECTIONS

1. Open the soda and drink it.
2. Place one mug in front of the other.
3. Place the empty soda can in one of the mugs.
4. Blow air between the soda can and mug to make it “jump” into the empty mug. Adjust the distances between the mugs if necessary.

STEM ACTIVITY CARDS



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ACTIVITY FOUND AT:

[http://www.stevesplanglerscience.com/
lab/experiments/soda-can-jump/](http://www.stevesplanglerscience.com/lab/experiments/soda-can-jump/)

WHY?

Blowing air in between the can and the first coffee mug creates an area of high pressure between the bottom of the can and the inside of the coffee mug. The harder you blow, the more rapidly the air pressure between the surfaces increases.

As the pressure between the surfaces raises, the pressure above the can stays the same, creating a bigger difference in pressure. This difference of pressure pushes the empty can up and out, like a jump!

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SCIENCE TERMS FOR FURTHER DISCUSSION:

- Air Pressure
- Aerodynamics
- Force