Bernoulli effect

Read it -- Try it safely -- Explore it further

Example 1

Place an empty soft-drink can in a mug
Hold the mug by hand
Blow air in direction of green arrow
Blow really hard!
What do you notice?

The “uplift” is similar to what enables an airplane to rise off the tarmac when air blows across the wing.

Example 2

Switch on a hair-dryer facing upwards
Place a table tennis ball above it

Instead of blowing away, it bobbles about as if inside an invisible cone due to inward air-pressures represented by blue arrows.

If you have two table tennis balls and time to practice, you may teach them to dance.

Extension activity: Explore other examples of Bernoulli effect

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