

Zedua Experiments

Title: Make a Ping Pong Ball Float

What is airflow?

Airflow is the measurement of how much air moves over an area in a unit of time

What is gravity?

Gravity is the force by which a planet or other body draws object towards its centre. The force of gravity keeps all the planets in orbit around the sun.

In this experiment, kids can understand the concept of gravity and air flow.

Materials Required:

1. 1 ping pong ball
2. A hair dryer

Procedure:

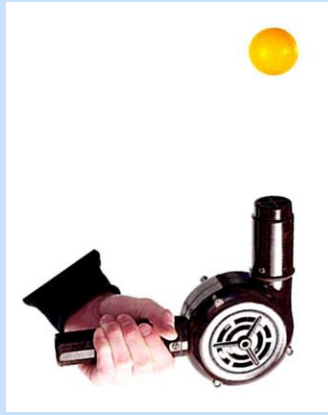
1. Turn on the hair dryer.
2. Turn it into highest setting and point it straight up.
3. Place your ping pong ball above the hair dryer and observe. Use your hand eye coordination to balance the ping pong ball in the air.

What's happening?

With proper hand eye coordination, you will be able to make the ping pong ball float in air.

The airflow from the hair dryer pushes the ping pong ball upwards. The force of gravity pulls the ping pong ball down. When its upward force equals the force of gravity pushing down on it, the ping pong ball gently bounces around.

Try floating 2 or even 3 ping pong balls as an extra challenge.



Source: pintrest

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