

FLYING SPACECRAFT



PROFESSOR PETE'S intro...

Background Information:

Can you control a ping pong ball as it floats above a hair dryer? Put your hand-eye coordination skills to the test while learning the important role that forces such as gravity and air pressure play in this simple experiment for kids.



Step 1: Collect your equipment...

- 3x ping pong balls
- hair drier

Step 2:

- plug your hairdryer in and turn it on.

Step 3:

- turn on the hairdryer and increase the heat / speed to the highest setting.

Step 4:

- place the ping pong ball above the drier and watch what happens.

PROFESSOR PETE SAYS...

Your ping pong ball floats gently above the hair dryer without shifting sideways or flying across the other side of the room. The airflow from the hair dryer pushes the ping pong ball upwards until its upward force equals the force of gravity pushing down on it. When it reaches this point it gently bounces around, floating where the upward and downward forces are equal.

