



## SOARING TOILET PAPER

### Ingredients

- Leaf Blower
- Toilet Paper
- Dowel Rod

### Science Terms

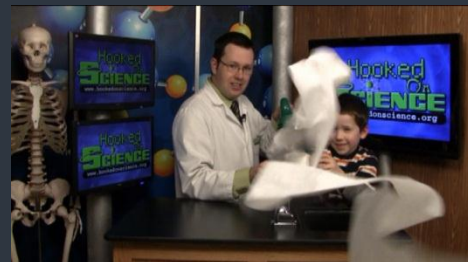
- **Air Pressure** – Air pressure is the force that air puts on objects.
- **Bernoulli's Principle** – Bernoulli's Principle is the scientific principle that states that the faster a gas or liquid moves, the lower its pressure will be.

### Instructions

**STEP 1:** Place the toilet paper on the dowel rod and unroll a few pieces of tissue.

**STEP 2:** Hold the dowel rod horizontally so the roll will unroll away from you.

**STEP 3:** Turn on the leaf blower and aim the stream of air just over the top surface of the roll.



### Explanation

Bernoulli's Principle states that the pressure exerted by a fluid decreases as its velocity increases. Increasing the velocity over the top surface of the toilet paper lowers the pressure of the air pushing down on the paper. The paper is lifted because there is now an unbalanced force of air pressure acting upward.

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