## Make a Water Fountain With a Balloon!

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Create a manually controlled small fountain using just a balloon and a water bottle. What's the magical principle behind this? Through this experiment, children will directly experience the mysterious power of atmospheric pressure. Kids can take it outdoors to play, making it especially suitable for summer exploration.

- Age: 3-8
- Time: Less than 30 minutes
- Mess Level: Messy
- Adult supervision required

## **Materials Needed:**

Water bottle Drawing pin Balloon Water



## **Step-by-Step Instructions:**





3. Insert the balloon into the water bottle, stretching its edge over the bottle's mouth.



water bottle with your finger. You can also try filling the balloon with water directly (you can place it under a tap if the water pressure is sufficient).







While blowing air into the balloon, since the bottle only has one small hole, the air in the bottle is squeezed out, causing the air pressure inside the balloon to be greater than inside the bottle. At this point, if you cover the small hole with your hand, the balloon won't deflate. After adding water, when we release the small hole, the air pressure inside the bottle instantly increases, squeezing the water out and creating a fountain effect.