

How to Build a Bottle Rocket!

Materials:

- 2L plastic bottle
- 2 cups of water
- 1 cup of vinegar
- 2 Tbs Baking Soda
- Cork
- Duct tape
- Paper Towel
- Launch pad (a board with a screw at least two inches is ideal)
- (optional) Decorative materials



Scan this for a video tutorial!



How to Make it: (Make sure you have a parents supervision for this craft!)

1. (Optional) Decorate your rocket!
2. Pour both the water and vinegar into the bottle.
3. Now you're going to make the baking soda pack that you'll drop into the bottle. Do this by putting the baking soda in a line down the centre of the paper towel (one standard piece should be the perfect size.) Fold one long side of the paper towel over the baking soda then fold both short ends to seal the baking soda in. Next roll the paper towel thin enough to fit in the bottle.
4. (For this next step, you will need an adults help) Take the board and put the screw up through it so it's sticking out of the top.
5. Take the cork (you can wrap it in duct tape to make it fit tighter in the bottle.)
6. Screw the cork to the board and you're all set to launch!

How to Launch:

1. You're gonna want to be in a large outdoor space away from both cars and other people.
2. Insert your baking soda pack into the bottle and hold it so that it does not touch the water/vinegar mixture yet.
3. Take your launch pad in your other hand before dropping the baking soda pack into the water and vinegar.
4. Once you drop the baking soda, quickly insert the cork and base into the bottle and flip everything over.
5. Stand back and watch your rocket fly.

