

Build an Air-Powered Bottle Rocket



NOTE: This activity requires adult supervision!

Things You Need:

- 16-20 oz. plastic soda bottle (do not use water bottles)
- Duct tape
- Corrugated plastic sheets or corrugated cardboard
- Permanent markers
- Clay
- Nose cone template
- Scissors
- Clear tape

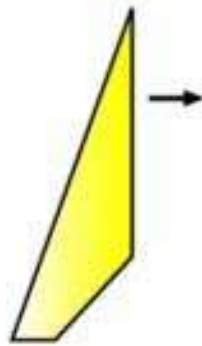
What to do:

1. Print out nose cone template and secure using duct tape (Step 1 below).
2. Place a small piece of clay in the tip of the nose cone (Step 1).
3. Use clear tape to fasten the nose cone to the bottom of the plastic bottle (Step 2).
4. Create fins for your rocket by cutting out triangular shapes from the plastic sheets or cardboard.
5. Use duct tape to fasten the fins to your rocket (Step 3).
6. Decorate with permanent markers or any other decoration supplies.
7. Bring your completed rocket to Sci-Quest on February 20, 2010 to launch!



Step #1

- Assemble Nosecone using the pattern.
- Place a small piece of clay in the tip of the Nosecone.



Step #3

- Use duct tape to fasten the plastic fins to your rocket.

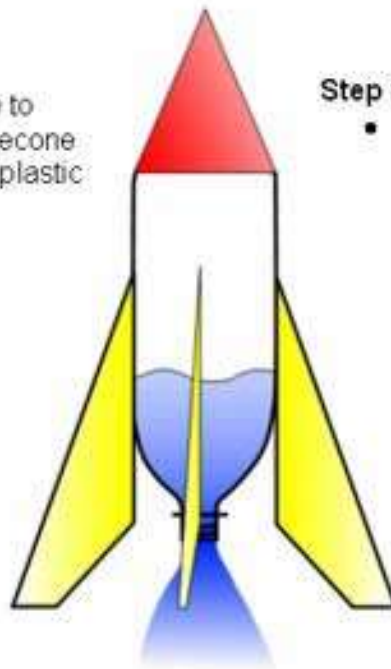


Step #2

- Use clear tape to fasten the nosecone to bottom of a plastic bottle.

Step #4

- 3...2...1... Blastoff!



Nose Cone Template

