

STEM Exploration

STRAW ROCKET



Send your paper rocket soaring
with the power of your own
breath!

Materials Provided:

Rocket Templates
Plastic pipette
Straw

Materials Needed:

Markers, crayons, etc.
Tape or glue dots
Scissors

Instructions:

1. Begin by coloring your rocket templates. Enough straws are provided in your kit for you to make **two** rockets.
2. Once they've been colored, cut out your rocket templates (ask a grown-up for help if you need to).
3. Cut the bottom off a plastic pipette and attach it to the back of a rocket using tape or glue dots. Keep the open end of the pipette facing down, and the sealed end at the top of your rocket.



4. Slip a straw inside your pipette, and you're ready to launch! Give your straw a big puff of air while it's held inside the pipette, and watch your rocket take off.



Keep Experimenting!

Once you've got the hang of it, you can make your rocket fly in different ways! See how these small changes affect your rocket's flight:

- How does the angle you launch your rocket affect the distance it travels? Try out different angles and record the results.
- Can you design your own rockets to attach to the pipette or straw? Which designs work better?
- Try adding another fin to your rocket with tape. How does it affect the flight of your rocket?