

A STEM in the Park

Take Home Activity

STEM

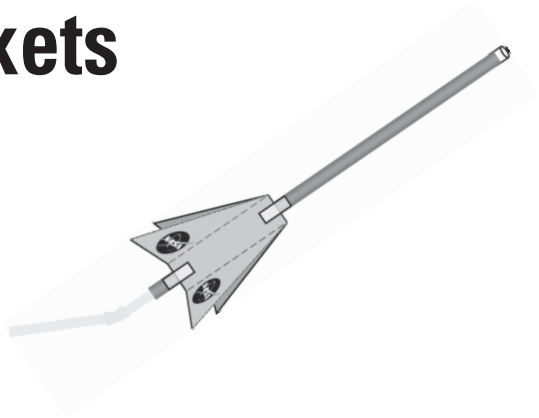
in the **PARK**™

Science, Technology, Engineering, and Mathematics

Straw Rockets

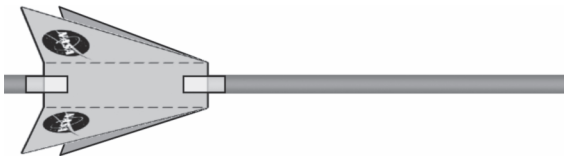
What You Need

- Straws
- Cardstock
- Tape
- One ear plug



What To Do

1. Get out one large straw for your rocket and one small straw for your launcher.
2. Cut out paper fins and fold along the fold lines.
3. Tape the fins onto your rocket. This will be the bottom of your rocket.



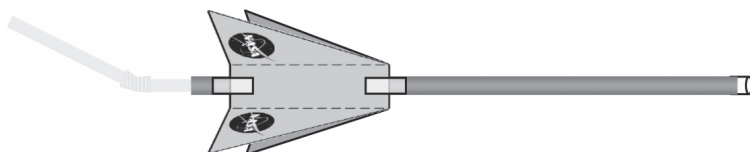
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What To Do cont.

4. Pinch down the foam earplug between your thumb and index finger. This is your rocket's nosecone.
3. Insert the nosecone into the top of your rocket and secure.



4. Insert the smaller straw into the rocket and blow air into the straw moving the rocket!



The Science

Newton's First Law of Motion: An object will remain at rest or constant velocity unless acted upon by a net force. The straw rocket will remain at rest until air is blown through the straw. As the rocket travels through the air it is acted upon by outside forces, ultimately slowing it and causing it to land.

Caution: Do not aim at other people.

This activity is brought to you by the Challenger Learning Center

