



TOTALLY THRILLING SCIENCE

10 MINUTE
SCIENCE
Activities



Medina County CD STEM Outreach

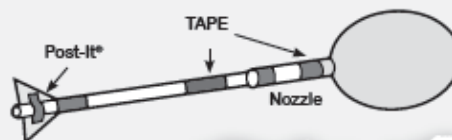
ROCKETS AWAY

Straw rockets can demonstrate how real rockets fly and the forces that act upon them.

Design affects flight. Adding **fins** help to **stabilize** a rocket's flight. Try different designs, experiment with different materials, and make the best rocket you can!

METHOD

- 1 Cut off the rolled end of a **small round balloon**.
- 2 Insert a 2" piece of drinking straw (nozzle) into the open end of the balloon and tape the balloon to the straw. *(If you cut off the rolled end before taping, it stays better.)*
- 3 Insert one end of the remaining straw piece into another straw. *(You usually have to squish one straw end a bit to fit it inside the other!)* Tape together to make one long straw. Tape the long straw to the side of the nozzle as shown.
- 4 Cut a 3" piece of Post-It® paper and cut it diagonally.
- 5 Tape the two pieces of paper to the bottom of the straw as shown. Inflate the balloon then release it!



You will need...

- 5" ROUND BALLOONS
(LARGER balloons are too heavy)
- SCISSORS
- DRINKING STRAWS
- POST-IT® PAD (3-INCH SQUARE)
- CLEAR TAPE

AVAILABLE
ONLINE



Copyright © 2016, The Ohio State University



THE OHIO STATE
UNIVERSITY

COLLEGE OF FOOD, AGRICULTURAL,
AND ENVIRONMENTAL SCIENCES



Medina.osu.edu/STEM

CFAES provides research and related educational programs to clientele on a nondiscriminatory basis. For more information, visit cfaesdiversity.osu.edu. For an accessible format of this publication, visit cfaes.osu.edu/accessibility.