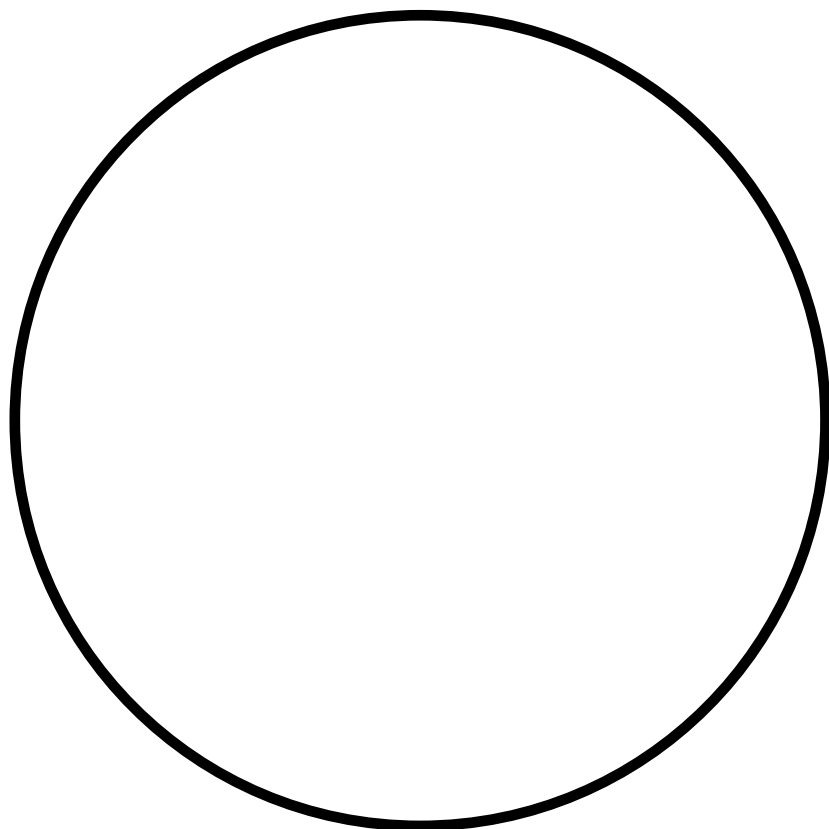
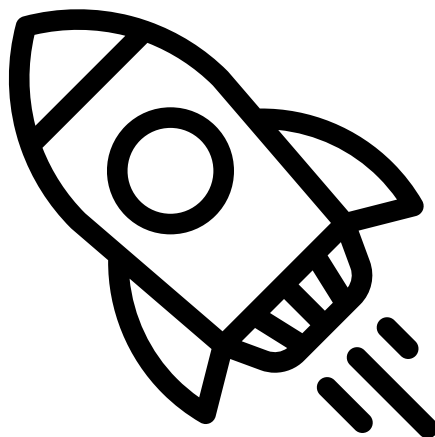


Explore at Home:

Rocket Coloring Page and Hands-on Activity



What planet would you like your rocket to visit?
<----- Draw it here.



Activity

Use a balloon to launch a straw "rocket."

What You'll Need

- ☐ A balloon
- ☐ A drinking straw
- ☐ A long piece of string (4-10 feet)
- ☐ Tape or glue dots
- ☐ Art supplies to draw a planet you'd like your rocket to visit

What To Do

- 1) Straight drinking straws work best. If you have a bendy straw, cut off the part that bends and keep the straight part.
- 2) Tie one end of the string to a chair or railing. This is where your balloon rocket will fly to. If you want, draw a picture of a planet you'd like your rocket to visit on this sheet and tape your picture in the same place.
- 3) Have a friend or family member hold the other end of the string. Thread the straw onto the string. Add tape to the end of the string to prevent the straw from slipping off.
- 4) Blow up a balloon and hold its mouth closed. Don't tie the balloon! Get help from a grown-up if needed.
- 5) Your balloon is the engine for your straw "rocket." Which way should you point the balloon's mouth? You decide!
- 6) Attach the balloon to the straw using tape or glue dots.
- 7) Let go of the balloon's mouth and see how far your rocket flies!
- 8) Launch your balloon again. Try something different this time!

Adapted from the NASA "Beginner's Guide to Rockets: Rocket Propulsion Activity," <https://goo.gl/JCC7gM>

More Science Ideas for Grown-ups

You Are the Most Important Role Model Your Children Have!

- Nurture your child's curiosity.
- Grow your child's ability to persist and maintain a "can do" attitude.
- Develop your child's inquiry and problem-solving skills by doing hands-on science activities.
- Talk about the role of science in household tasks like gardening and cooking. Watch science documentaries or read science books together. By actively making science a part of family life, you send the message that science is important.

What You Can Do: Watch, Play, and Learn Online!

NASA Space Place

<http://spaceplace.nasa.gov>

This site features exciting games and apps for learning about our universe.

Sci Games

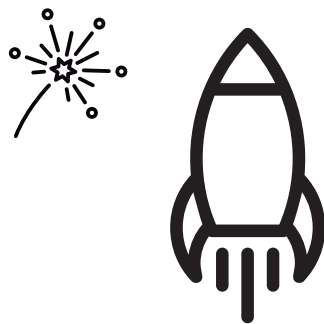
<http://www.scigames.org>

This website features online games to help you learn about space science and exploration.

Night Sky Network

<http://nightsky.jpl.nasa.gov/clubs-and-events.cfm>

Find and contact your local astronomy club through NASA's Night Sky Network to view the night sky through telescopes.



A product of the Science-Technology Activities and Resources for Libraries (STAR Net) program. Visit our website at www.starnetlibraries.org for more information on our educational programs. May 2018



This material is based upon work supported by the National Science Foundation under Grant No. DRL-1421427. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the authors and do not necessarily reflect the views of the National Science Foundation.