

## Air To Spare Workshop Handout

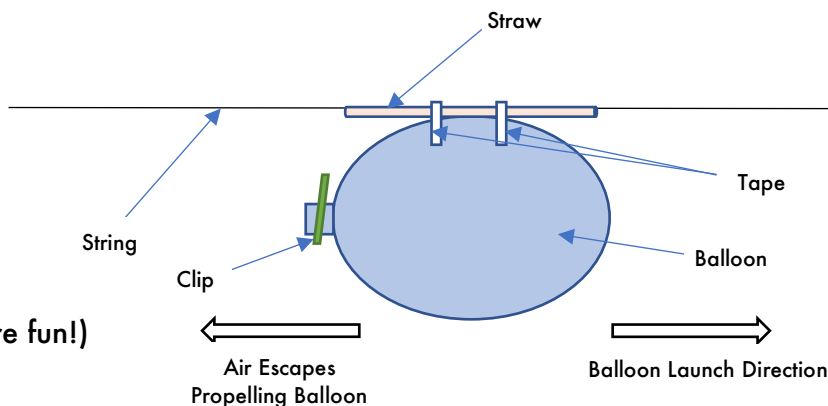
It might be hard for young students to conceptualize what air is and why we know it is there, even when we don't see it!

There are quite a few experiments in the workshop to help you along, but here is an extra activity to make your learning space launching with excitement!

### Balloon Rocket!

#### Materials Needed:

- A Balloon
- At Least 10 ft of String
- A Straw
- Tape
- A Clip
- Adult Supervision (Because science with an audience is more fun!)



#### Procedure:

1. Take the balloon and blow it up as big as you can (don't pop it) and use the clip to seal the end so it doesn't deflate!
2. Tape the straw to the balloon.
3. Tie one end of the string to an object on one side of the room (like a chair or a doorknob) and put the other end of the string through the straw with the attached balloon. Tie the string to another object across the room so that the string is tight.
4. Move the balloon to the end of the string "track" and remove the clip. See how it flies!!
5. Air is so powerful, that it can launch object across the room! What challenges did you have with this activity? How do you think you can improve the design? Can you make the balloon move faster?



Want to see and do more? Check out my YouTube Channel for videos like Science Girl's Home Lab! Go to <https://www.youtube.com/channel/UCXeadkZB1tUxRT6cVbUw1iw> or just scan the QR code with your camera on your phone!

This second QR code will connect you to my website ([www.sciencegirlslab.com](http://www.sciencegirlslab.com)) for more information on Science Girl's Lab and how to get connected!



**Go Be Awesome!**

