



JL BOCES

Makerspace

Balloon Rocket



Presenter:

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Description of Project

This project is a way for students to experiment with rockets in a safe and low-cost manner!

Materials Needed

1. Balloons
2. Straws
3. Tape
4. String to make a track

Steps

1. Inflate balloon, twist end, and use a binder clip to hold the air in.



2. Tape the balloon to the straw.



3. Thread your “rocket to the track”



Finished Project

Example of how to set up in a school: <https://www.youtube.com/watch?v=lwkl-2pOCXw>

Tips and Suggestions

1. Students can experiment with different circumferences and graph which ones go farther.
2. Some “rockets” may go farther than others depending on construction. Students can experiment with construction to try to make their rockets go farther.

Extension Projects

1. Balloon Car: <http://www.science-sparks.com/2014/08/18/balloon-powered-lego-car/>
2. Balloon Boat: <http://lifewithmoorebabies.blogspot.com/2012/09/balloon-boats.html>
3. Easter Egg: <http://www.instructables.com/id/String-Easter-Eggs/>