



Balloon Rocket



A rocket is a type of spacecraft that is powered by gases that are forced out of one end.

Lets use our aerospace skills to make a balloon rocket!

Materials: 6 Feet of String
4 Inch Piece of Drinking Straw
2 Chairs
9 Inch Round Balloon
Spring Clothespin
Transparent Tape



Procedure:

1. Thread the string through the straw and tie both ends of the string to the backs of the chairs.
2. Position the chairs so the string between them is very tight.
3. Inflate the balloon and twist the open end of the balloon and secure it with the clothespin.
4. Move the straw to one end of the string.
5. Tape the inflated balloon to the straw.
6. Time for takeoff! Carefully remove the clothespin from the balloon.

How far did your balloon travel? _____

Now try using different amounts of air in your balloon to see if it travels farther or shorter. What happened when you tried different amounts of air? _____