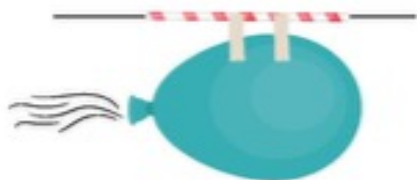


BALLOON ROCKET

MATERIALS

- BALLOON
- STRING
- DRINKING STRAW
- TAPE AND SCISSORS



INSTRUCTIONS

1. CUT A PIECE OF STRING A FEW FEET LONG. YOU CAN MAKE IT AS LONG OR SHORT AS YOU LIKE, BUT LONGER STRINGS ALLOWS THE ROCKET TO TRAVEL FARTHER.
2. TIE ONE END OF THE STRING TIGHTLY TO A DOORKNOB, OR CHAIR.
3. THREAD THE OTHER END OF THE STRING THROUGH THE STRAW. THE STRAW WILL ACT AS A GUIDE FOR THE BALLOON ROCKET TO MOVE ALONG THE STRING. TIE THE END OF THE STRING TO ANOTHER CHAIR OR OBJECT ACROSS THE ROOM AT ABOUT THE SAME HEIGHT.
4. INFLATE THE BALLOON AND KEEP THE OPENING PINCHED SHUT WITH YOUR FINGERS. YOU COULD USE A CLIP OR CLOTHESPIN TO HOLD IT SHUT.
5. USE TAPE TO ATTACH THE INFLATED BALLOON TO THE STRAW.
6. WHEN YOU'RE READY FOR LIFTOFF, RELEASE THE OPENING OF THE BALLOON, AND WATCH YOUR ROCKET ZOOM ALONG THE STRING!

EXPLANATION

WHEN YOU RELEASE THE OPENING OF THE BALLOON, THE AIR RUSHES OUT IN ONE DIRECTION, CREATING A FORCE THAT PUSHES THE BALLOON FORWARD IN THE OPPOSITE DIRECTION.

EXTENSIONS

- SET UP TWO ROCKET STATIONS AND HAVE A RACE.
- CHANGE THE SIZE OF BALLOON OR THE LENGTH OF THE STRING.
- ATTACH THINGS LIKE PAPER CLIPS OR COINS TO THE BALLOON AND SEE HOW EXTRA WEIGHT AFFECTS THE ROCKET.