

## Balloon rockets



### Materials

Different shaped balloons

Long piece of string

Plastic straw

Tape

Tie one end of the string to a support and thread through the straw. Tie the other end of the string to another support in the room. Blow up the balloon but don't tie it just hold it. Tape the balloon to the straw. Then let go and watch it fly.

1. Does the shape of the balloon affect how far (or fast) the rocket travels?
2. Does the length of the straw affect how far (or fast) the rocket travels?
3. Does the type of string affect how far (or fast) the rocket travels? (try fishing line, nylon string, cotton string, etc.)
4. Does the angle of the string affect how far (or fast) the rocket travels?