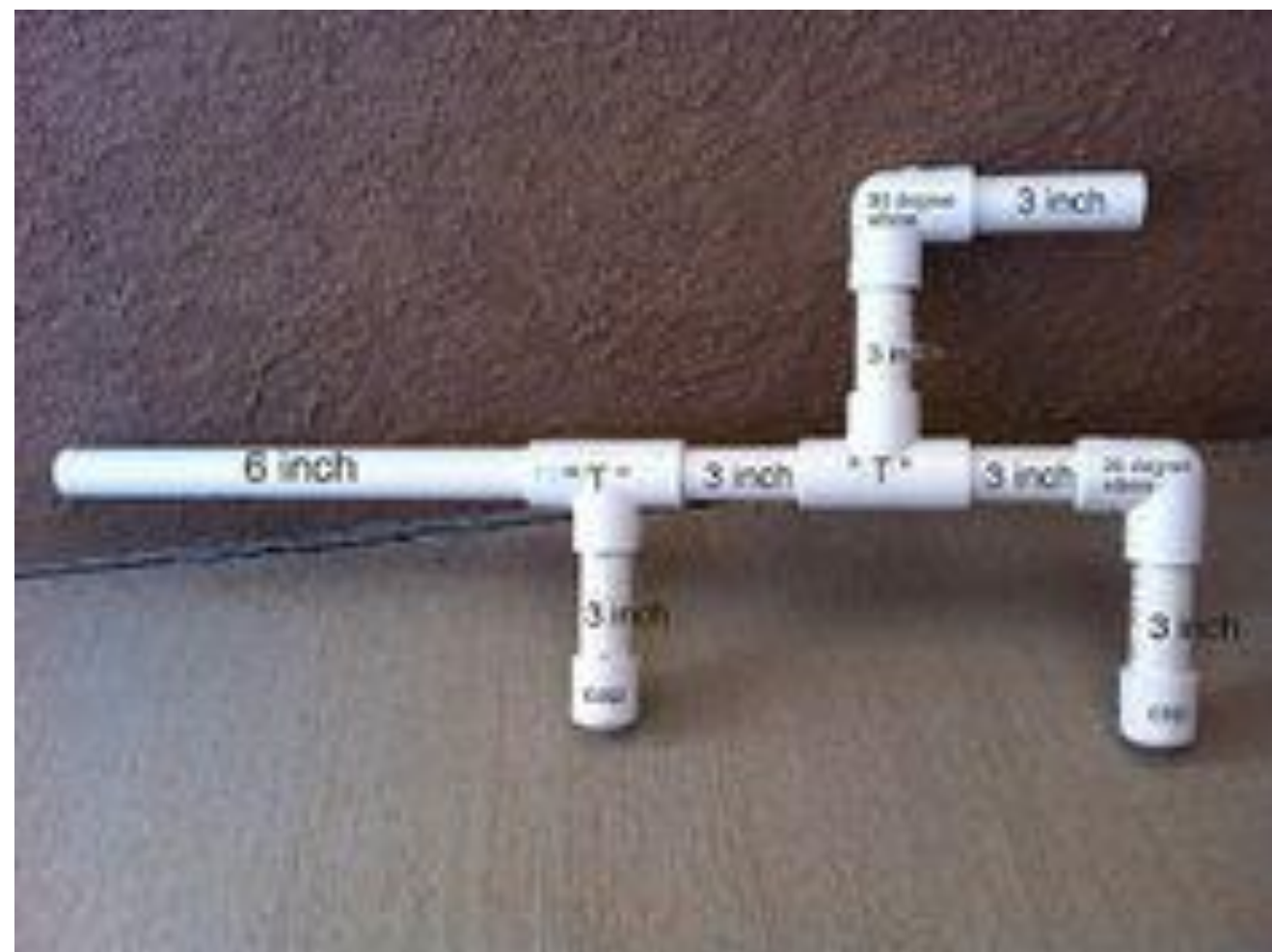
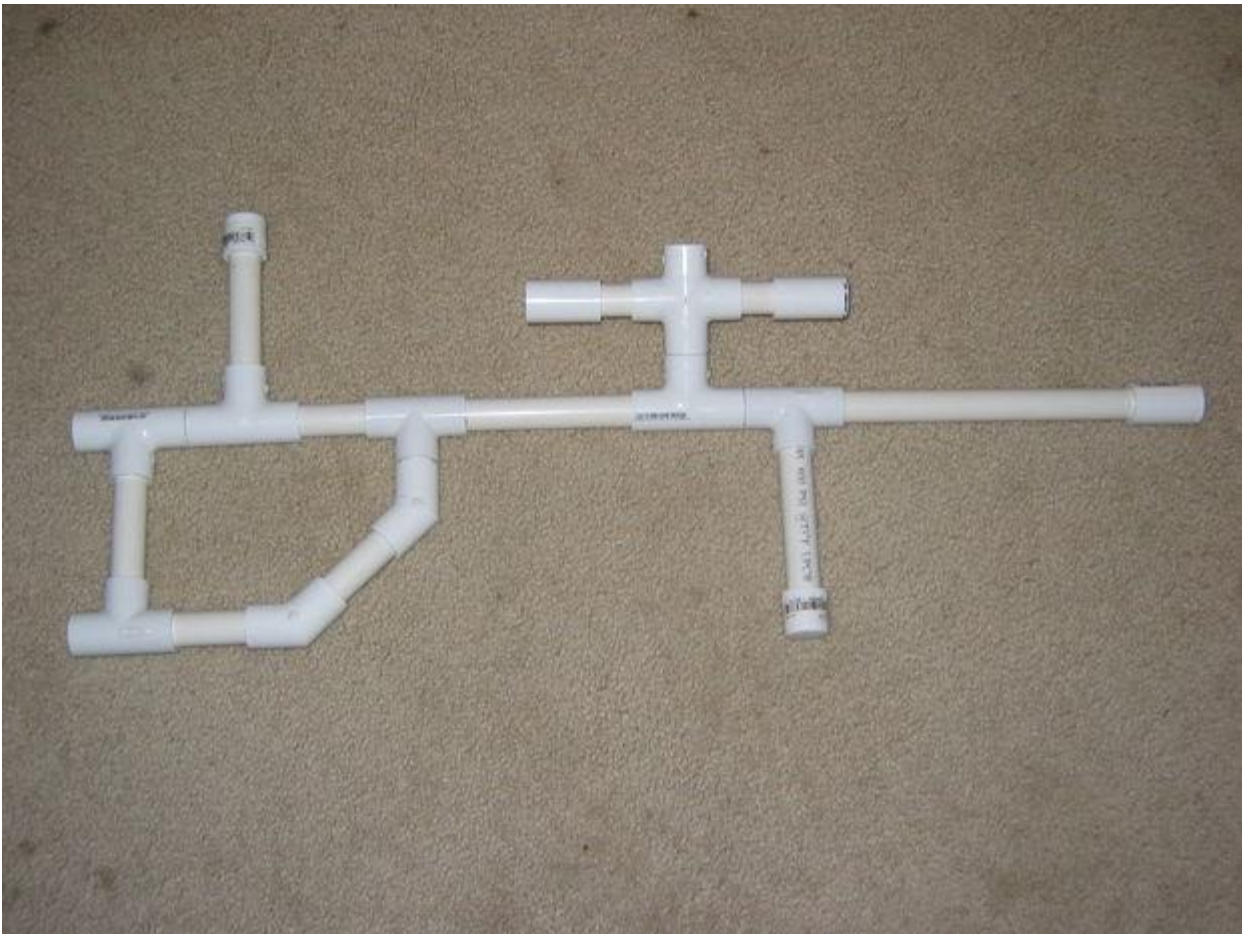


Marshmallow Projectile Launcher

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Equipment List

1. 24 inches of ½ inch PVC Schedule 40 pipe. Schedule 40 has thicker walls and works better with the marshmallows.
2. 2 “T” connectors
3. 2 90 degree Elbow connectors
4. 2 end caps and 1 pipe extender

Cut the PVC pipe in 6 three inch segments and 1 six inch segment. Nickels can be used to improve air flow.

Experiments:

1. Angle versus range.

2. How does the length of tube influence the range?

Is there an optimal length?

3. Does the tube work better if it is straight or has the bend in it?

4. ??????????

What are the Scientific Principles?

1. Projectile Motion

2. $F=ma$

3. Pressure

4. How does the marshmallow get through the right angle bend?

