Marshmallow Launchers
A Force and Motion
Experiment
By: Ashley Tidwell

Thank you for your purchase! I created this experiment based on a simple picture of a homemade marshmallow gun that I figured could be modified, and used to reinforce the concept of force and motion.

Materials Required:

- Plastic cups (Note: I did not use Solo cups because they were too big. I used a Wal-Mart brand)
- Balloons
- Marshmallows- Big and small
- Scissors

Directions:

- 1. Cut the bottom third of the plastic cup off.
- 2. Tie a balloon shut.
- 3. Cut off a small section off at the top of the balloon.
- 4. Stretch the balloon around the rim of the cup.
- 5. Insert marshmallows and discover the fun!

I cut majority of the cups before my students came to class because I knew it might be a little difficult for them. However, they did everything else after that.



Name	Date			
Marshmallow L				
Describe force.				
2. Describe motion				
After creating your marshmallow launcher, make small marshmallow when you launch it.				
4. Now launch your small marshmallow. What happ	ened when you launched it?			
5. Now using a much stronger pull, launch your small	all marshmallow again. What happened?			
6. Now using a much softer pull, launch your small				
7. Now make a prediction as to what will happen to	the larger marshmallow when you launch it.			
8. Now launch your larger marshmallow. What happ	pened when you launched it?			
9. Now using a much stronger pull, launch your larg	ge marshmallow again. What happened?			
10. Now using a much softer pull, launch your large	marshmallow again. What happened?			
11. Explain how this experiment relates to force and you observe a motion?				

thest distance.				
3. If you could make an	y changes to your n	narshmallow laui	ncher, what would	d you do?

Thank You and Credits!

Once again, thank you for purchasing this hands on experiment! Please be sure to rate my work, so that you can receive Teachers Pay Teachers credit towards future purchases.

A big thank you to "The 3 A.M. Teacher" for her wonderful graphics! You can check out her Teachers Pay Teachers store at http://www.teacherspayteachers.com/Store/The-3am-Teacher and her blog at http://the3amteacher.blogspot.com. Also a big thank you to Farley for her creative font! You can check out her hilarious blog at http://ohboy3rdgrade.blogspot.com/.