**Engineering Project 1-Earth Science**

“Good day! Your mission, should you choose to accept it, involves the making of a device that will make a projectile out of a marshmallow! You may select any of the prepared supply bags, but it is essential that you select only one of the prepared bags. This message will self-destruct in five seconds.”

In order for your mission to be successful you must use only the supplies provided (25 popsicle sticks, a plastic spoon, a rubber band, and 1” (inch) masking tape (provided by you), and the end product must be able to launch a marshmallow (mini) a minimum of 2 meters, the device must be free-standing (not supported by you or any other device) and you must complete the lab write-up with the information listed on the rubric.

Your device is due no later than **September 26, 2013**; remember to write your name on your project.

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**Engineering Project 1-Earth Science**

**Rubric**

Using the science processes of inquiry, design, model making, testing and evaluating, construct a catapult with the supplied items. In addition to the supplies provided, use may use 1” (inch) masking tape (not painters, duct, electrical tape, etc.).

Your lab write-up will be evaluated with the following criteria:

5pts List supplies

10pts Diagram of design (with labels)

10pts State at least 10 step of your building process

10pts Test and revise-tell what happened

10pts In class-Test and graph class results

5pts Conclusion: What design produced the greatest launching distance? And why?