**Engineering Project 1-Earth Science**

**Catapult-Rubric**

**Due September 25/26**

“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 25/26**, remember to write your name on your project.

**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.).

You will be evaluated with the following criteria:

5pts List supplies

10pts Diagram of design

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? Why?