

# Rocket Building Project Rubric



Student Name: \_\_\_\_\_

Class: \_\_\_\_\_

Project Due Date: March 21, 2013

## **Rocket Project Grading (65 pts.)**

\_\_\_\_\_ Rocket and blueprint or diagram completed by due date (10 pts.)

\_\_\_\_\_ Parent newsletter slip turned in by 2/15/13 (5 pts.)

\_\_\_\_\_ Rocket is attractive and shows excellent craftsmanship (10 pts.)

### **\* The rocket blueprint or diagram must incorporate the following:**

\_\_\_\_\_ Blueprint or diagram of the rocket illustrates the assembled parts (10 pts.)

\_\_\_\_\_ All the rocket parts on the blueprint or diagram are correctly labeled (10 pts.)

### **\* The rocket must incorporate the following:** (Construction quality will be evaluated before flight performance.)

\_\_\_\_\_ Contains three or four fins securely attached (5 pts.)

\_\_\_\_\_ Nose cone securely attached (5 pts.)

\_\_\_\_\_ Must be painted or display colors (5 pts.)

\_\_\_\_\_ Rocket connects to the launcher without modifications – on launch day (5 pts.)  
(Engine rocket launch pad rod = 1/8" & Air rocket launch tube = 1/2")

## **Flight Performance Grading (35 pts.)**

### **\* Performance will be based on the following criteria:** (Each student will have one flight attempt.)

\_\_\_\_\_ Rocket stayed in the air over six seconds (10 pts.)

\_\_\_\_\_ Rocket landed without being totally destroyed – able to use again (10 pts.)

\_\_\_\_\_ Preparation – did not waste time setting up rocket (5 pts.)

\_\_\_\_\_ Rocket was launched as directed by the teacher (5 pts.)

\_\_\_\_\_ Student showed maturity during all the rockets launched – no picking or playing around (5 pts.)

## **Bonus Points (10 pts. each category)**

\_\_\_\_\_ Longest flight time per class

\_\_\_\_\_ Class favorite design – peers will vote on the design



Total: \_\_\_\_\_

Comments: \_\_\_\_\_

---

---

---

---

---