Official Rocket Rules & Regulations

**General Guidelines**

* Each rocket should measure approximately 48 inches in length
* Each rocket cylinder should measure approximately 3 inches in diameter
* The total weight of the rocket should not exceed 1 pound
* No materials or objects should be placed inside the rocket cylinder
* Any safe materials may be used in the construction of the rocket

**Materials Needed**

* **Pencil, paint, marker, crayon, glitter, etc.**
* **Scissors**
* **Cardboard mailing tube with dimensions of 36” x 3” (These are available at most office supply and UPS stores.)**
* **Notch pattern**
* **Exacto knife for cutting the notch into the cardboard - ADULTS ONLY!**
* **Cardboard**
* **Strong tape or glue**

**How to Build Your Rocket**

* **Design your fin, nose, and rocket on paper first. Use this as your blueprint.**
* **Think carefully about how the fins and nose should be designed to best support the flight of your rocket.**
* **Cut out the notch pattern and glue to the mailing tube. The notch should be positioned 18.5 cm from the end of the mailing tube. THEN HAVE A PARENT CUT THE NOTCH. This step is very important, as the rubber launching band will be placed inside the notch.**
* **Glue/tape your fins and nose to your rocket cylinder.**
* **Double check that your final rocket meets the measurements outlined in the guidelines.**
* **Decorate with paint, markers, glitter, etc.**
* **Have Fun! Be Creative!**