

# NASA Goddard Visitor Center - Model Rocket Contest

## 50<sup>th</sup> Anniversary of the Apollo 11 Moon Landing



**WHEN:** **Saturday July 20, 2019 12 noon – 4 p.m.** (no rain date)

**WHERE:** NASA/Goddard Visitor Center, Greenbelt, Maryland  
(I-95 Exit 22A, Baltimore-Washington Parkway Exit for Rt. 193 East;  
then follow signs to the Visitor Center on ICE Sat Road)

**EVENT:** “Lunar” Spot Landing – land your model rocket nearest the center of a “moon” on the ground.

**COST:** FREE

**AWARDS:** First through fifth place trophies and model rocket kits will be awarded.

**REGISTRATION:** Register at the launch site on the day of the launch. The first 200 registrants will receive free “moon landing” commemorative items.

**SPONSORS:** This contest is hosted by the NASA Goddard Visitor Center and conducted by the National Association of Rocketry Headquarters Astro Modeling Section (NARHAMS). Assistance has been received from the Maryland Space Business Roundtable and model rocket companies.

**WHY:** This event is to commemorate the 50th Anniversary of the Apollo 11 Moon Landing, which happened on this date (July 20<sup>th</sup>). This STEM event also promotes interest in Space Sciences among area students.

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### Contest Rules

1. The contest is open to all model rocketeers.
2. Contestants must follow the National Association of Rocketry (NAR) Safety Code
3. Modelers must provide their own model rockets, wadding, engines, igniters, and prepping tools. The Space Center will provide the launch equipment suitable for 1/8” and 3/16” diameter straws (launch lugs).
4. In each event, contestants may fly either as an individual or as part of one team. Entry into both team and individual competition is not permitted.
5. Model rockets must use a single (NAR classification and safety certified) engine for each flight. “D” class engines or greater are prohibited.
6. Total weight of the model rocket with engine must be less than four ounces.
7. Model rockets must pass a preflight safety, engine and weight inspection at the launch site prior to launch.
8. Model rockets must land safely and must use either streamers or parachutes or gyrocopter-type devices for their recovery.
9. Model rockets must not separate into two or more unattached parts during flight.

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### Contest Judging and Other Important Information

1. Modelers may launch their models one time.
2. A launch is a successful ignition of the engine. A flight is when the model rocket starts to move upward on the launch pad and until the model rocket finally stops its descent.
3. The object of the event is to determine whose flight comes closest to reaching the center of a circular 125’-diameter “Moon” marked on the ground.
4. If a model rocket lands on the “Moon”, contestants must leave the model rocket undisturbed until the model rocket is measured.
5. Officials will only measure all model rockets that land within the “Moon’s” boundaries.
6. Measurement will be from the “Moon’s” center to the tip of the model rocket’s nosecone. The measurement becomes the contestant’s score.
7. The person with the smallest measurement (i.e., closest to the “Moon’s” center) will be declared the winner. The next smallest score will be second place and so on.
8. The contest will be flown in two age divisions: one is for those 15 years and younger; the other is for those 16 years and older. Teams will be classified by the age of the oldest team members.
9. Decisions of the judges are final.
10. These contest days have traditionally been some of the hottest days of the year, so be prepared. Also, please be prepared to have FUN!

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### Time Schedule

Visitor Center Hours for This Event	12 Noon to 4:00 p.m.
Contest Registration	12:00 p.m. to 2:30 p.m.
Demo Launch of Historic NASA Rockets	12:30 p.m. to 12:45 p.m.
Contest (Flying Period)	12:45 p.m. to 2:45 p.m.
Awards Ceremonies	3:30 p.m. to 4:00 p.m.

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For further information, call the Goddard Visitor Center at (301) 286-8981, Tuesday through Friday, 10:00 a.m. to 4:00 p.m.