

## DEPARTMENT – O-49 – Rocketry

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Entries must be completed on-line at [www.carrollcountyfair.com](http://www.carrollcountyfair.com). Entry fees need to be paid by credit card only. No late entries will be accepted.

The 2025 Rocketry Contest will be held at the Carroll County Ag Center on Saturday July 19<sup>th</sup> (1 week prior to the Fair), starting at 9:00 AM.

**Due to proposed Maryland budgetary constraints that are beyond the control of the Carroll County 4-H/FFA Fair Board, Inc., the Board reserves the right to withhold a portion of premium monies, up to and including all of an exhibitor's earned premium payment, for the 2025 4-H/FFA Fair.**

### RULES AND REGULATIONS – Rocketry Department

1. Only rockets that are stable, use proper recovery, and meet qualifications of the sub class they are entering will qualify.
2. Exhibitors are subject to the General Rules and Regulations. Decisions made by Judges and the Superintendent will be final.
3. Only one rocket may be entered in each class per person. A rocket may only be entered in one craftsmanship class, but it may be entered in more than one altitude class if it is designed for multiple motor sizes. (Example: a single rocket entered in B Craftsmanship may also qualify and be entered in A, B, and C Altitude classes. Keep in mind that most Champions build many rockets, each specifically designed to be the best in a specific class).
4. All rockets must be loaded and ready to go at class launch time (including recovery system). A rocket that misfires may be given a second chance at the end of each class. Those who need help to load rocket motors may receive this assistance after the Craftsmanship judging. Be sure to have motor and igniters available. No super motors allowed.
5. Total points for craftsmanship and rocket show will determine special awards. 1st – 5 points; 2nd – 4 points; 3rd – 3 points; 4th – 2 points; 5th – 1 point.
6. The rocket must perform satisfactorily in flight. If the rocket is deemed unsafe for flight, it will immediately be disqualified.
7. Clover Exhibitors may enter the rocketry contest. Each Exhibitor will receive a ribbon and \$3 participation premium for each entry
8. Premiums – 1<sup>st</sup> - \$10, 2<sup>nd</sup> - \$9, 3<sup>rd</sup> - \$8, 4<sup>th</sup> - \$7, 5<sup>th</sup> - \$6, all below - \$5

### Section 001 - Altitude

Class 4001	Maximum Altitude – Mini Engines
Class 4002	Maximum Altitude – A Engines
Class 4003	Maximum Altitude – B Engines
Class 4004	Maximum Altitude – C Engines
Class 4005	Maximum Altitude – D Engines
Class 4006	Spot Landing – All categories-(A selected landing point is marked and the winner of this contest is the rocket that lands closest to the selected spot. Each rocket must employ a safe recovery system that deploys at minimum of at least 50 feet.)
Class 4007	Clover Entry

## **Craftsmanship Division – Rules and Regulations**

1. Contest is open to all model rockets except those made from kits entirely of preformed plastic parts. Plastic nose cone and pay load section may be used, but no plastic preformed fin cannisters are allowed.
2. The judging is based on the skill with which the rockets are made as evidenced by: a) properly shaped and sized fins; b) strength and smoothness of joints; c) smoothness and attractiveness of painting; d) beauty of the finished model. Although kits are allowed, scratch-building is encouraged, and creativity and complexity of design are given additional weight in scoring.
3. All Craftsmanship rockets must be launched.

### **Section 002 - Craftsmanship**

Class 4011	Craftsmanship – Mini Engines
Class 4012	Craftsmanship – A Engines
Class 4013	Craftsmanship – B Engines
Class 4014	Craftsmanship – C Engines
Class 4015	Craftsmanship – D Engines
Class 4016	Clover Entry

### **Section 003 – Rocketry Special Awards**

Class 4021	Grand Champion Rocket Exhibit – award
Class 4022	Reserve Grand Champion Exhibit – award
Class 4023	Champion & Reserve Rocket Exhibit – award