

## AEROSPACE DIVISION

### Aerospace Rules and Regulations

1. In order to exhibit in the Aerospace Division, the 4-H member must be enrolled in: **Aerospace I - Pre Flight Pub. BU-6842 OR  
Aerospace II - Lift-Off Pub. BU-6843 OR  
Aerospace III - Reaching New Heights Pub. BU-6844 OR  
Aerospace IV - Pilot in Command Pub. BU-6845**
2. See General Project Guidelines
3. See judging criteria for static displays. Rocket Launch judging criteria will be provided by the rocket instructor.
4. All Aerospace exhibits (rockets to be launched and static displays) will be checked in and judged on Saturday afternoon.
5. County may submit entries to State Fair in any combination of the classes listed below. \*NOTE-All State Fair Jr. Department entries are static displays only and must meet State Fair Exhibit Guidelines.

### Rocket Launch Rules and Regulations

1. Rockets MUST be pre-tested to check for safety PRIOR to the fair.
2. To be eligible to launch at the 4-H Show, the 4-H member must meet attendance policy set by the rocketry instructor. The rocketry instructor reserves the right to determine excused/unexcused absences.
3. Judgement of weather condition is at the discretion of Extension personnel, Fair Superintendent, or Judging Staff.
4. The rocketry instructor's Safety Rules and Workshop Guidelines will be followed, as well as Federal Aviation Regulation/ Part 10/Section 101.1 and 101.23.
5. Substitute rockets may be used with the consent of Extension personnel and/or Instructor of the current year.
6. Members must include printed directions for construction of rocket.
7. Rocket Launch classes 01, 02, and 03 will be divided by the following subclasses:
  - SubClass A- Division I (1<sup>ST</sup> Year)-**  
"ALPHA" single stage rocket with a B6-4 engine.
  - SubClass B- Division II (2<sup>nd</sup> & 3<sup>rd</sup> Year)-**  
An instructor approved single stage rocket with a B6-4 engine.
  - SubClass C- Divison III (4<sup>th</sup> or More Year)-**  
Choice of rocket and engines (up to "D" engine) is up to the participant with approval of instructor.

## AEROSPACE (Cont.)

### Rocket Launch

#### Class 01- Rocket Construction for Launch

#### Class 02- Accuracy Launch

#### Class 03- Flight Duration Launch

### Static Displays

#### Class 04 – Model Rocket Construction (Do not intend to launch)

Exhibit one model rocket assembled by the member. The exhibit will be a static display. The model rocket **MUST** be in good flying condition. **DO NOT** include the rocket engine with your exhibit. The rockets in this class **will not be launched**. Member should bring the printed directions for construction of the rocket.

#### Class 05 - Aerospace Display

Any exhibit related to aerospace that does not fit into any other aerospace class. This may be an experimental or educational poster or display. Include an explanation of the display for public understanding.