

Aerospace

Judging - Thursday, July 2, at 6pm at the Fairgrounds; Shrine Building.

Each county would be permitted to send one rocket, remote control aircraft, or drone and one poster/display board in each grade category (3-5, 6-8, and 9-12). Thus each county could send a maximum of six exhibits to the state fair, 3 rockets, remote control aircrafts, or drones and 3 poster/display boards.

****Please also refer to the Policies and Procedures beginning on page 2 and the General Project Rules on page 20.***

No "Ready to Fly" or E2X rockets are acceptable in the 4-H Aerospace project.

Rockets may be exhibited with a base, but launch pads are not permitted. All rockets must weigh less than 3.3 pounds and considered an amateur rocket according to FAA regulations.

Level: (Grades 3-5): Exhibit a rocket of your choice, Estes Skill Level 1, 2, or comparable difficulty or a poster/display board on any topic in the manual (i.e. construct a paper airplane with a poster board explaining why you designed it the way you did). Cluster engine rockets and rockets that take an engine D or above are not permitted at this level.

Remote control aircraft or drone of your choice that is age/grade appropriate and compliant with FAA regulations, federal and state laws, and local ordinances. This exhibit choice is to include a notebook or poster including how the aircraft/drone was used and aerospace skills learned. Displaying the aircraft or drone is optional.

Level: (Grades 6-8): Exhibit a rocket or other aerodynamic object of your choice, Estes Skill Level 2, 3, or comparable difficulty or a poster/display board on any topic in the manual (i.e. glider plane (page 18) with poster explaining design). Cluster engine rockets and rockets that take an engine E or above are not permitted at this level.

Remote control aircraft or drone of your choice that is age/grade appropriate and compliant with FAA regulations, federal and state laws, and local ordinances. This exhibit choice is to include a notebook or poster including how the aircraft/drone was used and aerospace skills learned. Displaying the aircraft or drone is optional.

Level: (Grades 9-12): Exhibit a rocket of your choice, Estes Skills Level 3 or above, a Box kite or other aerodynamics object of your choice which illustrates principles of flight or a poster/display board on any topic in the manual (i.e. box kite (page 20) with poster explanation). Rockets that take an engine G or above are not permitted.

Remote control aircraft or drone of your choice that is age/grade appropriate and compliant with FAA regulations, federal and state laws, and local ordinances. This exhibit choice is to include a notebook or poster including how the aircraft/drone was used and aerospace skills learned. Displaying the aircraft or drone is optional.



American Heritage

Judging - Saturday, July 11 at 6:00 PM at the Antique Display Area

Awards will be presented Sunday, July 12 at 6:00 PM

No State Fair Exhibit