

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

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



Do you need help with this project? Contact Tammy Wise at tdwise76@yahoo.com.

Purpose: To encourage the interest of young people in learning about and preserving the history of our American Heritage

Goals: This 4-H project will allow youth to:

1. Identify antique items and their use.
2. Research any unique history of item in project.
3. Learn how to restore antiques.
4. Interact with the “older” generations to research uses and to secure help in identification
5. Interact with others with a similar interest and to share with others what they have learned.

Project Categories:

1. Household – furniture, kitchen, pottery, glass, etc.
2. Hand tools
3. Horse drawn and related items
4. Farm tractors
5. Implements and other farm machinery
6. Lawn tractors
7. Stationary engines
8. Miscellaneous

Project Divisions:

Junior Division: Grades 3-8 Senior Division: Grades 9-12

Project Classes:

1. **Original – In its current state of condition. Items may be cleaned up for exhibit.**
Senior division will have a Champion and Reserve Champion ribbon awarded in each category.
Junior Division will have a Champion and Reserve Champion ribbon awarded in each category.
2. **Restored – Item should be refinished, painted, rewired, etc. To be in like new condition.**
Senior division will have a Champion and Reserve Champion ribbon awarded in each category.
Junior Division will have a Champion and Reserve Champion ribbon awarded in each category.

Project Judging:

1. Projects must be accompanied with a complete description of the project and exhibit (for both originals and restored) in a notebook. The notebook must contain information about your American Heritage project, pictures and all research, your MY AMERICAN HERITAGE PROJECT form and an itemized list of all expenses. Pictures should have captions that show and explain how you were involved in your project and the work that was completed. Before and after pictures are highly encouraged.
2. On your MY AMERICAN HERITAGE PROJECT form tell your story about your project, where your item came from, history you have learned about, and all of the research you have done. You should also tell how you plan to share your knowledge of your project with others and how your appreciation of history has changed.
3. Projects will be judged on the notebook, research/history, workmanship (if restored) and the judge’s interview about the 4-H member’s knowledge of his/her project.
4. Any work performed on restoration and repair of project that is not completed by the 4-H member must be noted in the notebook.
5. The 4-H member must be present for the judge’s interview to be eligible for Champion.
6. Exhibits on display at the county fair will be on display at the 4-H member’s own risk. Valuable items can be taken home after judging, but the notebook must be left for display.