**4-H SPACE TECH – ROCKETRY**

Superintendent – Bob Rose

**SPECIAL RULES**

1. Read General Rules

2. 4-H’er should sign up for a conference judging time when they enter.

3. Each exhibitor may enter up to two rockets that have been constructed during the current year. The rocket must have been flown. Each rocket must be able to stand freely by itself or be supported on a wooden base, not to exceed ¾ inches thick by 8 inches square for small and medium-sized rockets; wooden or metal support rods must not extend past the tip of the nose cone. Support rods must – 85 – remain in the upright position. Do not angle. (Do not submit on a launch pad). **An exhibitor may not enter two rockets in the same class at the state fair.**

4. The report that accompanies the **rocket must be limited to the 4-H Space Tech Rocket Exhibit Information Form, which is glued to a 10 inch × 13 inch envelope for notebook display boards, posters, no additional information is needed.**

5. **Plans (or a copy of) must be placed inside the envelope. Photographs are also required with the exhibit.** Place one 8½ inch × 11 inch of photographs, only one side covered, inside the envelope. One to five pages of photographs.

6. For **original design** rockets, describe in summary how model was tested for stability prior to flying.

7. Angles of the fins must fall with a plus or minus 2 degrees variation.

8. Exhibit must be uniformly painted, smoothly finished, have decals applied smoothly, and be properly assembled and painted according to accompanying plans.

9. Beginning kits with prefabricated plastic fin assemblies and prefinished rockets requiring no painting are **NOT** acceptable.

10. Engines and Ignitors are not permitted with the exhibit. Exhibitors who exhibit a rocket using a size E engine or larger will be required to provide National Association of Rocketry (NAR) membership number on the exhibit information sheet.

11. See Kansas State Fair rules on alternative skins.

**Class:**

2401. Rocket (kit or original), exhibitors 8 years and Younger

2402. Rocket made from kit, exhibitors 9-13 years of age

2403. Rocket designed from original materials (no kit parts), exhibitors 9-13 years of age

2404. Rocket made from kit, exhibitors 14 years and Older

2405. Rocket designed from original materials (no kit parts), exhibitors 14 years and older

2406. Rocket designed by exhibitor 14 years and Older that uses alternative skins; not merely a modification of an existing kit. Include original plans.

2407. Rocket designed by two or more exhibitors, 9 years and Older, from original materials (no kit parts)

2408. High power rockets made from kits or original design. (See Kansas State Fair guidelines)