

## 4-H ROCKETRY PROJECT CALENDAR – 2021

### A. County-wide meetings:

1. Wednesday, February 17 - 7:00 p.m., Zoom Meeting - orientation and get acquainted session
2. Thursday, March 18 – 6:00-8:00 p.m., Either live at the Fairgrounds Stock Pavilion or via Zoom (Watch Facebook for changes) – project workshop including building tips, rocketry finishing suggestions, safety and stability; information on air-powered rockets, trouble shooting, etc.
3. Sunday, April 4 – 1:00-4:00 p.m., Either live at the Fairgrounds Stock Pavilion or via Zoom (Watch Facebook for changes) – hands-on rocket building workshop (bring your rocket kit!) and a question/answer session about the project

### B. Rocketry practice launch and painting workshop:

- Saturday, May 15 at 8:00 a.m. - Thresheree Park, south end, Cox Road entrance – Bring your old rockets to launch from prior years or launch a rocket we have. It is not suggested you launch the rocket you plan to use in the current year as an entry at this event but bring it to show it off or ask questions if you want. Leaders will be available to discuss current projects you are working on and provide trouble shooting suggestions and go over the launch system.

### C. 4-H Fair contest launch - Launch rockets will be judged on this date:

- Saturday, July 10 - Thresheree Park, south end, Cox Road entrance. Also the day of the spot landing contest, using the either the Alpha, Viking, Wizard or Comet Chaser rocket with an A8-3 engine and **ONLY** the streamer recovery included with the kit **NOT** the parachute.
  - a. Registration: 7:30 a.m. to 10:30 a.m.
  - b. Judging/Spot Landing Contest: 8:00 a.m. to 11:00 a.m.Rain date: Sunday, July 11, 8:00 a.m.-noon, same location

- D. Entry and judging day at the Rock County 4-H Fair is Tuesday, July 27. All rockets and other rocketry projects are due. Face-to-face judging is from 10:00 a.m. to 6:00 p.m. in the Blackhawk Building.
- E. Mechanical Science trophies will be presented on Thursday, July 29 at 6:00 p.m. in the Craig Avenue Pavilion at the fairgrounds.
- F. Exhibit release is Sunday, August 1 from 7:00 p.m. to 8:30 p.m. in the Blackhawk Building.

## Rocketry Judging Rubrics

### 1. Scoring for kit rockets:

185 to 200 - Blue

165 to 184 - Red

164 and below - White

Engine ejected from rocket – lowered one ribbon

Rocket not launched but exhibited at the Fair - Pink

### 2. Scoring for home design and air-powered rockets:

90 and up - Blue

80 to 89 - Red

79 and below - White

Engine ejected from rocket – lowered one ribbon

Rocket not launched but exhibited at the Fair - Pink

### 3. Scoring for Spot Landing Contest:

50' or less from the flag - Blue

100' to 50'01" from the flag - Red

over 100' from the flag - White

Engine ejected from rocket – lowered one ribbon

Rocket not launched but exhibited at the Fair – Pink

