

4-H AIRCRAFT 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 or Q&A session.
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 building workshop (**bring your aircraft kit!**) and a question/answer session about the project. Some Mini-Aircraft (Lot 17) obstacles will be set up for practice if possible.

B. 4-H Fair Aircraft Fly - aircraft built to fly will be flown on this date (excluding Lot 17):

- Saturday, June 19 – Parker High School athletic field, Janesville. (Rain date – Sunday June 21, same time and location)
 - a. 10:00 - 11:00 a.m. - registration, final trimming and set-up
 - b. 11:00 a.m. - 1:00 p.m. - aircraft built to fly timed fly-off

C. Entry and judging day at the Rock County 4-H Fair is Tuesday, July 27. All aircraft and other aircraft projects are due. Face-to-face judging is 10:00 a.m.-6:00 p.m. in the Blackhawk Building.

D. Mini-Aircraft Drone Obstacle Course, July 27 from 9:00 a.m. to Noon in the Stock Pavilion at the fairgrounds.

E. Spot Landing Contest will be Tuesday, July 27 at the Grandstand at Fairgrounds, Noon – 1:00 p.m.

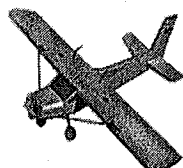
F. Mechanical Science trophies will be presented on Thursday, July 29 at 6:00 p.m. in the Craig Avenue Pavilion at the fairgrounds.

F. Exhibit release is Sunday, August 1, 7:00-8:30 p.m. in the Blackhawk Building.

IMPORTANT NOTE ON RAIN DATES: If the weather (rain, high wind etc.) prevents the event from being held on the rain date listed, **it is the responsibility of the member** to contact the Key Leader or their project leader for rescheduling information.

Aircraft Key Leaders:

Richard Reinke, 752-1516
Jon Swenson 752-6040 or 201-2724
Ardell Wolter 879-9483 or 302-9566



Aircraft Judging Rubrics

Scoring for the 4-H Aircraft Project Fly will be divided into Glider and Rubber Band Powered. Each entry is judged by the best of three (3) flights (longest air time) from release to touchdown.

Rubric scoring for Spot Landing Contest:

- Center "bullseye" ring - Blue
- 2nd ring from center - Red
- 3rd ring from center - White
- Outside 3rd ring - Pink

Glider Built to Fly (Times in seconds):

<u>Award</u>	<u>Class A</u> <u>Grades 3-5</u>	<u>Class B</u> <u>Grades 6-8</u>	<u>Class C</u> <u>Grades 9 & up</u>
Blue	5 sec. +	5.5 sec. +	6 sec. +
Red	3.5 to 5 sec.	4 to 5.5 sec.	4.5 to 6 sec.
White	2 to 3.5 sec.	2.5 to 4 sec.	3 to 4.5 sec.
Pink	less than 2 sec.	less than 2.5 sec.	less than 3 sec.

Rubber Band Powered Aircraft Built to Fly (Times in seconds):

<u>Award</u>	<u>Class A</u> <u>Grades 3-5</u>	<u>Class B</u> <u>Grades 6-8</u>	<u>Class C</u> <u>Grades 9 & up</u>
Blue	10 sec. +	11 sec. +	12 sec. +
Red	7 to 10 sec.	8 to 11 sec.	9 to 12 sec.
White	4 to 7 sec.	5 to 8 sec.	6 to 9 sec.
Pink	less than 4 sec.	less than 5 sec.	less than 6 sec.

U-Control Aircraft Rubric:

- Blue Displays excellent skill and control of aircraft throughout flight. (Takeoff to landing controlled well)
- Red Displays good skill and control of aircraft with minimal problems throughout flight. (Takeoff /landing problem but no damage to aircraft)
- White Displays basic skill and knowledge to control aircraft but needs more practice. (Problems during takeoff and landing)
- Pink Displays poor ability to control aircraft. (Aircraft doesn't get airborne or crashes)

Note: Rubrics may be adjusted for flying and weather conditions on the day of flight.