

AEROSPACE: AVIATION

Superintendent:

4-H Resources: Division 1—Division 1 manual
 Division 2—Division 2 manual, Indiana Aeronautical Chart
 Division 3—Division 3 manual

REQUIREMENTS FOR PROJECT AND EXHIBIT:

1. Read and study project book for each division.
 2. Exhibit Notebook with exercises completed for each Division.
 3. Complete prior year's Division before starting next Division.
- ALL LEVELS: Notebook should include information from previous years in Aviation project.

All posters, notebooks and display boards **MUST** include a reference list indicating where information was obtained, giving credit to the original author, to complete the 4-H member's exhibit. This reference list should/might include web site links, people and professionals interviewed, books, magazines, etc. It is recommended this reference list be attached to the back of a poster or display board, be the last page of the notebook, or included as part of the display visible to the public. A judge is not to discredit an exhibit for the manner in which references are listed.

DIVISION 1:

1. Exhibit is to be a poster of a single-wing, single engine, private type airplane, with all control surfaces and major aircraft parts labeled.
2. Notebook with "Things You Can Do" work completed.
3. Completed Record Sheet in notebook.

DIVISION 2:

1. Exhibit is to be a poster of an Aeronautical Chart of the State of Indiana.
 - A. Locate the following:
 1. Sullivan County Airport
 2. Indianapolis International Airport
 3. Monroe County, Bloomington, Indiana Airport
 - B. Plot your true course and distance in nautical miles:
 1. From Sullivan County Airport to Indianapolis International Airport
 2. From Indianapolis International Airport to Monroe County Airport
 3. From Monroe County Airport to Sullivan County Airport
 - C. Attach your filled out flight plan and flight log to the chart exhibit.
2. Notebook with "Things You Can Do" work completed.
3. Completed Record Sheet in notebook.

DIVISION 3:

1. Exhibit is to be a poster depicting weather reports and charts used by pilots.
 - A. Surface Hourly Weather Report – Interpret one line of report.
 - B. Winds and Temperature Aloft Forecast – Interpret one line of forecast.
 - C. Surface Forecast map – Locate front, highs and lows
2. Notebook with "Things You can Do" work completed.
3. Completed Record Sheet in notebook.

DIVISION 4 AND ABOVE:

Member should consult with Aviation Superintendent to show growth and challenge in the project and exhibit.

POSTER RULE: Posters must be 22" x 28", horizontal, stiff backed, plastic covered, and any color.