

# WEATHER AND CLIMATE SCIENCE

STATE FAIR ENTRY: Yes

EXHIBIT BY: All \* items must come to project judging.

Division	Project Book	Record Book
Level 1 (grades 3- 5)	4-H-1023*	4-H-1023*
Level 2 (grades 6 – 8)	4-H-1024-W*	4-H-1024-W*
Level 3 (grades 9 – 12)	4-H-1025-W*	4-H-1025-W*
Complete the activity(s) related to your exhibit.		



**JUDGING TIME:** Friday, July 16 at approximately 2:30 p.m. Check in your project on Friday, July 16 between 12:30 p.m. and 1:15 p.m.

## PROJECT DESCRIPTION:

Learn to observe changes and keep record of the changes in weather. Begin spotting storms and observe the weather from a scientific point of view. Study cloud formations and learn about fronts.

## EXHIBIT:

- ✓ Create an exhibit that shows the public what you learned in the weather and climate science project this year.
- ✓ Notebook exhibits must be displayed in a standard three ring binder.
- ✓ Use an appropriate exhibit title.

## Poster Requirements:

1. Poster exhibits should have the standardized exhibit card in the lower right hand corner with the 4-H member's name, project and club. You should allow room on your poster for the exhibit card (Height - 3½" x Width – 4¼"). The exhibit card will be available at check-in time at the fair. **NOTE: Add your name, club and the date poster was completed in the bottom right corner in permanent ink under the plastic, where the exhibitor card will cover.**
2. Posters must be 22" x 28" and DISPLAYED HORIZONTALLY and not vertically.
3. POSTER MUST BE SELF-SUPPORTING (remain standing when leaned at a slight angle). Use heavy cardboard, foam board, or pegboard for stiffness. For sources of heavy cardboard, contact the Extension Office.
4. All posters must be covered with clear plastic.
5. 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 a 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.

## Level Requirements:

### Level 1 – Grades 3 - 5

- ✓ A poster related to an activity from the level 1 manual
- ✓ A poster and/or notebook of a weather or climate related science experiment appropriate for grades 3-5

### Level 2 – Grades 6 - 8

- ✓ A poster related to an activity from the level 2 manual
- ✓ A poster and/or notebook of a weather or climate related science experiment appropriate for grades 6-8

### Level 3 – Grades 9 - 12

- ✓ A poster related to an activity from the level 3 manual
- ✓ A poster and/or notebook of a weather or climate related science experiment appropriate for grades 9-12.

**Independent Study** - Learn all you can about a weather and/or climate topic, program, facility, project, etc. and present it on a poster or in a notebook. Include a short manuscript, pictures, graphs, and list the works

cited to describe what you did and what you learned. Title your poster or notebook, "Advanced Weather and Climate Science - Independent Study".

**Mentoring** - Exhibit a poster or notebook that shows how you mentored a younger 4-H member. Include your planning, the time you spent, the challenges and advantages of mentoring, and how the experience might be useful in your life. Photographs and other documentation are encouraged. Title your poster, "Advanced Weather and Climate Science - Mentor."