

WEATHER AND CLIMATE SCIENCE

PLEASE NOTE: Any changes/updates from the previous year will be *BOLDED and ITALICIZED!* Pay special attention to any projects with **BOLD, ITALICIZED WORDS because they have changed from last year.**

Youth will learn basic information about weather and the climate, including what causes variations in weather and why we have different seasons and climates on the earth. In this project you will observe and record weather conditions and learn weather symbols.

<i>Completion, exhibition participation, and State Fair information for Weather and Climate Science</i>			
Division/Level	Grades	Completion Activities Needed*	Maximum State Fair Entries
<i>Level 1</i>	<i>Grades 3-5</i>	<i>Complete 7 Activities* and Record Sheet</i>	<i>1 Entry</i>
<i>Level 2</i>	<i>Grades 6-8</i>	<i>Complete 7 Activities* and Record Sheet</i>	<i>1 Entry</i>
<i>Level 3</i>	<i>Grades 9-12</i>	<i>Complete 7 Activities* and Record Sheet</i>	<i>1 Entry</i>

*"Activities" are defined as project manual activities and/or Hendricks County 4-H Workshops related to this topic. Members must be able to prove attendance by getting a signature from 4-H Leader/Project Advisor that conducts the workshop. Activity sheets available in the Extension Office with Weather and Climate Science Project Manuals. Fair Exhibit requirements are listed below.

Remember: 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. Reference Sheets are available at the Extension Office for use. For personal safety, do not include personally identifiable information such as mailing address or phone numbers on posters/displays/exhibits.

RULES:

1. Refer to the Hendricks County 4-H Policies, Entry & Exhibit Requirements.
2. Be sure to enroll in the project on 4-HOnline and enter exhibit information into FairEntry by designated date.

EXHIBIT:

Create an exhibit that shows the public what you learned in the weather and climate project this year. Poster exhibits must be displayed horizontally, sized 22" x 28" foam-core board or poster board mounted on a firm backing, and covered in clear plastic or other transparent material. Notebook exhibits must be displayed in a standard three ring binder. Choose one (1) of the options listed below, appropriate for your grade in school. Use an appropriate exhibit title. Be sure to include a label with your name, grade, 4-H club, and county in the lower right-hand corner.

Level 1: Grades 3 - 5

Exhibit

- 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

Exhibit

- 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

Exhibit

- 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."