

# WEATHER AND CLIMATE SCIENCE

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.

## Superintendent:

**State Fair Exhibits:** *One from each level A - D*

## RULES

1. Refer to the Parke County 4-H Policies, Entry & Exhibit Requirements.

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.

## 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 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."