

# SOIL & WATER 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.**

The soil and water science project teaches youth about soil, water, and environmental stewardship. Learn about soil and water quality, how they interact, and how we can protect and preserve them.

*Completion, exhibition participation, and State Fair information for Soil and Water Science*

<b>Division/Level</b>	<b>Grades</b>	<b>Completion Activities Needed*</b>	<b>Maximum State Fair Entries</b>
<i>Level 1</i>	<i>Grades 3-5</i>	<i>Complete 5 Activities*</i>	<i>1 Entry</i>
<i>Level 2</i>	<i>Grades 6-8</i>	<i>Complete 5 Activities*</i>	<i>1 Entry</i>
<i>Level 3</i>	<i>Grades 9-12</i>	<i>Complete 5 Activities*</i>	<i>1 Entry</i>
<i>Independent Study</i>	<i>Grades 9-12</i>	<i>Complete 5 Activities*</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 Soil and Water 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.

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 soil and water science 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: Grade 3 - 5

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

### Level 2: Grade 6 - 8

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

### Level 3: Grade 9 - 12

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

**Level: Independent Study: Grade 9 - 12**

- **Independent Study** -Learn all you can about a soil and/or water 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 Soil and Water 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 Soil and Water Science -Mentor."