



Minnesota 4-H Exhibit Evaluation

Natural Resources: Geology

4-H'er Name: _____ Grade: _____

County or Club: _____ Years in 4-H: _____ Years in Project: _____

About the project/exhibit	About your exhibit
<input type="checkbox"/> Purple <input type="checkbox"/> Blue <input type="checkbox"/> Red <input type="checkbox"/> White <input type="checkbox"/> Other	Comments: <ul style="list-style-type: none"> • Strengths/accomplishments • Skills learned • Areas to work on • Possible new challenges • Questions to think about
<p style="text-align: center;">50% of Score</p> <p>Learning Involved:</p> <ul style="list-style-type: none"> • Has general knowledge of various types of rocks and minerals. • Did new information/learning occur? • Can explain the importance of geology related to their exhibit. • Can clearly explain how they shared knowledge/skills with others. • Can express appreciation for geology as a hobby or form of recreation or has explored careers related to geology. 	
<p style="text-align: center;">50% of Score</p> <p>Workmanship & Techniques of Exhibit:</p> <ul style="list-style-type: none"> • Information used is accurate. • Exhibitor is able to identify resources. • Exhibit is well organized and easy to view. <p>General Appearance and Design:</p> <ul style="list-style-type: none"> • Points are easily understood by the audience. • Is the display effective in helping the viewer understand? • Does the message flow from beginning to end? • Are modern display techniques (such as the hands-on components) used to teach about the topic? • Are familiar examples and experiences used to make points? 	

(over)

Area	Details
Guidelines	<ul style="list-style-type: none"> • Poster exhibits may not exceed 22" wide x 28" high. Three dimensional displays may not exceed 12" deep x 24" wide x 36" high. • Exhibits are not limited to three dimensional displays or posters. They may be actual models, games or technology related exhibits. • If doing a rock collection display; attach specimens to a backboard in a glass-topped case. Case should be approximately 19" x 16.5" x 3". Secure the specimens so that they will not fall off if the case is set on its edge. • Creativity is encouraged. • Resources should be credited and documented for written aspects of the project (e.g., books, websites, 4-H or Extension publications, mentors, magazine articles, etc.).
Exhibit Ideas	<ul style="list-style-type: none"> • Display of rocks, minerals, gemstones, a rock plate; can be displayed in an egg carton for younger youth, or in a display case as youth progresses in the project; include in the display, labels of specimen name and location collected. • Rocks, minerals, or fossils from within Minnesota or on a definite theme such as metamorphism, weathering, quartz minerals, ores, or a theme of your own choosing. • Polished rock specimen; include an unpolished specimen of each rock type for comparison. • Educational exhibit showing the "science how's and why's" dealing with the principles of geology and natural earth sciences. • Exhibit explaining the three main rock types (Igneous, Metamorphic, Sedimentary) include examples of each. • Model of a geologic earth structure or feature such as volcano, mountain range, plate tectonics, earthquake, cave, glacier. • Timeline of geological time scale.

Revised March 2023

Available resources

Minnesota 4-H resources

[4-H Geology Project](#)

National 4-H resources

[Browse National 4-H resources at https://shop4-h.org/](https://shop4-h.org/)

Other resources

[MN Geological Survey at https://www.usgs.gov/](https://www.usgs.gov/)

History of Minnesota Rivers by Herb Wright

Glaciers of North America: A Field Guide by Sue A. Ferguson

Rocks and Minerals, A Golden Book Series by Herbert Zin and Paul R. Shaffer

Minnesota's Geology by Ojakangas and Matsch