



**Enroll in ZSuite Under this Project Name:** NS-4-H GEOLOGY

*Approved for 2024-25 Project Year*

**Project Description:** This project book is divided into four levels, which are all covered within the one manual. Youth will learn the story of the earth through its rocks in order to gain a better understanding of the earth and the sources of the minerals we use every day.

#### REQUIRED YOUTH CURRICULUM

[4-H Geology: Introduction to the Study of the Earth](#) (01706Y), 2017

[ZSuite 4-H Involvement Report](#)

[ZSuite 4-H Project Record Book](#)

#### REQUIRED VOLUNTEER CLUB LEADER CURRICULUM

[4-H Geology: Introduction to the Study of the Earth](#) (01706Y), 2017

#### SUPPLEMENTAL RESOURCES

[Idaho-specific websites for Geology Project](#)



## PROJECT COMPLETION CHECKLIST

STATE REQUIREMENTS	
	For each level in the manual (Pebble Pups 1, Pebble Pups 2, Rock Hounds 1, or Rock Hounds 2), complete the number of Required Activities and Closer Look Activities specified. Have your project leader or helper initial and date each activity as it is completed.
	Complete the 4-H Project Record Book for this project in your ZSuite Member Account
	Fill out your 4-H Involvement Report in your ZSuite Member Account
	Give an oral presentation (speech, demonstration, or illustrated talk) to your 4-H peers on a topic related to this project. Recommended guidelines for length of oral presentations are: <ul style="list-style-type: none"> <li>• Junior: 5-8 minutes</li> <li>• Intermediate: 8-10 minutes</li> <li>• Senior: 10-12 minutes</li> </ul>

ADDITIONAL LOCAL REQUIREMENTS

FAIR EXHIBIT CHECKLIST	
	Completed Idaho 4-H Involvement Report (ZSuite)
	Completed Idaho 4-H Project Record Book for this project (ZSuite)
	<b>For Pebble Pups 1:</b> 8-19 rock specimens, with 3 minerals in the collection. May include duplicates that show variations. Label collection and note where found.
	<b>For Pebble Pups 2:</b> 20-29 rock specimens, with 7 minerals in the collection. May include duplicates that show variations. Label collection and note where found.
	<b>For Rock Hounds 1:</b> 30-40 rock and mineral specimens, with 10 minerals in the collection. Rocks must include at least 3 igneous, 2 metamorphic and 3 sedimentary groups. Label collection and note where found.
	<b>For Rock Hounds 1:</b> No more than 50 specimens, selected to illustrate a specific theme of your choosing. Examples include industrial minerals and their use, fossils traced through geological areas, or rocks and minerals used in lapidary arts.