

Scout:



Down And Dirty

This module is designed to help you explore how earth science affects your life each day. Refer to full requirements at: www.scouting.org/stem/requirements.

1. Choose A or B or C and complete ALL the requirements.		
A. Watch an episode or episodes (about one hour total) of a show about Earth, Weather, Geology, Volcanos, or Oceanography. Then do the following:		
(1) Make a list of at least two questions or ideas from what you watched.		
(2) Discuss two of the questions or ideas with your counselor.		
B. Read (about one hour total) about the Earth, Weather, Geology, Volcanos or Geography. Then:		
(1) Make a list of at least two questions or ideas from what you read.		
(2) Discuss two of the questions or ideas with your counselor.		
C. Do a combination of reading and watching (about one hour total) about anything that involves any of the four topics above, then do the following:		
(1) Make a list of at least two questions or ideas from what you read and watched.		
(2) Discuss two of the questions or ideas with your counselor.		
Date		Completed A, B or C
2. Complete ONE adventure: Wolf – Collections and Hobbies; Digging in the Past; Grow Something. Bear - Critter Care; Super Science. Webelos- Adventures in Science; Earth Rocks!		
Date		Adv
3. Investigate A or B or C or D and complete ALL the requirements for those options.		
A. Volcanoes erupt		
(1) How are volcanoes formed?		
(2) What is the difference between lava and magma?		
(3) How does a volcano both build and destroy land?		
(4) Build or draw a volcano model. Use safety precautions for building; Draw cross section for drawing.		
() Share your model and what you have learned with your counselor.		
B. Rock On		
(1) What minerals are common in your state? Make a collection of 3-5 common ones and explain how used.		
(2) Are these minerals found in sedimentary, igneous, or metamorphic rocks?		
(3) Explain or demonstrate the difference in formation of three types of rocks. Which are common in your area		
(4) Chare your collection and what you have learned with your counselor.		
C. Weather changes our world		
(1) Make 3 weather instruments. Use these for four methods and keep a log. Which is most accurate?		
(2) Keep a weather journal for a week. Answer all questions found on requirements page.		
(3) Discuss your work with your counselor, share journals and instruments.		
D. Animal Habitats: Choose TWO of the following and complete activities and questions:		
(1) Prairie (2) Temperate Forest (3) Aquatic ecosystem (4) Temperate or subtropical rain forest		
(5) Desert (6) Polar ice (7) Tide Pools		
(2) Aquatic ecosystem: Visit an aquatic habitat near your home. Observe and answer all requirements.		
Date		Completed A, B or C
4. Visit. Choose A or B and complete ALL the requirements.		
A. Visit a place where earth science is being done. Complete all requirements.		
B. Explore a career associated with Earth Science. Complete all requirements.		
Date		Completed A or B