

OCEANOGRAPHY MERIT BADGE

Requirements and Prework/Homework

The Oceanography Merit Badge at Cub Run RECenter takes approximately 4 hours of class/field time. Other work will need to be done at home before the merit badge class.

Please bring the following:

- Blue card, pen and pencil
- Snack and water bottle
- All prework/homework
- **ARRIVE ON TIME – EARLY IS BETTER! PLAN TO ARRIVE AT LEAST 5 MINUTES EARLY.**

PREWORK

Read the Oceanography Merit Badge booklet

Do Requirement 4.

4. Draw a cross-section of underwater topography. Show what is meant by:
 - a. Continental Shelf
 - b. Continental slope
 - c. Abyssal plain

Name and put on your drawing the following: seamount, guyot, rift valley, canyon, trench, and oceanic ridge. Compare the depths in the oceans with the heights of mountains on land.

Do Requirement 8

8. Do ONE of the following:
 - a. Write a 500-word report on a book about oceanography approved by your counselor (the book can be about any oceans topic from deep sea exploration, the Alvin, marine mammals, coastal processes, commercial fishing, etc.)
 - b. Visit one of the following
 - 1) Oceanographic research ship
 - 2) Oceanographic institute (the Oceans Hall at the Smithsonian or a large aquarium like the Baltimore Aquarium counts here)Write a 500-word report (or more) about your visit
 - c. Explain to your troop in a five-minute prepared speech “Why Oceanography is Important” or describe “Career Opportunities in oceanography”