

Prework for the Space Exploration Merit Badge



Please bring your own blue card and workbook! They are NOT provided!

5) Do **Two** of the following:

a) Discuss with your counselor a robotic space exploration mission and a historic crewed mission. Tell about each mission's major discoveries, it's importance, and what was learned from it about the planets, moons, or regions of space explored.

b) Using magazine photographs, news clippings, and electronic articles (such as from the Internet), make a scrapbook about a current planetary mission.

c) Design a robotic mission to another planet or moon that will return samples of its surface to Earth. Name the planet or moon your spacecraft will visit. Show how your design will cope with the conditions of the planet's or moon's environment.

7) Design an inhabited base located within our solar system, asteroids, or other locations that humans might want to explore in person. Make drawings or a model of your base. In your design, consider a plan for the following:

a) Source of energy

b) How it will be constructed

c) Life-support system

d) Purpose and function

8) Discuss with your counselor two possible careers in space exploration that interest you. Find out the qualifications, education, and preparation required and discuss the major responsibilities of those positions.