Royal Rangers

Merit Requirements: Red-Bordered Merit

SPACE EXPLORATION

1. Write a 100-word report on the purpose of space exploration including:
   a. Historical reasons
   b. Obtaining specific knowledge
   c. Benefits to mankind (technology and new products)

2. List at least ten main steps in humanity's movement into space.

3. Make a timeline listing the five manned space flights from Requirement 4 and the five unmanned space flights from Requirement 5. Add an additional five space flights. The completed timeline should have at least two flights for each decade from 1960 to the present.

4. Make a list of any five different manned space flights, one of which must be a space shuttle mission. Include the following for each:
   a. Crewmembers' names
   b. Project name
   c. Date of launch
   d. Reason for and highlights of the mission
   e. Reason why you chose that particular manned space flight

5. Make a list of any five different unmanned space flights. Include the following for each:
   a. Project name
   b. Date of launch
   c. Reason for and highlights of the mission
   d. Important discoveries made during the flight
   e. Reason why you chose that particular unmanned space flight

6. List the name of the first U.S. astronaut to fly in space, the date of his flight, and the name of the project.

7. Explain why the United States space shuttles were built.

8. List seven uses of the space shuttle.

9. Name the oldest man to fly in space, and list his age at the time of his flight.

10. Name the first U.S. woman to fly in space.

11. Write a 250-word report on any aspect of space exploration of most interest to you.

12. Construct a chart of recent information about the planets. For each planet, make a list to include
    a. Distance from the sun
    b. Number of moons
    c. Length of day
    d. Length of year
    e. At least two other important facts

13. Make a scrapbook of magazine photographs, news clippings, or web site information, and pictures about space exploration. This scrapbook must contain at least ten pages and/or thirty articles or photos.