**Scout:**

**Out of This World**

This module is designed to help you learn about space exploration. 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 the planets, space, space exploration, NASA, or astronomy. 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 same topics. Then do the following:
     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 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.

<table>
<thead>
<tr>
<th>Date</th>
<th>Completed A, B or C</th>
</tr>
</thead>
</table>

2. Complete ONE Adventure from this list, then discuss what kind of science, technology, engineering or math was used in the Adventure.

- **Wolf:** Air of the Wolf; Collections and Hobbies; Germs Alive!; Motor Away
- **Bear:** A Bear Picnic Basket; Robotics; Super Science
- **Webelos:** Adventures in Science; Engineering; Game Design

<table>
<thead>
<tr>
<th>Date</th>
<th>Adv</th>
</tr>
</thead>
</table>

3. Choose TWO from A or B or C or D or E or F and complete ALL the requirements for the options you choose.

- **A.** Have a star party with your den, pack, or family. (See all requirements online)
- **B.** Explain how ‘revolution’ or ‘orbit’ compares with ‘rotation’. (See all requirements online)
- **C.** Design a model Mars rover (See all requirements online)
- **D.** Design on paper an inhabited base located on Mars or the Moon. (see all requirements online)
- **E.** Become an asteroid mapper (See all requirements online)
- **F.** Eclipses (see all requirements online)

4. Visit or explore. Choose A or B and complete ALL the requirements.

- **A.** Visit a place where space science is being done, used, explained or investigated (see more online)
- **B.** Explore a career associated with space exploration. (see more online)

5. Tell your counselor what you have learned about space exploration while working on this award.

<table>
<thead>
<tr>
<th>Date</th>
<th>Completed Two: A,B,C,D,E,F</th>
</tr>
</thead>
</table>