



Astronomy Club Patch Program

Grade Level Requirements:

To earn this patch, complete activities and mark on Tracking Sheet (back of this). Complete activities 1, 2 and 3 PLUS each grade level must also complete the minimum number of additional activities. Daisies=2 more activities, Brownies=3 more activities, Juniors=5 more activities, Cadettes=7 more activities, Seniors & Ambassadors=8 more activities.

- 1. Go on a night hike and observe the stars in the sky (or at a planetarium) and identify at least three constellations.**
- 2. Make a planisphere (also known as a star wheel or star chart). Use it to help identify the stars and constellations in the night sky.**
- 3. Identify and learn about two females who contributed to the field of astronomy and share at Troop or Service Unit event.**
4. Attend a Camp event related to space or astronomy.
5. Find the North Star through a telescope.
6. Learn about the history of space exploration.
7. Using a real constellation, draw a figure connecting many of the stars in a new way and create a legend to go with it. Share your story with your group or another group.
8. Look at images from the Hubble telescope and create a piece of art inspired by one of the images.
9. Learn the difference between a planetarium and observatory. Visit one if possible.
10. Learn how to use a sundial and make one.
11. Make a diagram of a comet and its parts.
12. Learn how to use a star map.
13. Start an astronomy club with your troop that you can meet with on campouts.
14. Learn about moon myths from at least two cultures.
15. Identify the star closest to earth and list five facts about it.
16. Make the solar system to scale—it can be a drawing, a model or a 3D piece of art.
17. Identify two college-level astronomy courses that are offered at a college or university near you.
18. Learn what constellations are visible for each season
19. Identify one astronomy-related career. Find out what type of education you would need to get the job, what typical job duties it would entail and what the salary range would be.
20. Create a piece of art in any medium inspired by something found in the night sky.
21. For older girls: Develop and/or lead an activity or event where you help younger girls meet one of the other requirements for this patch.
22. Learn which of the nine planets are visible to the naked eye. Try to locate at least one of these during a star gazing adventure.

Astronomy Club Patch Program Tracking Sheet

Instructions: For activities 1-3 mark date completed and place a check mark if completed individually or as a troop. For the additional activities, write in which activity was completed as well as date and if individually or as a troop.

Girl's Name: _____ **Level:** _____

	Daisies date completed	Brownies date completed	Juniors date completed	Cadettes date completed	Sr./Amb. date completed	Completed individually	Completed as a troop
Required Activity #1							
Required Activity #2							
Required Activity #3							
Add'l. Activity completed: -----							
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Add'l. Activity completed: -----							

Congratulations! You have now earned your patch!

Bring your Tracking Sheet to any one of our Shops to purchase your patch!