



The Hong Kong Girl Guides Association
Interest Badge Syllabus
Guide Section

Star Gazing

- I. Keep a logbook with photos over a period of six months or above at approximately the same time in the evening giving observations of stars, moon and planets (if any) visible from a window, garden or a designated place. There should be at least five entries of the shapes and positions of the moon or stars (including direction and height. It is suggested that the photo should include buildings or landscapes so as to show its height from the land.) You should also record the time and the weather. (e.g. clear sky, cloudy, etc.)
- II. Recognize the shape and location for eight of the following:
 1. The Big Dipper, the “W” of Cassiopeia and point out the location of the Polaris
 2. The big triangle in Spring (Spica, Denebola, Arcturus)
 3. The Leo
 4. The Scorpio
 5. The Centaurs
 6. The Gemini
 7. The Taurus
 8. The approximate location of the centre of the Milky Way
 9. The Polari
 10. The big curve of the Spring (the curve formed by the Saptarishi, Arcturus and Spica)
 11. The big triangle of Summer (Altair, Lyra and Cygnus)
 12. The big square of Autumn (the four stars at the belly of the Pegasus)
 13. The big triangle of Winter (Orion, Sirius, Procyon)
- III. Understand the following on star gazing:
 1. The attitude of star gazing and the suitable conditions for star gazing such as season, date and weather.
 2. The types of astronomical phenomena in the atmospheric layer.
 3. The difference of astronomical phenomena in different parts of the world.
 4. The relationship between seasons and the starry sky.
 5. The number of planets and their names.
 6. The number of constellations.
 7. Different shapes of the moon.
 8. Constellations in any two seasons in the four. You must list at least one in each season.



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- IV. Know how to use simulated star softwares and use them to find out information of astronomical phenomena.
- V. Know how to use a rotate star chart.

Hong Kong Award for Young People

Candidates who have completed the Skill Section in the Bronze Level of the HONG KONG AWARD FOR YOUNG PEOPLE in this topic are qualified of this badge.