

Astronomer



Complete the following:

1. Outline the following observational astronomy concepts:
 - (a) Chinese constellations and Western constellations;
 - (b) The movements of the Sun, the moon, stars and planets on the celestial sphere and their observational characteristics; and
 - (c) Transitions of seasons.
2. Name the causes, characteristics and observation methods of the following astronomical phenomena: lunar phase, solar eclipse, lunar eclipse, meteor and meteor shower.
3. Have a basic understanding of the major members of the solar system.
4. Outline the structure of the universe.
5. Understand the etiquette of star-gazing and the influence of light pollution on star-gazing; know about the location of star-gazing sites in Hong Kong.
6. Demonstrate a safe method to observe the Sun.
7. Able to describe the functions of an astronomical telescope and its principles.
8. Participate in an outdoor star-gazing event at night. Use a rotating star map to identify at least three or more constellations in the activity and identify directions with the help of constellations.

9. Participate in an observational event of a special astronomical phenomenon; or compile a report systematically on the observations of moon-phase or similar phenomenon for one month.



Completion of this Badge, including a total of six months or above in lecture or practicum, would be counted as an equivalent of relevant item under Skills Section of the Hong Kong Award for Young People Bronze Award