

Meteorologist



Complete the following:

1. Know the various meteorological elements and their importance.
2. Be familiar with the Hong Kong climate and its characteristics.
3. With the aids of weather charts, be able to explain the weather changes resulting from the various pressure systems.
4. Understand the formation of various types of precipitation and their characteristics.
5. Be able to recognise different cloud types.
6. Be familiar with the terminology widely used in Hong Kong weather reports, the warning signals and the related safety precautions.
7. Be able to use weather instruments to measure meteorological element.
8. Complete one of the following tasks:
 - a) Design and construct an instrument for measuring one the meteorological elements such as temperature and humidity, wind direction and speed, pressure, rainfall or hours of sunshine.
 - b) Design an experiment or model, to demonstrate and explain one of the weather systems or phenomena such as tropical cyclone, tornado, cold front, warm front, thunderstorm, water cycle, the formation of cloud, fog or hail.
 - c) Design a presentation to demonstrate an understanding of meteorology.