

Intermediate Air Activity



Complete the following:

1. Have acquired the Basic Air Activity Badge.
2. Flight safety and aviation concepts
 - (a) Understand air law related to flight safety.
 - (b) Know the names of the various parts of the aircraft life jacket and demonstrate how to use it.
 - (c) Know the general emergency equipment of civil aircraft.
3. Aviation knowledge
 - (a) Demonstrate the marshalling signals for a fixed-wing aircraft during the day and night.
 - (b) Know the ground markings, airfield ground lightings and square signals in the airfield and how the pilot can use such signs and lights in order to operate an aircraft in the airfield.
 - (c) Know ten ICAO aircraft nationality mark, airline company logos and their respective IATA airline code commonly seen amongst civil aircrafts in Hong Kong.
 - (d) Units and time systems generally used in the aviation industry.
 - (e) Explain how wind affects aviation activities.
 - (f) Understand the use of "True Air Speed" (TAS), "Indicating Air Speed" (IAS) and "Ground Speed" (GS) for navigation.
4. Fixed-wing aircraft basics
 - (a) Explain the definition of stall and its cause.
 - (b) Explain the function and operation of the flaps.
 - (c) Know the take-off and landing procedures for light aircrafts.
 - (d) Know the Ground effect and its impact on flight.

5. Aircraft identification
 - (a) Identify the twelve types of aircraft commonly seen in the world (four civil aircraft, four helicopters, two light aircraft/business aircraft and two military aircraft) specified in the Aircraft Recognition List approved by the Association.

6. Practicum
 - (a) Make a wooden glider with a wingspan of not less than forty centimeters and capable of flying no less than ten metres.
 - (b) Complete the following designated items (not less than two hours) using a flight simulator recognised by the Region:
 - (i) Taxiing
 - (ii) Normal takeoff
 - (iii) Normal landing
 - (c) Write a report or presentation to introduce to the assessor your most recent participation in an aviation activity recognised by the Region.
 - (d) Complete two of the "Elective Air Activities" that you have never attempted.



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.