



Amazing Flight Principle & Meteorology (E1PHY002W)

Introduction We cannot see the wind, nor catch the wind, but many phenomena in daily life are caused by the amazing wind. This workshop is constituted by two parts namely “Amazing Flight Principle” & “Meteorology”.

Amazing Flight Principle:
Through the process of making a light aircraft with ordinary materials, students will understand the flight principle and fundamental mechanics. The mini-experiment will help students to understand how an aircraft steer the flight direction, and build up their interest in sciences through the hands-on experience.

Meteorology:
Various activities such as scientific demonstrations, experiments, and do-it-yourself (DIY) meteorology measuring instruments will be carried out to facilitate students’ learning. Through these activities, they will investigate various climatic phenomena by using the meteorology measuring instruments they made, understand the factors that will cause weather changes, and have a better understanding of meteorology.

Programme Type / Level Physics Workshop (Level I) ([Token-required](#))

Instructor(s) Creative Education Unit, The Hong Kong Federation of Youth Groups

Pre-requisite No special prerequisites are needed

Target Participants

- P4 – P6 HKAGE student members in 2021/22 school year only
- Class size: 30
- * *First-come-first-served.*

Medium of Instruction Cantonese with Chinese handouts

Certificate **E-Certificate** will be awarded to participants who have:

- ❖ Attended **ALL sessions**; **AND**
- ❖ Completed all the assignments with **satisfactory performance**

Intended Learning Outcomes Upon completion of the programme, participants should be able to:

1. master the fundamental concept of mechanics;
2. describe the principle of the flying, take-off, and change of direction of airplane;
3. list the factors that will cause weather changes;
4. understand the concepts of meteorology, weather, and climate;
5. illustrate the causes of wind or water related weather phenomena.

Application Deadline **6 Dec 2021, 12:00 n.n**

If student members withdraw from the programme after the Application Deadline, the token will be deducted.

Schedule

Session	Date	Time	Venue (HKAGE)
1	22 Dec	9:30 a.m. – 12:30 p.m.	Room 105

Enquiries For enquiries, please contact us on 3940 0101 or via email programme@hkage.org.hk.