

“Other Learning Experiences” Activities

Water Quality Tests



1. Target

S.4 to S.6

2. Aim

- Learn about the theories, procedures and skills involved in water quality tests
- Learn about the factors affecting water quality
- Understand the significance of the water quality to the ecosystem

3. Details

- This activity includes a lecture, water sampling and a practical session in laboratory
- Introduction of the principles of water quality test and common testing parameters
- Take water sample from the Wetland Reserve and conduct water quality tests in the laboratory (9 different parameters will be measured)
- Analyse and discuss the collected data

(Remarks: This activity ties in with the “Other Learning Experiences” in the learning category of “Career-related Experiences” as required in the New Senior Secondary Curriculum)

4. No. of participants

15-30 (includes 2-5 teachers and officer-in-charge)

5. Time required

2.5 hours

6. Rundown

Activity	Time
Introduction to the principles of water quality tests and some common testing parameters, for example water temperature, dissolved oxygen, salinity, pH, turbidity, nitrate, nitrite, ammonia and phosphate	30 mins
Collecting water samples at the Wetland Reserve	30 mins
Testing of water samples in laboratory	1 hour
Analysis and conclusion	30 mins

7. Points to note

- (a) This activity can be conducted in Cantonese or English.
- (b) Participants should wear light-colored and long sleeved clothing and trousers for outdoor activities. Participants should also bring along some drinking water, sun block, rain gear and mosquito repellent.
- (c) Participants should follow the instructions of HKWP staff and instructors, and be cautious in handling the apparatus provided. The Park reserves the rights to claim for any damages of the apparatus caused by the participants.
- (d) Since participants are required to participate in outdoor activity, the accompanied school officer shall pay attention to the physical condition of the participants.
- (e) In case of inclement weather conditions or the Hong Kong Observatory issues the Thunderstorm Warning, Amber/Red/Black Rainstorm Warning or Tropical Cyclone Warning Signal No. 1/ No. 3 during the activity, all outdoor activities will be switched to indoor gallery visits. When the Tropical Cyclone Warning Signal No. 8 is hoisted, the Park will be closed and all on-going activities will be terminated.
- (f) To avoid affecting the activity time and rundown, participants should be punctual for the activity.
- (g) Hong Kong Wetland Park reserves all rights about the activity arrangement.

