Hong Kong Wetland Park School Education Programme
Park Experience I：Wetland Conservation and Sustainable Development （Whole Year）

1. Target

S.1 to S.6 (participant number: 15-50)

2. Objectives

Knowledge

- The concept of sustainable development and green architecture
- Wetland habitat and its importance
- Ramsar Convention
- Wetland-related regulations and environmental impact assessment
- Protected areas (including country parks and restricted area) in Hong Kong
- Conservation schemes on protected species
- Conservation works and management in Hong Kong Wetland Park (HKWP)
- The green concepts applied in the architecture of Hong Kong Wetland Park
- Recognise the connection between sustainable development and our daily life

Skills

- Analyze the importance of sustainable development
- List out the importance of wetland
- Give examples of protected species and related conservation work
- Give examples of wetland conservation and management work
- Observe living organisms
- List out practical examples of green architecture

Attitudes

- Support sustainable development
- Increase the awareness of wetland conservation
- Encourage participation of conservation activities, such as volunteer work in HKWP, beach cleaning and tree-planting activities

(Updated on 2020.08)

3. Rundown

Itinerary
Classroom Activity: Wetland Conservation and Sustainable Development
Visitor Centre
Pui Pui's Home
Stream Walk*
Wetland Discovery Centre*
Riverside Hide*

* In case of inclement weather conditions, the outdoor fieldwork will be changed to indoor activities.

4. Activity Content

Content	Focal Points
Classroom Activity **Duration: 50 minutes** ● Lecture ■ Introduce the conservation works in wetlands ■ Introduce green architecture features in HKWP ● Interactive game	● Background of Hong Kong Wetland Park ● Introduction of green architecture and concept of sustainable development ● The Ramsar Convention ● Regulations related to Hong Kong wetland conservation and environmental impact assessment ● Conservation schemes of protected species ● Conservation and management work of Hong Kong Wetland Park ● Green architecture elements in the Park
Fieldwork **Duration: 1 hour** ● Visit green architectures around the Park and record the findings on the worksheet ● Observe the management works in HKWP ● Experience activity	● Examples of green architecture materials ● Integration of natural environment in buildings of Hong Kong Wetland Park ● Investigate into different conservation works in Hong Kong Wetland Park ■ Plant and water management ■ Habitat management ■ Invasive species management ● Observing wetland plants and animals
Conclusion **Duration: 10 minutes**	● Report the green architectures visited around the Park ● Report the wetland management work in different aspect in Hong Kong Wetland Park ● Solidify students' knowledge about green architecture ● Discuss how to apply the concept of sustainable development in daily life ● Emphasize the importance of wetland conservation ● Encourage students to participate in environmental conservation work

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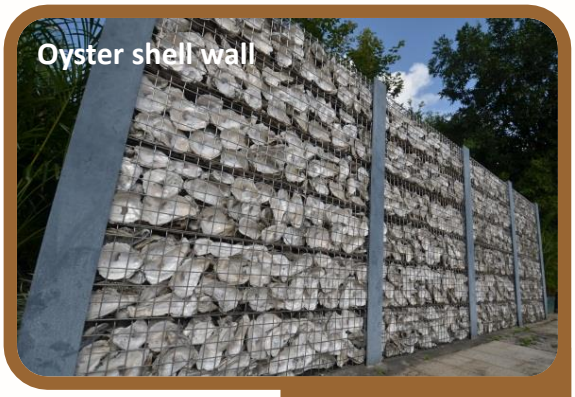

Oyster shell wall

Wall covered by climbing plant

Nest Box

Exotic Invasive Species

Dragonfly perching on a pole

(Updated on 2020.08)

5. Relevant Curriculum

Level	Science	Geography
Secondary 1-3	Unit 2: Water 2.3 Water purification 2.5 water conservation and pollution Unit 3: Looking at Living Things 3.1 Living things 3.3 Biodiversity	Section A: From Hong Kong to the world — variations in space, people and places ● Using urban space wisely Section C: Challenges for our world — Managing global issues in a sustainable way

Level	Biology	Physics	Liberal Studies
Secondary 4-6	III. Organisms and Environment f. Ecosystems VI. Applied Ecology a. Human impact on the environment b. Pollution control c. Conservation d. Global issues	VIII. Energy and Use of Energy a. Electricity at home b. Energy efficiency in building and transportation c. Renewable and non-renewable energy sources	Module 6：Energy Technology and the Environment Theme 2：The environment and sustainable development

Geography	Combined Science (Biology)	Integrated Science
Core 4: Building a Sustainable City	III. Organisms and Environment f. Ecosystems	C1 Water for Living： 1.3 Importance of water to the physical environment 1.4 Effects of human activities on the balance of water distribution and water quality C6 Balance in Nature： 6.4 Disturbances and restoration 6.5 The hunt for balance

(Updated on 2020.08)