

## 1. Target

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

### 2. Objectives



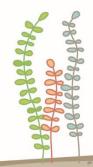
- The concept of sustainable development and green architecture
- Wetland habitat and its importance
- Ramsar Convention
- Wetland-related regulations and environmental impact assessment
- Protected areas (including country parks and restricted area) in Hong Kong
- Conservation schemes on protected species
- 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



- 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



- 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











# 3. Rundown

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

<sup>\*</sup> In case of inclement weather conditions, the outdoor fieldwork will be changed to indoor activities.

### 4. Activity Content

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

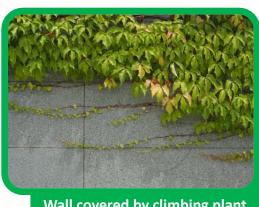








Oyster shell wall



Wall covered by climbing plant



**Nest Box** 













#### **Relevant Curriculum**

| ا ۵۰             | 5. Relevant Curriculum  |  |  |   |  |  |
|------------------|---|--|--|---|--|--|
| Level            | Science   |  | Geography  |   |  |  |
| Secondary<br>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   | Combined Science<br>(Biology)            |  | Physics   |  |  |
| Secondary<br>4-6 | <ul><li>III. Organisms and</li><li>Environment</li><li>f. Ecosystems</li><li>VI. Applied Ecology</li><li>a. Human impact on the environment</li><li>b. Pollution control</li><li>c. Conservation</li><li>d. Global issues</li></ul> | III. Organism<br>Environment<br>f. Ecosy | t  | VIII. Energy and Use of Energy b. Energy efficiency in building and transportation c. Renewable and non- renewable energy sources |  |  |
|                  | Citizenship and Social<br>Geography Development   |  |  |   |  |  |
|                  | Module 4: Building a<br>Sustainable City  | interdepend<br>contempora                | ustainable   |   |  |  |

