


## Gifted Education Fund: Off-school Advanced Learning Programmes

### Programme No. 2022-04 (For primary students)

Title of Programme	<b>Hong Kong Marine Ecology Programme for Gifted Students</b>
Programme Provider	Outdoor Wildlife Learning Hong Kong (Supporting organisations: The Hong Kong Academy for Gifted Education; Hong Kong Maritime Museum)
Theme	STEAM-related Mentorship Programme; Humanities and Social Science Research Programme; Self-initiated Research Study
Maximum No. of Participants and Class Level in the 2022/23 School Year	30 students (Primary 4-5)
Pre-requisite	No special background knowledge or skills is required.
Programme Delivery Period	From July 2023 to Apr 2024 (10 months) (tentative)
Medium of Instruction	Course Material: Chinese supplemented with English Class teaching/ Discussion: Cantonese supplemented with English
Objectives	<ul style="list-style-type: none"><li>• To enhance gifted students' interest, knowledge and research ability in marine ecology, biodiversity and natural conservation through the study of marine ecology;</li><li>• To develop the students' problem-solving skills, self-directed learning skills and presentation skills through scientific inquiry and project learning; and</li><li>• To cultivate positive values and attitudes among the students such as care for the natural environment, respect for life and civic responsibility.</li></ul>
Programme Outline	<p>This programme enhances gifted students' interest and knowledge of marine ecology, and equip them with necessary skills to conduct scientific inquiry. They will also develop positive values and attitudes that are essential for personal growth and the development of the community.</p> <p>The programme consists of four phases.</p> <p><b>Phase 1: Knowing the marine environment of Hong Kong (14 hours in total)</b></p> <ul style="list-style-type: none"><li>• 5 lessons</li></ul>

	<ul style="list-style-type: none"> <li>• This phase offers students an overview of the Hong Kong marine environment. Major topics to be covered include Hong Kong marine environment and biodiversity, intertidal zone and marine ecology. Relevant learning and teaching (L&amp;T) activities include lectures, games, scientific inquiry activities and a field trip to a site with high marine ecological value.</li> </ul> <p><b>Phase 2: Marine ecology and biodiversity (15 hours in total)</b></p> <ul style="list-style-type: none"> <li>• 5 lessons</li> <li>• This phase introduces the marine ecology and its bio-diversity. Major topics include the classification and ecology of stone corals, marine invertebrates (e.g. corals, Mollusca and Fiddler crabs) and marine vertebrates (e.g. dolphins and sea turtles). Relevant L&amp;T activities include interactive lessons, ecology field trips, surveys and visit to a local ecology research centre.</li> </ul> <p><b>Phase 3: Human activities and conservation of marine ecology (19 hours in total)</b></p> <ul style="list-style-type: none"> <li>• 5 lessons</li> <li>• Students will explore in this phase the effect of human activities on the marine ecology and creatures, and understand the different feasible means to conserve the marine ecology. Major topics include conservation biology, art and ecology conservation, case study of conservation with nature-based solutions. Emphasis will be made on the civic responsibility of environmental protection. Relevant L&amp;T activities include interactive lessons, video watching, class discussion, surveys and field trips.</li> </ul> <p><b>Phase 4: Project learning and presentation (19 hours in total)</b></p> <ul style="list-style-type: none"> <li>• 7 lessons</li> <li>• Students will engage in small-group project learning on a topic related to marine ecology, biodiversity or the effect of human activities and marine conservation that they have learnt in phase 1 to phase 3. Under mentorship and support, they will conduct surveys and research, and produce a presentation poster, a video clip, presentation slides, a model and/ or other relevant deliverables for presentation during a closing ceremony/ showcase event by the end of this phase. Students will present their findings/ deliverables to parents, teachers, instructors, mentors and other guests at the closing ceremony/ showcase event, and answer questions that may arise.</li> </ul>
Admission Fee	Free of charge

Application Method	<p>Application form can be downloaded from the following webpage:</p> <p><a href="https://www.edb.gov.hk/en/curriculum-development/curriculum-area/gifted/ge_fund/gef/programme/current.html">https://www.edb.gov.hk/en/curriculum-development/curriculum-area/gifted/ge_fund/gef/programme/current.html</a></p>  <p>Please complete the application form and send it by post <u>on or before 21 April 2023</u> to the following address:</p> <p>Outdoor Wildlife Learning Hong Kong Limited Flat G, 5/F, Reason Group Tower 403 Castle Peak Road Kwai Chung, New Territories (Attn: Ms Katie HUI)</p>
Documents to be Submitted along with the Application	<ul style="list-style-type: none"> <li>• Please write about the following in the section of Student's Self-introduction in the application form: <ul style="list-style-type: none"> <li>- reasons for application;</li> <li>- knowledge about the ecology of Hong Kong, especially in marine ecology; and</li> <li>- nature/ wildlife-related experience, especially in marine ecology</li> </ul> </li> <li>• Evidence of Other Learning Experiences (if any)</li> </ul>
Enquiry	<p>Ms Katie HUI (Outdoor Wildlife Learning Hong Kong)</p> <p>Tel No.: 3619 0626 Email: <a href="mailto:katiehui@owlhk.org">katiehui@owlhk.org</a></p>
Date of Announcement of Result	<p>By early May 2023 (tentative)</p>