


Gifted Education Fund: Off-school Advanced Learning Programmes

Programme No. 2021-04 (For primary students)

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| Title of Programme | Engaging Gifted Students in Inquiry to Meet the Sustainable Development Goals (SDGs) Proposed by the United Nations Foundation |
| Programme Provider | Department of Science and Environmental Studies, The Education University of Hong Kong |
| Theme | Humanities and Social Science Research Programme |
| Maximum No. of Participants and Class Level in the 2021/22 School Year | 40 students (Primary 4-5) |
| Pre-requisite | Applicants should demonstrate outstanding performance in Chinese/ English/ Mathematics/ General Studies in school and possess basic MS Office skills |
| Programme Delivery Period | From August 2022 to April 2023 (9 months) (tentative) |
| Medium of Instruction | Course Material: Chinese supplemented with English Class teaching/ Discussion: Cantonese supplemented with Putonghua and English |
| Objectives | <ul style="list-style-type: none"> • To broaden gifted students' knowledge and enhance their skills in interdisciplinary inquiry learning; • To strengthen their understanding of the SDGs from multiple perspectives; • To develop their ability in adopting qualitative and quantitative approaches in planning and implementing inquiry learning of the SDGs; • To enhance the generic skills of gifted students such as creativity, critical thinking and problem-solving in order to work towards the SDGs in everyday lives; and • To nurture positive values and attitudes among the students such as responsibility, care for others, empathy, etc. which are essential for students' growth and development. |
| Programme Outline* | <p>This programme aims to enhance the gifted students' knowledge and skills through quality and challenging interdisciplinary inquiry learning of hot issues and feasible actions related to the SDGs proposed by the United Nations. It will also nurture positive values and attitudes essential for the growth and development of the gifted students. The programme consists of four phases.</p> <p>Phase I: Introducing SDGs and Inquiry (6 hours in total)</p> <ul style="list-style-type: none"> • 2 face-to-face or online core lessons for all students (3 hours |

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| | <p>each)</p> <ul style="list-style-type: none"> • A general discussion is made in this phase on the SDGs promoted by the United Nations in 2015. • Students will acquire the knowledge and skills related to the processes of interdisciplinary inquiry in the context of the SDGs. <p>Phase II: Understanding SDGs (20 hours in total)</p> <ul style="list-style-type: none"> • Out of the 17 SDGs proposed by the United Nations, 7 SDG topics[#] are planned for students' inquiry in this programme. • Each student will choose two SDG topics for his/her study in this phase. • 4 face-to-face or online workshops for each SDG topic (2.5 hours each) <p>Phase III: Guided Inquiry of SDGs (12 hours in total)</p> <ul style="list-style-type: none"> • Students will choose 1 SDG topic that they have studied in phase II. In groups of 5 to 6, they will engage in more in-depth inquiry of the chosen SDG under guidance through exploration, discovery and invention. • 8 face-to-face or online lessons in small groups are arranged for the students in this phase. Students may seek advices from their mentors about their inquiry. • 1 lesson on communication/ presentation skills will be arranged to help students prepare for the exhibition in phase IV. • By the end of this phase, students will consolidate their findings and submit inquiry reports in forms of drawings/ posters/ video clips/ PPT presentation slides/ models and propose innovative suggestions that individuals and the society may help to attain the chosen SDG. <p>Phase IV: Exhibition (4 hours in total)</p> <ul style="list-style-type: none"> • Students will prepare and present the deliverables of their inquiry learning of the SDGs to the audience during the exhibition to be held at the Education University of Hong Kong as demonstration of their talents. <p>* In view of the latest development of the COVID-19 pandemic, the programme provider may need to modify the learning and teaching activities as a contingency.</p> |
| Admission Fee | Free of charge |
| Application Method | <p>Application form can be downloaded from the following webpage:</p> <p>https://www.edb.gov.hk/en/curriculum-development/curriculum-area/gifted/ge_fund/gef/programme/current.html</p>  <p>Please complete the application form and send it by post <u>on or before 16 May 2022</u> to the following address:</p> |

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| | D3 - G/F - 08 The Education University of Hong Kong 10 Lo Ping Road Tai Po (Attn: Prof. Winnie SO Wing-mui) |
| Documents to be Submitted along with the Application | <ul style="list-style-type: none"> • Please write about the following in the section of Student's Self-introduction in the application form: <ul style="list-style-type: none"> - self-introduction; - choose 2 SDG topics# of interest and explain the reasons; and - expectations of the programme |
| Enquiry | Mr TSE Hin-fung (The Education University of Hong Kong) Tel No.: 2948 8701 Email: hftse@eduhk.hk |
| Date of Announcement of Result | By late May 2022 (tentative) |

Preliminary Inquiry Topics for Students and Relevant SDGs:

| Preliminary Inquiry Topics for Students | Relevant SDGs |
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| 1. Food waste management | SDG 2: Zero hunger |
| 2. Use of renewable energy | SDG 7: Affordable and clean energy |
| 3. Green buildings for sustainable development | SDG 9: Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation |
| 4. Sustainable lifestyles | SDG 12: Responsible consumption and production |
| 5. Sustainable development of ocean | SDG 14: Life below water |
| 6. Greenhouse gases emission | SDG 13: Climate action |
| 7. Sustainable water treatment technology | SDG 6: Clean water and Sanitation |