


Gifted Education Fund: Off-school Advanced Learning Programmes

Programme No. 2021-13 (For secondary students)

Title of Programme	Nurturing Gifted Students to be Entrepreneurs: Solving Business Problems with STEM knowledge
Programme Provider	Department of Decision Sciences and Managerial Economics, The Chinese University of Hong Kong (Supporting organisations: The Hong Kong Academy for Gifted Education)
Theme	<ul style="list-style-type: none">• STEM-related Mentorship Programme• Apprenticeship and Entrepreneurship Programme
Maximum No. of Participants and Class Level in the 2021/22 School Year	40 students (Secondary 3-4)
Pre-requisite	Applicants should demonstrate excellent academic performance at school and possess interest in entrepreneurship, STEM-related disciplines and business.
Programme Delivery Period	From June 2022 to January 2023 (8 months) (tentative)
Medium of Instruction	Course Material: English supplemented with Chinese Class teaching/ Discussion: Cantonese supplemented with English
Objectives	<ul style="list-style-type: none">• To equip gifted students with essential STEM-related and business knowledge including but not limited to economics, finance and marketing to help them become future leaders of technology, data and entrepreneurship in Hong Kong;• To engage students in authentic learning activities such as analysis of data of a company, pitching, competition, STEM project, etc. and hence develop their skills in research, data analysis, coding, design and make, communications, report writing, presentation, etc.; and• To nurture positive values and attitudes essential for whole-person development of the gifted students such as responsibility, integrity, adherence to business ethics, care of people and the environment, etc.
Programme Outline*	This programme aims to help gifted students grasp the knowledge and skills related to creating a startup and running a business. Through a wide variety of learning and teaching activities, students will learn how technology may be deployed to tackle business problems and facilitate decision, and develop an entrepreneurial mindset that is useful for further studies and career development. The programme will also nurture positive values and attitudes essential for whole-person development of the students. The programme consists of three phases.

	<p>Phase I(A): Using Technology and Business Knowledge to Solve a Business Problem for Startups (57 hours in total)</p> <ul style="list-style-type: none"> • This phase of the programme will comprise of the following events related to effective use of technology and business knowledge: <ul style="list-style-type: none"> (i) An open ceremony (ii) A series of lessons on the following topics: <ul style="list-style-type: none"> (a) Business fundamentals; and (b) Artificial Intelligence (AI) in business applications (iii) Pitching workshop (iv) A firm visit (v) Sharing sessions with practitioners (vi) Online self-directed learning and mentorship sessions • By the end of this phase, students will need to work in groups and submit a research report on analysing a technology startup. • Elements of affective education are infused in various parts of this programme. <p>Phase I(B): Solving Real World Business Problems through Analytics (40 hours in total)</p> <ul style="list-style-type: none"> • A series of lessons/ workshops related to entrepreneurial case analysis, presentation, data analytics, etc. will be organised in this phase of the programme. • Additional online self-directed learning and mentorship sessions are available in this phase. • Introduction to a hackathon challenge and its significance. <p>Phase II: Be a Successful Entrepreneur (about 20 hours)</p> <ul style="list-style-type: none"> • Students will be divided into 2 groups according to their performances in Phase I and II and their aspirations. One group of students will prepare and participate in local/ global competitions related to business/ data analysis/ entrepreneurship and the other will develop a project on STEM entrepreneurship or other relevant themes. • Mentorship and small group discussion with programme advisors and student facilitators will be arranged for the students throughout this period. • By the end of the programme, a closing ceremony will be arranged for students to showcase their STEM-related projects or achievements in competitions to parents, teachers and other guests. <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	Application form can be downloaded from the following webpage:

	<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> <p>Department of Decision Sciences and Managerial Economics 9/F, CYT Building The Chinese University of Hong Kong Shatin, New Territories (Attn: Mr Sonam WANGCHUK/ Ms Phoebe YUEN)</p>
Documents to be Submitted along with the Application	<ul style="list-style-type: none"> • Please include the following in the section of Student's Self-introduction in the application form: <ul style="list-style-type: none"> - A one-page summary in 300 words (English or Chinese) that demonstrates students' knowledge in STEM-related areas and aspiration in entrepreneurship; and - A hyperlink and QR code to a 2-min video clip (MP4) highlighting the student's achievements (English or Chinese).
Enquiry	<p>Mr Sonam WANGCHUK (Department of Decision Sciences and Managerial Economics, The Chinese University of Hong Kong)</p> <p>Tel No.: 5523 4546 Email: sonamchophelwangchuk@cuhk.edu.hk</p>
Date of Announcement of Result	By late May 2022 (tentative)