

# 中華基督教會基智中學

## 【香港學生挑戰賽 2022—參觀數碼港】

家長通告 075/2021

敬啟者：

本校 STEAM 教育委員會聯同青年成就香港部(JA HK)及摩根大通(J.P. Morgan)協作舉辦中二級跨學習領域 STEM 專題研習，名為「香港學生挑戰賽 2022」。活動為期 7 個月，由 11 月下旬啟動至 5 月中旬展示暨比賽日為止。整個活動非常緊湊，除了讓學生發展創意思維和解難能力外，亦會透過與商界義工導師及大學生義工合作、交流及親身分享，讓學生加強團隊合作及領導能力，認識 STEM 相關行業及升學途徑。整個活動詳情及時間表可參考附件。挑戰賽的首個活動為參觀數碼港，資料詳列如下，敬希細閱並簽妥回條，以便遵照辦理。

活動名稱	香港學生挑戰賽 2022—參觀數碼港	交通工具	旅遊巴
活動日期	2021 年 11 月 27 日(星期六)	負責老師	羅秀虹老師
活動地點	數碼港 (香港數碼港數碼港道 100 號)	所需費用	全免
集合時間	8:45 a.m.	解散時間	2:30 p.m.
集合地點	本校副堂	解散地點	本校副堂
備 註	學生須穿著整齊校服		

將新型冠狀病毒傳播風險降至最低的安全措施：

活動前準備(於接待處)：	活動進行中：	如你發現以下情況，請不要到場參與：
<ul style="list-style-type: none"><li>進入場所前，請掃瞄安心出行或填寫表格</li><li>量度體溫</li><li>使用酒精搓手液，清潔雙手</li></ul>	<ul style="list-style-type: none"><li>遵守政府《預防及控制疾病(禁止羣組聚集)規例》</li><li>需配帶口罩</li><li>請保持社交距離 1.5 米</li><li>避免密切身體接觸</li></ul>	<ul style="list-style-type: none"><li>如有不適、患有上呼吸道感染、發燒</li><li>與患者接觸</li><li>14 日內曾離開香港</li></ul>

假若活動當日天氣臨時變壞，以致活動需要取消，負責老師將在安全情況下安排學生儘快返回家中。如有查詢，歡迎致電 2342-2954 與羅秀虹老師聯絡。

此致  
貴家長

中華基督教會基智中學校長

李淦章博士 謹啟

二零二一年十一月十七日

家長聯絡電話：\_\_\_\_\_

學生聯絡電話：\_\_\_\_\_

# THE SCHOOLS CHALLENGE

## HONG KONG

Co-organized by



J.P.Morgan



## The Schools Challenge Hong Kong 2022

### 香港學生挑戰賽 2022

**The Schools Challenge Hong Kong 2022 – Smart City @Kowloon East**, co-organized by Junior Achievement Hong Kong (JA HK), J.P. Morgan, and supported by the Energizing Kowloon East Office (EKEO) of the Development Bureau and HKUST Connect, is a social innovation program for junior secondary school students. The program aims to broaden students' interest and learning of various STEM (Science, Technology, Engineering and Mathematics) disciplines, encouraging them to co-create innovative solutions that help transform Kowloon East into a pioneer smart city in Hong Kong. The program also supports young people's self-exploration and enhance their readiness for tomorrow's radically different jobs and workplaces.

香港學生挑戰賽是一個以智慧城市為主題的創科研習活動，活動由青年成就香港部 (JA HK) 與摩根大通(J.P. Morgan)主辦，並得到發展局起動九龍東辦事處及科大侍學行全力支持。挑戰賽以九龍東發展成為智慧城市為切入點，鼓勵同學學習及應用各種 STEM(科學、科技、工程、數學)知識和技能，找出改善區內生活的創新解決方案，同時亦為年輕人創造了自我探索的機會，為同學未來的工作和職場作好準備。

#### Upon completion of the program, you will be able to:

透過參與挑戰賽，你將可：

- Develop creativity and problem-solving skills through designing an innovative product or solution to address a real problem in the community  
透過設計一項創新的產品或方案解決社區現有的問題，發展創意思維和提升解難能力
- Enhance teamwork and leadership skills through working with business volunteers and university student volunteers  
透過與商界義工導師及大學生義工一起工作，加強團隊合作及領導能力
- Develop listening and presentation skills through sharing the ideas with the community  
透過與社區分享想法，發展聆聽與闡述能力
- Staying positive and aiming high  
保持正面，目光放遠
- Acquire STEM knowledge and skills, and apply them in daily life  
學習 STEM 相關的知識及技能，並應用於日常生活中
- Gain greater understanding about STEM careers and education pathways from practitioners  
透過業界人士分享，認識 STEM 相關行業及升學途徑

### Activity 活動詳情：

**Language:** Cantonese and English

**語言：**廣東話及英語

**Time:** A 7-month Program (From end November 2021 to mid-May 2022)

**活動時間：**活動為期七個月(2021年11月下旬至2022年5月中旬)

### **Awards & Recognition 獎項與認可：**

#### First Round Competition 初賽

8 finalist teams will receive certificates of achievement.

8隊入圍決賽隊伍將獲嘉許獎狀。

#### Final Round Competition 決賽

- Champion 冠軍
- 1st Runner-up 亞軍
- 2nd Runner-up 季軍
- Best Prototype Award 最佳原型作品獎
- Best Presentation Award 最佳匯報獎
- Active Participation Award 積極參與獎
- Most Popular Solution Award 最具人氣解決方案獎

All winning teams will receive a certificate of achievement.

所有得獎隊伍同學將獲頒發證書。

### Timeline (TBC) 活動時間表(暫定)：

Date 日期	Activity 活動*	Format 形式	Tentative Venue 暫定地點
27 Nov 21 (Sat) 10:00am – 1:30pm	<b>Student Briefing with Alumni Sharing and Visit to STEM Startups</b> <ul style="list-style-type: none"><li>- Find out about the arrangement of the program</li><li>- Learn how to apply STEM concepts to products through sharing by technopreneurs</li></ul> <b>學生隊伍簡介會、舊生分享及參觀 STEM 初創企業</b> <ul style="list-style-type: none"><li>- 認識挑戰賽各項活動安排</li><li>- 透過業內人士分享，認識如何將 STEM 概念應用在產品之上</li></ul>	Physical 實體	Cyberport 數碼港
11 Dec 21 (Sat) 9:30am - 1:30pm	<b>Kowloon East Community Visit</b> <ul style="list-style-type: none"><li>- Be familiar with Kowloon East neighborhood</li><li>- Identify social issue and generate ideas for innovative solution</li></ul> <b>九龍東社區探訪</b> <ul style="list-style-type: none"><li>- 親身了解九龍東社區現況</li><li>- 思考九龍東現有問題，並構思創新解決方案</li></ul>	Physical 實體	Kowloon East 九龍東

Date 日期	Activity 活動*	Format 形式	Tentative Venue 暫定地點
15 Jan 22 (Sat) 10:00am – 1:00pm	<b>Official Launch and Day 1 of Bootcamp</b> <ul style="list-style-type: none"> <li>- Get to know your team and explore how you can work together as a team</li> <li>- Learn about design thinking process and prototyping</li> <li>- Learn about the Kowloon East neighborhood and social-innovation practices through sharing by community partners</li> </ul> <b>啟動禮暨第一日體驗營</b> <ul style="list-style-type: none"> <li>- 認識團隊並探索如何互相合作</li> <li>- 了解設計思維的過程及原型設計</li> <li>- 由社區不同持分者分享九龍東現況及社會創新實踐方案</li> </ul>	Physical 實體	School -Hall 學校-禮堂
18 Jan 22 (Tue) 3:30pm – 5:30pm	<b>Day 2 of Bootcamp and Mentoring Session One</b> <ul style="list-style-type: none"> <li>- Learn about design thinking process and prototyping</li> <li>- Develop skills for interview and research</li> <li>- Set a clear aim and objectives</li> <li>- Define the problem statement that sets the direction for your team</li> </ul> <b>第二日體驗營及導師指導第一節</b> <ul style="list-style-type: none"> <li>- 了解設計思維的過程及原型設計</li> <li>- 發展訪問及研究技能</li> <li>- 訂立明確的方向及目標</li> <li>- 建立問題論述，為團隊指明方向</li> </ul>	Online (Zoom) 線上 (Zoom)	N/A
15 Feb 22 (Tue) 3:30am – 5:30pm	<b>Project Management Workshop and Mentoring Session Two</b> <ul style="list-style-type: none"> <li>- Learn to apply the concepts of project management</li> <li>- Refine solution, prototyping approach and project timeline</li> <li>- Set an action plan for the team</li> </ul> <b>項目管理工作坊及導師指導第二節</b> <ul style="list-style-type: none"> <li>- 學習如何應用項目管理的概念</li> <li>- 改進解決方案、原型製作方法和項目時間表</li> <li>- 為團隊制定行動計劃</li> </ul>	Online (Zoom) 線上(Zoom)	N/A
19 Feb 22 (Sat) 10:00am – 1:00pm	<b>STEM Workshops</b> <ul style="list-style-type: none"> <li>- Acquire skills and concepts on AI, coding and app development</li> <li>- Be inspired to apply the skills learned to different project ideas and concepts and sustainability and STEM application</li> </ul> <b>STEM 工作坊</b> <ul style="list-style-type: none"> <li>- 學習有關人工智能、編碼和應用程式開發的技能和概念</li> <li>- 善用所學技能，並應用於可持續發展和 STEM 構思當中</li> </ul>	Physical 實體	School - Classrooms and Computer Rooms 學校- 課室和電腦室

Date 日期	Activity 活動*	Format 形式	Tentative Venue 暫定地點
15 Mar 22 (Tue) 3:30pm – 5:30pm	<b>English Presentation &amp; Writing Workshop and Mentoring Session Three</b> <ul style="list-style-type: none"> <li>- Practice English presentation and writing skills</li> <li>- Present the completed prototype</li> <li>- Demonstrate how your solution addresses the aims and objectives</li> </ul> <b>英語演講與寫作工作坊 及 導師指導第三節</b> <ul style="list-style-type: none"> <li>- 實踐英語演講與寫作技能</li> <li>- 展示原型製作成品</li> <li>- 闡明你的解決方案如何完成目標與任務</li> </ul>	Online (Zoom) 線上 (Zoom)	N/A
12 Apr 22 (Tue) 3:30pm – 5:30pm	<b>Mental Wellness Workshop</b> <ul style="list-style-type: none"> <li>- Find out more about mental wellness</li> <li>- Acquire practical skills in mental wellness</li> </ul> <b>心理健康工作坊</b> <ul style="list-style-type: none"> <li>- 認識心理健康知識</li> <li>- 學習心理健康實用技巧，了解如何關注自己和他人的心理健康</li> </ul>	Online (Zoom) 線上 (Zoom)	N/A
2 Apr 22 (Sat) 10:00am – 12:30pm	<b>Pitching Workshop</b> <ul style="list-style-type: none"> <li>- Be able to clearly articulate your project ideas</li> <li>- Learn effective techniques to deliver a successful presentation</li> </ul> <b>提案技巧工作坊</b> <ul style="list-style-type: none"> <li>- 學習如何清晰表達項目構思</li> <li>- 認識組織卓越簡報的技巧</li> </ul>	Physical 實體	School -Hall 學校-禮堂
26 Apr 22 (Tue) 3:30pm – 5:30pm	<b>Career Aspiration Workshop and Mentoring Session Four</b> <ul style="list-style-type: none"> <li>- Explore possible STEM careers through sharing by STEM-related professionals, entrepreneurs and students</li> <li>- Refine the elevator pitch and final presentation that explains the implications of your solution for the wider world</li> <li>- Document the project on display board for the Project Showcase Day</li> </ul> <b>事業志向工作坊及導師指導第四節</b> <ul style="list-style-type: none"> <li>- 通過與STEM相關的專業人員、企業家和學生分享，探索與STEM相關的職業路向</li> <li>- 改進簡報和團隊匯報的內容，說明你的解決方案對世界的影響</li> <li>- 準備展板內容，向觀眾介紹你的方案</li> </ul>	Online (Zoom) 線上 (Zoom)	N/A

Date 日期	Activity 活動*	Format 形式	Tentative Venue 暫定地點
3-6 May 22 (Tue - Fri) 3:30pm – 6:00pm	<b>Student Teams Rehearsal</b> <ul style="list-style-type: none"> <li>- Rehearse for the presentation on the Final Presentation Day and demonstrate how your team will improve life using technology</li> </ul> <b>學生團隊綵排</b> <ul style="list-style-type: none"> <li>- 排練方案展示及比賽日匯報，展示如何用科技提升生活質素</li> </ul>	<b>Online (Zoom)</b> <b>線上 (Zoom)</b>	N/A
7 May 22 (Sat) 10:00am - 12:30pm	<b>Project Showcase &amp; Final Presentation (1st Round)</b> <ul style="list-style-type: none"> <li>- Present your development and solutions to the judges</li> <li>- Learn from other teams' presentation</li> <li>- The best-performing teams will be promoted to the Finals</li> </ul> <b>方案展示暨比賽日 (初賽)</b> <ul style="list-style-type: none"> <li>- 向評判介紹你的專題研習和解決方案</li> <li>- 與其他團隊交流並互相學習</li> <li>- 選出優勝組別晉級決賽</li> </ul>	<b>Physical</b> <b>實體</b>	<b>School</b> <b>學校</b>
14 May 22 (Sat) 10:00am - 12:30pm	<b>Project Showcase &amp; Final Presentation (Final Round)</b> <ul style="list-style-type: none"> <li>- Present your development and solutions to the judges</li> <li>- Learn from other teams' presentation</li> <li>- Award Ceremony</li> </ul> <b>方案展示暨比賽日 (決賽)</b> <ul style="list-style-type: none"> <li>- 向評判介紹你的專題研習和解決方案</li> <li>- 與其他團隊交流並互相學習</li> <li>- 頒獎典禮</li> </ul>	<b>Physical</b> <b>實體</b>	<b>TBC</b> <b>待定</b>

**\*Program format (online or physical) is subject to the pandemic, and Junior Achievement Hong Kong will contact the school to discuss the arrangement\***

**\*活動舉行模式（網上或實體）將視乎疫情發展而定，青年成就香港部將聯絡校方商討有關安排。**