Inno Space

*"We Nurture Homegrown Technology Talent"*

MAKE SMART
SMARTER

"We Nurture Homegrown Technology Talent"

- An **innovation hub** to nurture technology talent
- The **catalyst** that sparks synergies
- Promote **TechEd** to include advanced **tech**nology + **tech**nical **ed**ucation

Inno Network

Inno Prototype

Inno Idea

FutureSkills

Framework

✓ **No technical** background required

✓ From **Technology** Integration to **Human** Interaction

✓ Develop **Technology Knowledge** & a **Growth Mindset**
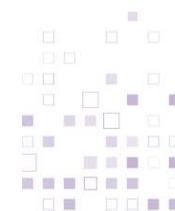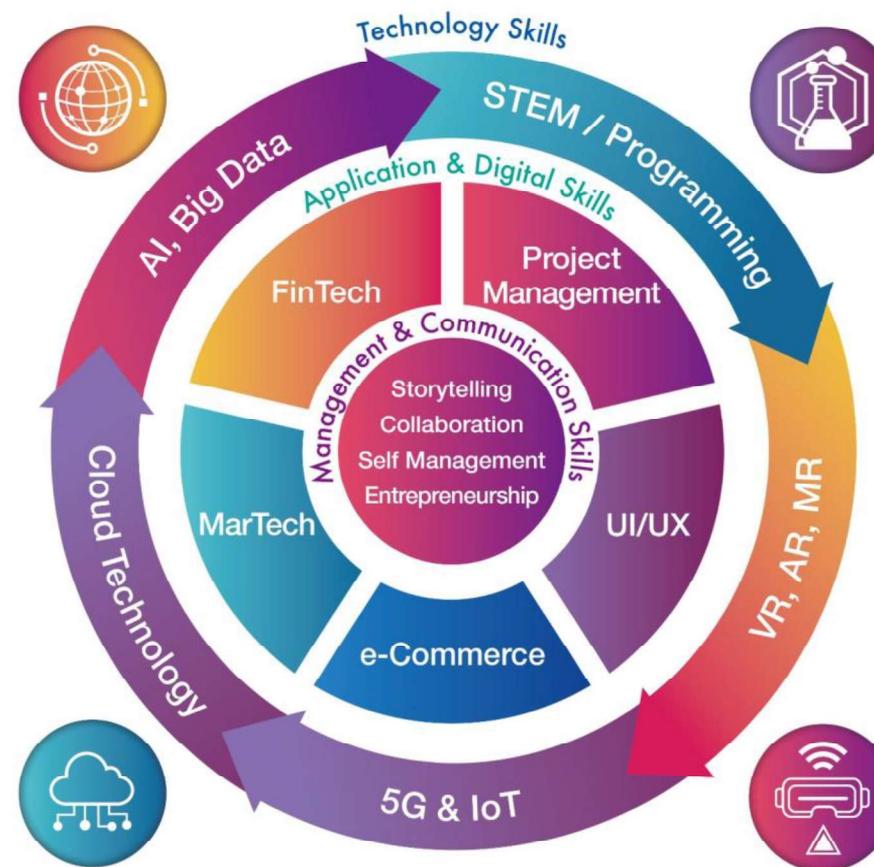
STEM NETWORK

Promote a TechEd Ecosystem

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FUTURESKILLS 裝備未來

Bridging all parties to foster a TechEd ecosystem
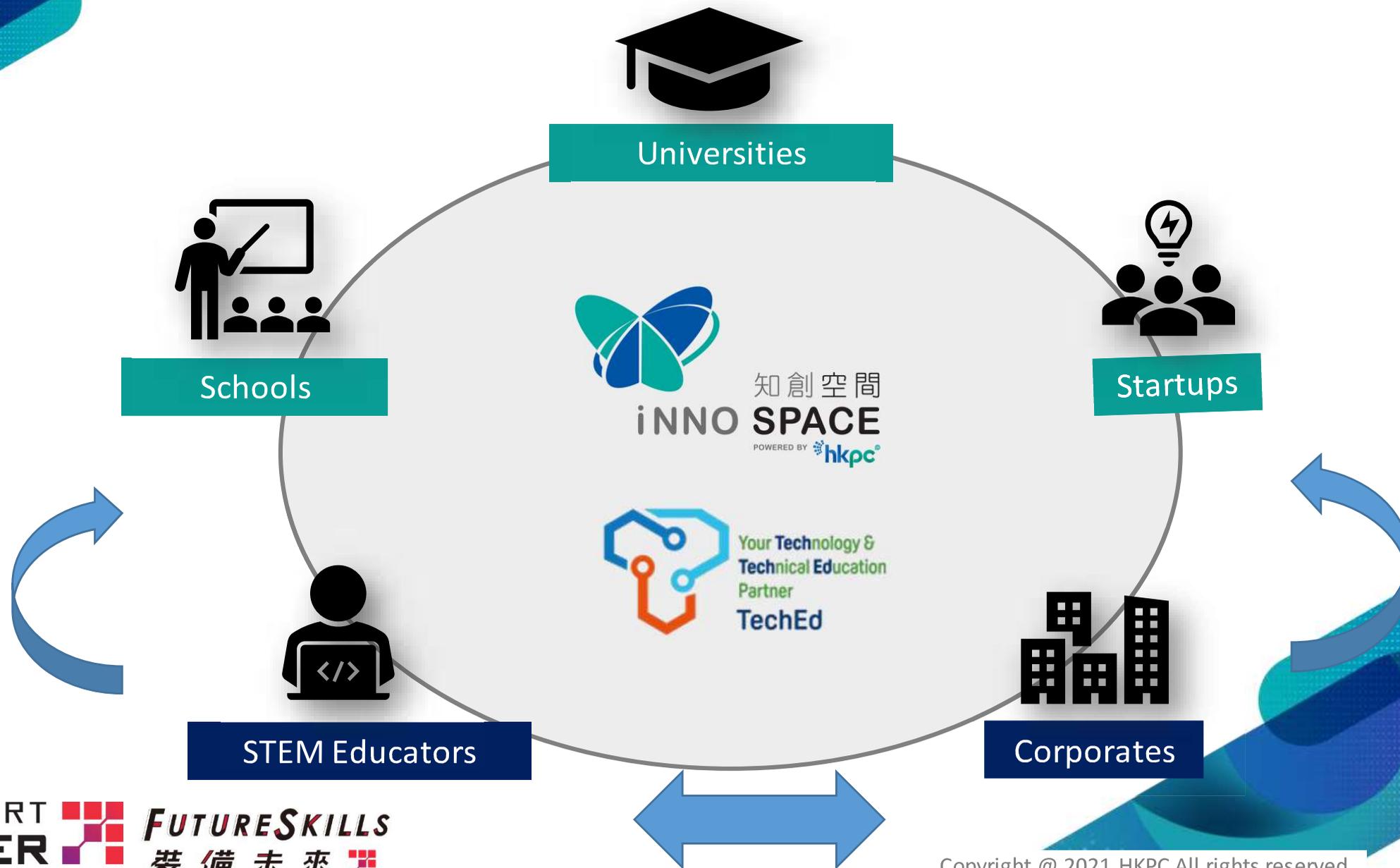
Inno Space STEM Education

STEM School Networks:

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6 Universities

CityU 香港城市大學 City University of Hong Kong

香港浸會大學 HONG KONG BAPTIST UNIVERSITY

香港大學 THE UNIVERSITY OF HONG KONG

HKUSPACE 香港大學專業進修學院 HKU School of Professional and Continuing Education

HONG KONG COLLEGE OF TECHNOLOGY 香港專業進修學校

14 Secondary Schools + 58 Primary Schools

STEM Network – Talent Schemes

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STEM School Talent Scheme
For primary & secondary schools

STEM University Talent Scheme
For university students

STEM Network – School Talent Scheme

School Talent Scheme (STS)
For primiary & secondary schools

✓ *Full access to Inno Prototype*
✓ *Access to STEM support*

Design & Build
"Cultivate Innovations"

- Makers workshops
- Makers events
- Design thinking & Prototypes workshop
- 3D printing and laser cutting services

TechEd
"Develop TechEd Talent"

- STEM workshops
- Train-the-Trainers
- STEM competitions
- Overseas/Mainland study missions on STEM

Advisory & Support
"Empower Schools"

- STEM lab setup advisory
- STEM education support
- Tailor-made subject curriculum
- Advisory on STEM Day
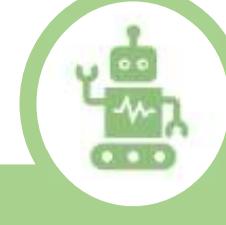
Entrepreneurship & Career
"Broaden Horizons"

- Tech Tour @HKPC
- Company visits on VPET
- A Taste of MIT Entrepreneurship
- A Taste of HKPC Innovations

*Schools may select from any of the above services; additional fees may apply to some of the services.

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Aviation Lab:
- Flight simulator

Inno Prototype (Maker Space):
- 3D Printing Machines
- Laser engraving and marking machine (for wood, plastic & metal)
- Industrial grade machines for metal parts

VR Room:
- VR equipment

Our Facilities
Support Innovation & TechEd

Develop TechEd Talent

By HKPC

- **Machine Training Workshops**

- **Makers Workshops**

- **Tech Talks**
  - Smart City
  - AI & Robotics
  - Industry 4.0
  - Environmental Sustainability

By Partners

- **Aviation and Piloting**
  - Aerial Photography, FPV Drone, Flight Simulation, RV Racing
- **Coding Education**
  - AI, IoT, Robotics, Drone
- **Creative Problem-Solving Skills**
  - Design thinking
  - Entrepreneurship
  - Presentation skills

STEM Workshops/ Webinars
For Public or Schools

Aviation & Piloting 航空及駕駛

- Aerial Photography 航拍
- Flight Simulation 模擬飛行
- FPV Drone 第一身無人機
- RV Racing 實景虛擬賽車

Maker Education 創客教育

- 3D Design & Digital Fabrication
  3D設計及數碼製造

Coding Education 編程教育

- AI and IoT 人工智能與物聯網
- App and Game Design 程式及遊戲設計
- Drone & Robotic 無人機與機械人

Creative Problem Solving 創意解難

- Design Thinking and Entrepreneurship Training
  設計思維與創業思維培訓

More Details

Upcoming: HKPC TecHunt Game

A fun & interactive Game to challenge students on their knowledge of new technology applications, learn new makers concepts, and gain hands-on experience with technology gadgets.

Duration: 1.5 hours

No. of pax: 20 students

Venue: Checkpoints @ HKPC Building

Available from November 2021

Our Projects

Nurture Homegrown Technology Talent

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STEM

TechEd
Your Technology & Technical Education Partner

A **STEM hub to promote TechEd (Technical & Technology Education)** and **nurture homegrown technology talent**

99
STEM Partners

93
STEM Activities

39,569
Students & Teachers

SCHOOLS

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We offer a **comprehensive STEM education services** for schools and the community

79
Network Schools

STEM Projects for the **Home Affairs Offices** in Eastern District, Yuen Long & Tsuen Wan

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Figures shown are from Apr 20 – Jun 21

TechEd Experience Day & Carnival on 9 – 11 October 2020

With over **20 TechEd exhibitions & experience zones, 30 TechEd mini-workshops**

Attracted **over 100 local schools and 600 parents and kids** throughout the 3-day event.

15

Projects with Home Affairs Office 20/21

➢ 東區青年網絡計劃
➢ 元朗區青年網絡計劃
➢ 荃灣區青年活動委員

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東區青年網絡計劃：
「無人飛機群編程基礎課程」

課程內容

- 學習使用 Tello Edu 無人機、無人機使用法規及安全守則

- 透過遊戲和主題活動讓學員體驗駕駛無人機的樂趣，結合 Scratch 圖像式，引導學員學習如何撰寫程式操控無人機。

- 完成訓練後學員需要在比賽中利用無人機避開設置障礙

- 共4堂，每堂8小時（網上或實體授課）

- 課程教授11 間中小學共 165 位學生

活動花絮

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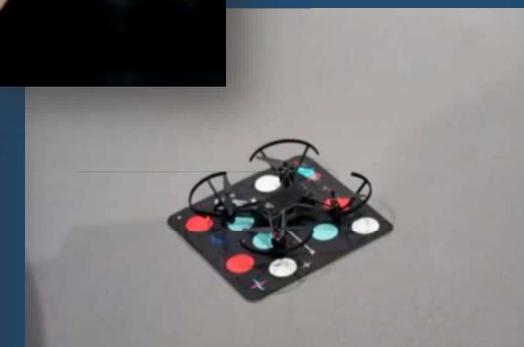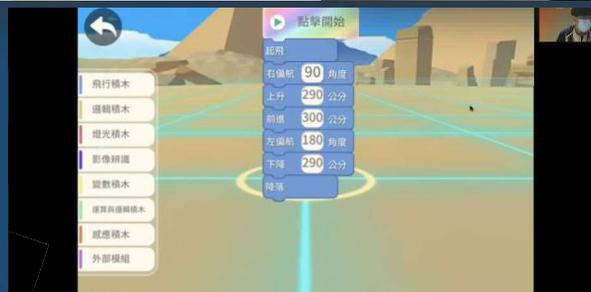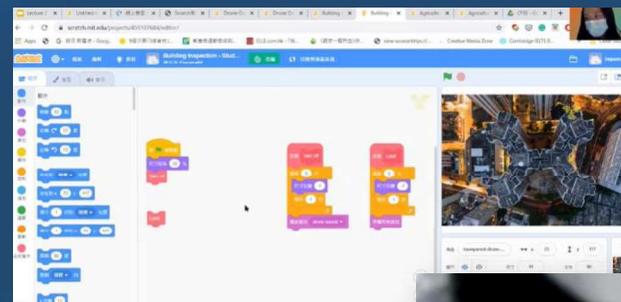
元朗區青年網絡計劃：「STEM工作坊暨比賽」

創意思維：設計思維工作坊

- 學習掌握和實踐設計思維及工具，為各種社會議題設計創新解決方案

- 學習編程理論及運算思維

- 透過由用家需求設計比賽用的方案，學習如何找出及解決問題

- 共 1 堂，每堂 2小時

編程教育：Arduino 編程工作坊

- 全面學習 Arduino，教授硬件知識和程式設計等概念

- 理解開放原始碼硬體及 Arduino 程式設計

- 感測器通訊原理與讀值方式

- 共 4堂，每堂 2小時

創客教育：3D立體繪圖及設計工作坊

- 學習產品設計和 3D打印技巧

- 立體繪圖技巧及思維

- Fusion 360 軟體平台操作技巧

- 共 3 堂，每堂 2 小時

- 設計比賽內容、課程及評審準則
- 課程教授分別來自**12 間中學**，共**150 位學生**
- 完成課程後，學生為比賽設計及創作並呈現能共創快樂社區的作品

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元朗區青年網絡計劃：「STEM工作坊暨比賽」

活動花絮
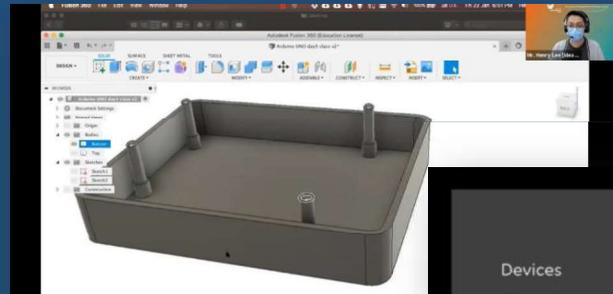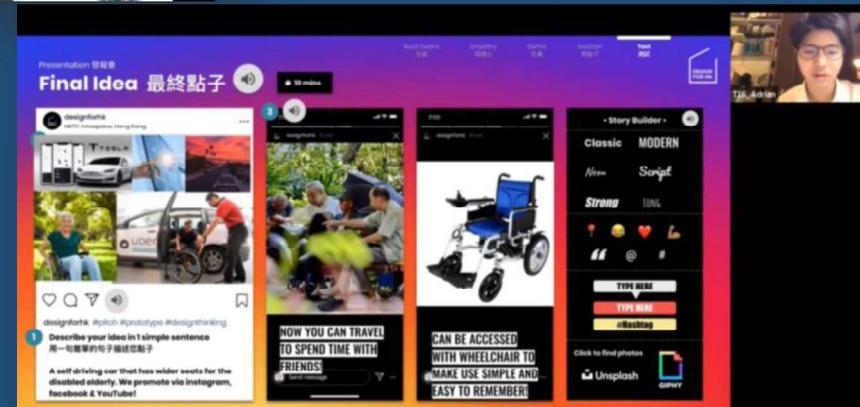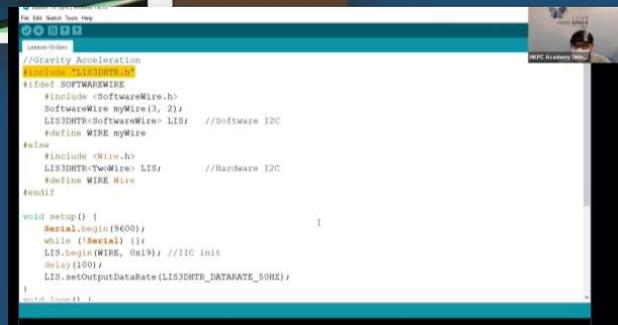
荃灣區青年活動委員會「STEM 技能增值網上課程」

STEAM 創客編程學生工作坊

- 認識 micro:bit 硬件

- 學習 MakeCode 編寫程式平台來操控Micro:bit

- 學習製作簡單而又饒富趣味的STEAM創客產品

- 共 1 堂，每堂 3小時

人工智能科技馬拉松

- 學員會進行一系列機器學習活動，啟動、自然語言處理、推薦系統

- 學習 Python 運用

- 建立測試模型、宣傳模型、進一步推動機器學習

- 共 4 堂，每堂 3小時

教授 60 位分別來自6 間中小學的學生

荃灣區青年活動委員會
「STEM/技能增值網上課程」

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活動花絮

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Our Partners

Promote a TechEd Ecosystem

Inno Space STEM Network
STEM Partners - Education Providers & Maker Network

TechEd Corporate Sponsors/ Partners

Smart Energy Connect powered by CLP

FACEBOOK

HKT Education

Lenovo

Microsoft

NEC

商汤 sensetime

VEX ROBOTICS

MAKE SMART SMARTER

超過60間學校
一齊打造

籌備6個多月

舉辦40多場
編程工作坊

超過500名
學生同時參與

Over 500 students successfully **set a new Guinness World Record** on the most people programming robots simultaneously within one hour

Thank you

Hong Kong Productivity Council
香港生產力促進局

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生產力局

If you are interested to be our partner or
have any questions, please contact:

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