

The Solutions to be Showcased by the Exhibitors
on the IT Innovation Lab in Schools Programme - Sharing and Solution Day
on 28 September 2024

2024 年 9 月 28 日
學校 IT 創新實驗室計劃 — 分享及方案日
參展商將展示的活動方案

Exhibitor 參展商	The solutions to be showcased on the 1/F 一樓展示的活動方案
1.	<p>We will showcase products and services designed for local primary and secondary schools' STEM courses and activities. These include AI robotics workshops, programming courses, Chinese culture-themed STEM activities, and tech products. All courses offer on-campus instructor support, with flexible scheduling based on school requirements. Some courses also provide pathways to international or national competitions.</p> <p>我們將展示專為本地中小學創科課程及興趣活動設計的產品和服務，包括 AI 機器人實踐課程、編程課程、中華文化主題創科活動，以及相關的科技產品。所有課程均提供入校導師服務，課時可根據學校需求靈活安排，其中部分課程還可銜接國際或國家級比賽。</p> <p>#PriSch #SecSch #SENSch #AI_Robotics #STEM</p>
2.	<p>AI Quadrupedal Robot – for primary and secondary</p> <ul style="list-style-type: none"> • The robot is equipped with camera and infrared sensors that can perform different level of AI capabilities. • The Robot has 12 degrees of movement and each leg with 3 joints driven by servo motor. This configuration enable flexible and free movement of the robot. • Use 32-bit microcontroller with full support of graphical and Python programming. • Lectures and lab material is available. <p>Service – training</p> <p>#PriSch #SecSch #AI #Robotics</p>

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3.	<p>For the first time in the region, STEM-knowledge based inventions and innovations of local technology start-up companies are converted into ECA based STEM education materials to create a new approach to STEM education. One that connect our students with real world applications that make STEM education fun and practical.</p> <p>An unprecedented platform of education materials comprising of ICT, AI, IoT, robotics and ESG to name a few.</p> <p>#SecSch, #ECA, #TechStart-up, #Entreneurshp, #Innovation&inventions</p>

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1.	引領教學新體驗！在 Unity 平台上進行遊戲開發，激發學生對未來科技的興趣與應用，提升學習動力與創造力。 #PriSch #SecSch #SENSch #Unity #Game_Design
2.	服務超過 400 所學校和 3 萬名學生，致力以創新科技塑造優質教育，研發涵蓋 AI 自動評分與回饋系統、AI 及 Micro:bit 虛擬課室，並提供國際認可的證書課程和比賽支援等到校培訓服務。 #AI #STEM #Python #Certificate #Competition
3.	想知道 STEAM 最新的發展?於本攤位你將可以體驗到人工智能(AI)、物聯網(IoT)、神經元(Neural Network)、FPV 賽車、Switch Game Design 等最新的 STEAM 教育項目。由幼稚園到高中、由圖像化編程以至 Python，呢度有齊你要的課程資料！ #PriSch #SecSch #SENSch #AI #IoT

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4.	<p>Using Immersive Virtual Environments to Master Prompt Engineering. This solution enables students to create a 360-degree virtual environment, using prompts to develop unique AI characters. Learning areas:</p> <ul style="list-style-type: none"> • Using prompts to create intelligent AI characters; • Using prompts to generate 360-degree virtual environments; • Integrating gamified storytelling. <p>Elevates problem-solving skills with AI-Robotics through competitions Comprehensive training program in electronics, coding, robotics, and AI skills, target for national and overseas super AI competitions</p> <p>運用沉浸式虛擬環境學習提示工程(Prompt Engineering)讓學生能自學創建一個 360 度虛擬環境，運用提示，創建獨特的 AI 人物。學習範圍：</p> <ul style="list-style-type: none"> • 運用提示創建智能 AI 人物； • 運用提示生成 360 度虛擬環境； • 結合遊戲化的故事敘述。 <p>從競賽中鍛鍊 AI 機械解難力，全方位培訓學生電子、編程、機械、AI 技能，參與國家及海外超級 AI 賽事。</p> <p>#PriSch #SecSch #SENSch #GenerativeAI #AI_Robotics</p>

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5.	<p>Awarded the STEM Mark Certification, our one-stop AI solution, jointly developed with top-notch AI corporations, offers students the chance for AI experiences, certificate courses, and application opportunities in innovation competitions.</p> <p>與領先 AI 科技企業聯手開發的一站式 AI 教學歷程，獲香港工業總會的 STEM 嘜認證。AI 方案包含全級體驗日、證書課程及科創比賽。學生將了解 AI 概念及應用可能；他們更可設計獨有的 AI 產品及編寫 AI 模型。</p> <p>#AI #Certificate #Competition</p>
6.	<p>服務學界多年經驗，網羅各式各樣的應用科技解決方案，本次活動展出 AIoT、機械人編程、Swift Coding、VR/AR 及 STEAM 等。</p> <p>#AIoT #機械人編程 #Swift #AR_VR #STEAM</p>
7.	<p>Carbnovo Tree (碳新樹) is an innovative square tile designed to grow green algae for CO2 reduction, contributing to effective ESG reporting. C-Mesh (CM 碳聯網) is a network of AI sensors that monitors CO2 levels in outdoor hydroponic systems, enabling insights into plant life cycle and genetics for enhanced sustainability.</p> <p>#AI #Carbon #ESG #Science #IoT</p>

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8.	<p>讓學生製作一個屬於您學校的互動 AI 校史廊吧！在我們的課程中，學生將學習如何透過 3D 建模和 AI 技術親手設計和體驗校史。讓 AI 學生角色講述學校歷史，讓學校歷史不再枯燥乏味，而是充滿互動與活力！</p> <p>#互動學習 #AI 技術 #AI 校史廊 #AI 對話 #體驗校史</p> <p>Encourage students to create an interactive AI history hall for your school! In our course, students will learn how to design and experience the school's history using 3D modeling and AI technology. Let AI avatars narrate the school's history, making it engaging and lively rather than dull. #InteractiveLearning</p> <p>#AITechnology #SchoolHistory #StudentInvolvement #InnovativeProject</p>
9.	<p>進入無人機編程教育界 2.0！</p> <p>提供 AI 人工智能體驗，配備可調節雲台的智能攝像頭，讓學生探索循線、射擊等創新功能。當然唔少得悅目既群飛表演！</p> <p>同場加映「競技編程機械人」</p> <p>全新機械人連結亞運會主題「數智競技」，結合編程、機械工程和 3D 打印，讓學生打造自己的機械人，編程解難！擠身於 STEM×運動競技的盛事。</p> <p>#Drone_Upgrade #Swarmfly #Competition #Robotic #Code_Challenge</p>

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10.	<p>Web 3.0 era emphasizes user-generated content-oriented. Understanding productivity tools for content creation is crucial to our students and teachers. Throughout our training and workshops, not only students could have a taste of special job roles such as game designers or digital artists, but they could also master innovative technologies such as Blockchain and Generative AI. The school may also get a chance to showcase students' outstanding performance on the famous metaverse platform!</p> <p>#Blockchain #Metaverse # GenerativeAI #Game_Design #Digital_Art</p>
11.	<p>Ignite students' passion for learning and nurture future innovators! We offer a diverse range of STEAM education tools and solutions, covering robotics, coding, technology, and more, along with supporting curriculum and materials. We also provide support for educators, and host international STEAM competitions and exchange programs for a richer learning experience for students.</p> <p>激發學生學習熱情，培養未來創科人才！我們提供多元化的 STEAM 教育工具和解決方案，涵蓋機械人、編程、科技等領域，並提供配套課程和教材。我們亦提供服務支援教育工作者，並舉辦國際 STEAM 比賽及交流團，為學生提供更豐富的學習體驗。</p> <p>#PriSch #SecSch #SENSch #STEAM #Robotics</p>

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12.	<p>Our mission is to provide a rich range of innovative educational products and solutions, actively support learning, promote student's progress in all areas of development, and are committed to providing high-quality AI learning materials as well as STEAM Educational products and solutions for schools.</p> <p>我們致力提供豐富的創新教育產品和解決方案，積極支持學習，促進學生各領域發展進步，承諾為學校提供優質的 AI 學習教材以及 STEAM 教育產品和解決方案。</p> <p>#Microbit_AI #Raspberry_Pi_AI #中小學 AI 教材 #STEAM</p>
13.	<p>為院校度身訂造各類 STEAM 教學方案，助學校指導學子全方位探索創科世界！展位內會展示 AI 機械產品、智能六軸機械人臂及各式各類的創科教育方案。誠邀各位校長、老師同工前來參觀 ！</p> <p>#AI_Robotics #Robotic_Arm #STEAM</p>
14.	<p>Our booth showcases innovative solutions integrating AI, IoT, and robotics to enhance learning across elementary to secondary education. We'll demonstrate how creative 3D building blocks and robot programming platforms empower teachers and students to achieve academic excellence in schools.</p> <p>我們的展台展示了將人工智慧、物聯網和機器人技術融合的創新解決方案。旨在提升從小學到中學各個教育階段的學習體驗。我們將展示如何利用創意立體積木和機器人編程平台來支援教師和學生實現卓越的教與學成果。</p> <p>#PriSch #SecSch #SENSch #AI #IoT</p>

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15.	<p>Our company is where creativity meets technology, empowering students aged 10-18 to use their creativity to better harness IT for coding and problem-solving. Our program blends hands-on experience with cutting-edge AI tools and real-world applications, helping students prepare for future careers in technology. We offers a comprehensive curriculum that enhances problem-solving abilities, fosters logical thinking, and equips students with the skills needed to excel in today’s digital world. Join us in shaping the next generation of IT innovators and problem-solvers.</p> <p>#PriSch #SecSch #Coding #AI #Logical_Thinking</p>
16.	<p>我們將會展示 24-25 年度 Microbit AI 編程賽示範，電腦與科學跨學科器材。</p> <p>#PriSch #SecSch #Microbit_AI #Competition #Cross_Curricular</p>
17.	<p>一起開啟您的網絡安全未來！</p> <ul style="list-style-type: none"> ● 尖端課程：網絡安全專家課程，培育和提升學生的網絡保安知識及興趣。 ● 認證：獲得網絡安全公司的權威認證，全球頂尖雇主認可。 ● 職業發展：掌握高需求技能，為學生更容易獲得相關職業機會。 <p>#Future_Skill #Cyber_Security</p>
18.	<p>"VEX Robotics" is a global leader in STEM education. Our mission is to help educators build capacity and help students become the future problem solvers of tomorrow. VEX's K-Career continuum of standards aligned curriculum, educator certification, hardware and software can help scaffold a student's learning journey.</p> <p>#STEM #Robotics #Computational_Thinking #Coding #Physical_Computing</p>

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19.	<p>A comprehensive solution provider for primary and secondary school with the provision of hardware, software & training courses. We provide schools with the latest technology for STEAM, coding, creativity and design, AR & VR experiences. Our expertise extends to providing guidance on IT projects.</p> <p>我們專為中小學提供硬件、軟件和培訓課程。我們為學校提供最新的 STEAM、編程、創意設計、AR 和 VR 技術。我們的專業知識還包括提供 IT 項目的指導。</p> <p>#PriSch #SecSch #STEAM #Coding #AR_VR</p>
20.	<p>Various e-Learning & STEAM Education solutions, such as:</p> <ul style="list-style-type: none"> • a platform for creation of XR (AR/VR/MR) content with minimal programming. It lowers the technical barrier for XR creation, promoting the widespread application of XR. • a multi-functional AI education tools that provides high-performance computing and multi-mimicry robotics. Supports a variety of programming tools, catering to the AI education needs from basic to advanced levels. <p>#PriSch #SecSch #SENSch #STEAM #XR_Platform</p>

Note: The solutions on IT-related extra-curriculum activities are for reference only and are subject to change. Also, it does not imply that the solutions are recommended by the Digital Policy Office and the Hong Kong Association for Computer Education.

註: 資訊科技相關的課外活動方案僅供參考，可能會有變動。此外，並不代表數字政策辦公室及香港電腦教育學會推薦這些方案。