

Braving the Epidemic

敢創抗疫



Learn AI using AI

At 10 years old, Mike loves every science and computer class—from science experiments to building robots. Mike was thrilled when he first heard that his school had to be suspended due to the pandemic, and was overjoyed with the idea of sitting at his computer every day.

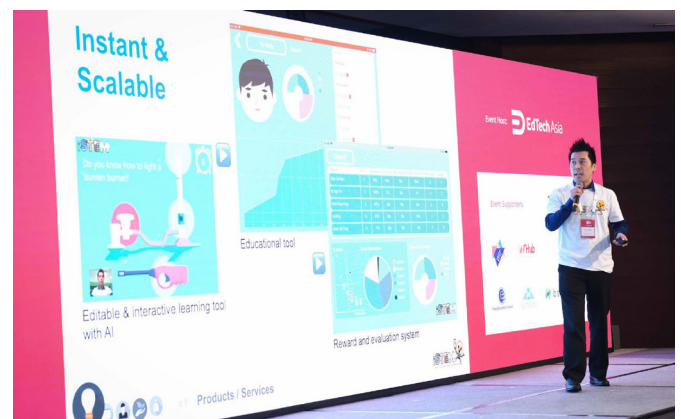
But it was not quite what Mike had been expecting: he could only listen to the science teachers talk about various theories, without any opportunity to put them to work through experiments.

Noticing that Mike was not as attentive as he used to be in the classroom, his teacher suggested that he check out some STEM learning games and videos developed by iSTEM AI Lab. Mike was able to follow the instructions from iSTEM to DIY his own creations. Finally he rediscovered the passion he had missed from being in the school laboratory!

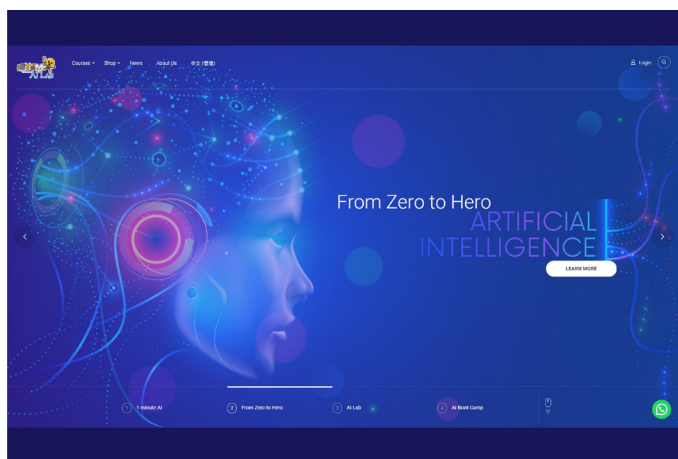
The number of visits to iSTEM AI Lab's online learning platform, webinars and online classes have doubled since schools have been suspended. Eagle Chan, Founder of iSTEM AI Lab explains that the emulating the interaction of physical stem classes is key to a good online learning experience.

"iSTEM AI Labs takes advantage of artificial intelligence, virtual reality and gamification to make virtual learning interesting for primary and secondary school students," Eagle says.

iSTEM motivates students to carry out a wide range of hands on experiments, such as assembling a telescope to learn about light reflection; to build motor fans to understand air and wind movement; and to make a catapult to understand mechanics. These DIY projects allow students to



Meanwhile, iSTEM is very useful in helping teachers to assess their students' learning progress. They employ 5G technology and real-time records to collect learning data and generate relevant analysis. Teachers can then understand the class or a particular student's learning progress.



immerse themselves so as to understand the core science principles underneath. Students can also access AI introductory courses on the Edmodo online platform, a partner of iSTEM. On top of that, over 50 free STEM videos are available on iSTEM's website for keen learners to further explore various subjects.

Quick facts



- iSTEM offered online AI and STEM education programme for local schools and NGOs during the schools' suspension period.
- Made available over 50 free STEM education videos to students.

Company Profile

Cyberport Community Member iSTEM AI Lab uses sentiment analysis, big data analysis and gesture detection to develop a series of learning programmes. These programmes enhance users' learning experience, motivate engagement and performance efficiency with the use of Artificial Intelligence, virtual reality and gamification. Since February 2018, the EduTech startup has been providing services for a number of schools and NGOs.



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Learn more about
iSTEM AI Lab

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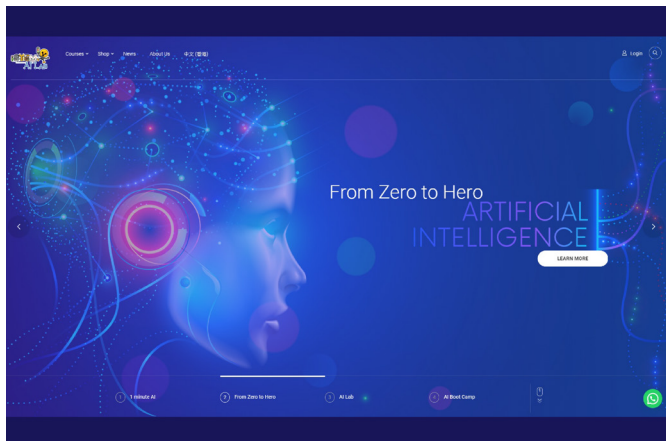


遙距學習及
在家工作

用AI學AI

小六的明仔熱衷STEM課堂，最愛做科學實驗和砌機械人。新冠病毒疫情迫使學校停課，明仔也要留家網上學習，初期他還暗喜有機會天天對著電腦，但日子愈久他就愈提不起勁；尤其上科學堂和工程課堂時，明仔只能夠看著老師一味講解，卻聽得一頭霧水。老師於是建議明仔試玩由iSTEM AI Lab開發的STEM學習遊戲，並觀看由iSTEM製作的STEM影片，跟隨指示在家嘗試一系列趣味盎然的DIY製作，明仔終於尋回昔日在實驗室學習的歡樂。

自疫情導致停課以來，iSTEM AI Lab的網上學習平台、網上講座及網上翻轉課堂都錄得較去年同期多兩倍使用量。iSTEM AI Lab 創辦人陳基志Eagle表示：「要做到『停課不停學』，我們需要為學生打造猶如親身上課般互動又有趣味的網上學習體驗。iSTEM AI Lab的人工智能、虛擬現實、遊戲化之STEM教育課程，令中小學虛擬教育饒富趣味，帶學生跳出刻板的學習環境。」



iSTEM鼓勵學生參與手作實驗，如自行組裝望遠鏡學習光的反射，製作電動風扇學習空氣及風流動的原理，以及自製投石機學習機械物理等，透過一系列趣味盎然的DIY製作，引導學生們主動參與，了解各類科學的底蘊；同學們更可利用iSTEM夥伴Edmodo的網上平台學習進階人工智能入門課程。另外iSTEM製作超過50條免費影片，讓學生於網上學習不同STEM知識。



另一方面為了幫助教師在遙距授課期間依然可評估學生教學進度，iSTEM透過5G技術和實時探測得到更快、更準確的學習表現數據分析，有助建立數據庫更深入了解學生的學習體驗，從而預測學習表現，助老師更具體掌握學生學習進度。

速覽



- 新冠病毒疫情期間，iSTEM向學校及非政府組織提供網上學習平台體驗人工智能學習。
- iSTEM免費開放超過50條STEM教學影片供學生試用。

公司簡介

數碼港社群成員iSTEM AI Lab透過情緒分析和大數據分析手勢檢測，部署人工智能，虛擬現實和遊戲化，增強學生參與學習和預測學習成績。自2018年2月以來，iSTEM AI Lab已為多所學校和非政府組織提供服務。



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iSTEM AI Lab