行動名稱:啟發孩子在真實世界創造出永續解方

指導單位：國家發展委員會

主辦單位：BBC Micro:bit Educational Foundation

合作單位：ZA雜學校

執行單位：奧斯丁國際有限公司

我們的目標

66 Inspire every child to create their best digital future 99

The Micro:bit Educational Foundation is a not-for-profit organisation that aims to inspire every child to create their best digital future.

We do this by:

- developing hardware and software that inspires young people to get excited about technology and the opportunities it presents for them

- creating free, user-friendly educational resources to support teachers in delivering engaging and creative lessons

- working with like-minded partners to deliver high-impact educational programmes across the globe.
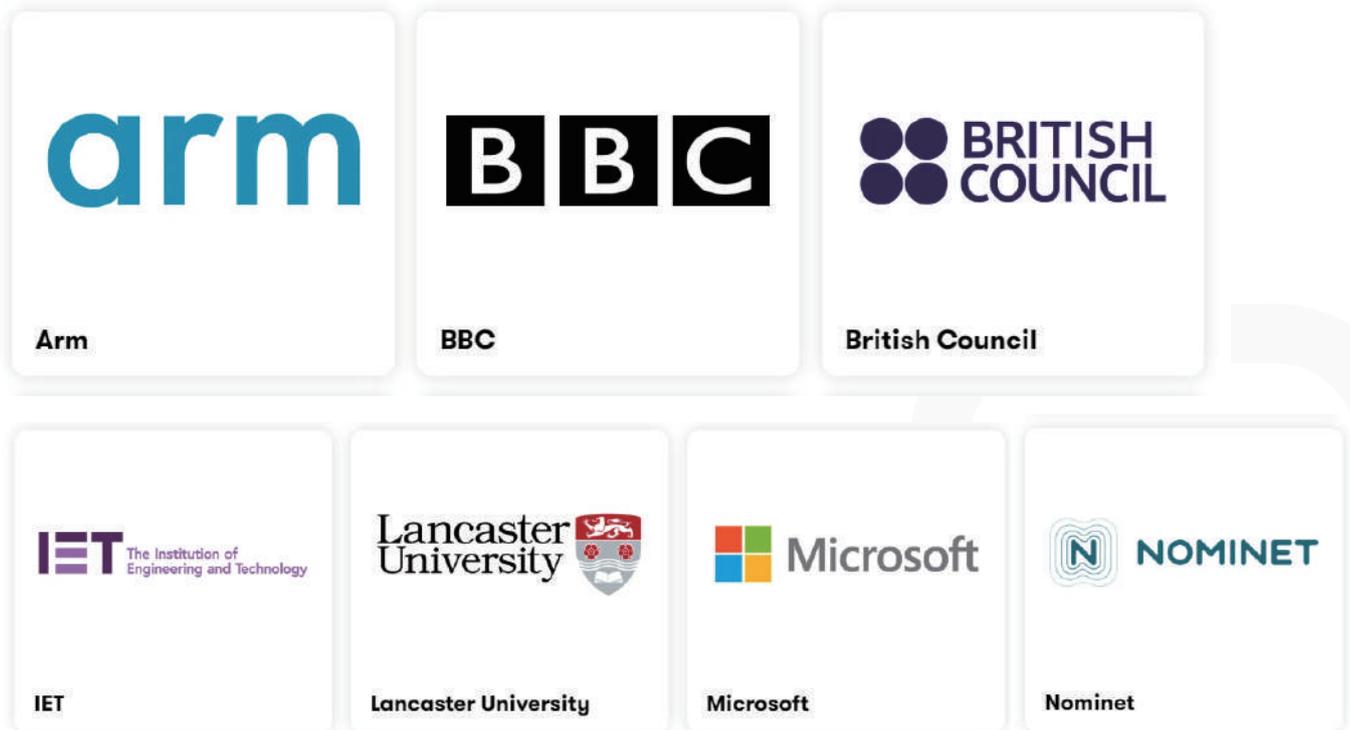

https://microbit.org/about/#top

BBC micro:bit教育基金會 創始單位與夥伴
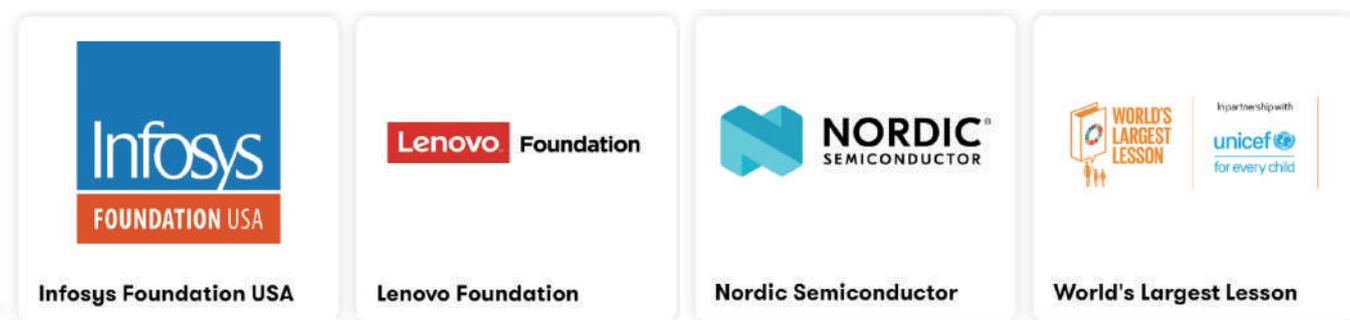
Our partners

Founding Partners

We are grateful for the long-standing support of our Founding Partners, who have been with us since the very early days and continue to play an integral role in our work.

arm Arm	**BBC** BBC	**BRITISH COUNCIL** British Council
IET The Institution of Engineering and Technology IET	**Lancaster University** Lancaster University	**Microsoft** Microsoft	**NOMINET** Nominet

Partners

With thanks to the following organisations who have made major contributions to our work:

Infosys FOUNDATION USA Infosys Foundation USA	**Lenovo Foundation** Lenovo Foundation	**NORDIC SEMICONDUCTOR** Nordic Semiconductor	**WORLD'S LARGEST LESSON** In partnership with **unicef** for every child World's Largest Lesson

https://microbit.org/about/#founding-partners

相關文獻及研究報告

Introduction

Academic research and evaluation papers from education programmes around the world that are investing in the development of digital skills, creativity and computational thinking using the BBC micro:bit

Serbian students participating in the 21st Century Schools programme
British Council

The Micro:bit Educational Foundation is a not-for-profit organisation. Our mission is to inspire every child to create their best digital future. By making the micro:bit the easiest and most effective learning tool for digital skills and creativity, we enable children to participate in the digital world, with particular focus on girls and those from disadvantaged groups.

The Foundation works in partnership to gather evidence on the impact of the micro:bit in more than 60 countries. As new research from different sources becomes available it will be published on this page. If you have published research you would like to see featured here, contact us.

https://microbit.org/impact/research/

基金會全球報告
2017至今已普及至60多國,5200萬個使用者

Introduction

Education systems around the world are dealing with the impacts of technology and the fast-changing need for new skills and knowledge. While the subject landscape for curriculum is varied, the micro:bit is being used as a tool for learning in all of these contexts. There are more than 25 million children who experience learning with the micro:bit around the world.

Computing and technologies education is rapidly being integrated into formal school curricula, creating a need for confident, qualified teachers and motivating, purposeful learning experiences for students.

Impact studies show the micro:bit improves algorithmic thinking and problem-solving skills and raises students interest in programming, addressing the technology gender gap by broadening participation amongst girls as well as boys.

In 2019 - 2020, the Micro:bit Educational Foundation conducted research into the wide range of education settings in which the micro:bit is being actively embedded in children's learning at school. This series of reports looks at programmes of varying scale in countries across Asia, Europe, Latin America and North America. This research was conducted prior to the COVID-19 pandemic.

https://microbit.org/impact/foundation-reports/

近期最新發展（美國,烏克蘭）

Bringing young STEM creativity to the White House

01 Jul 2024

How we joined the National STEM Festival, with EXPLR Media and the US Department of Education, to bring the creativity of the micro:bit to even more people throughout the US.

When we took the Micro:bit Educational Foundation to the White House

https://micro-bit.org/news/2024-07-01/bringing-young-stem-creativity-to-the-white-house/

From the lab to Ukraine's front line

21 Jun 2024 Michael Banks

Physicist Holly Tann and colleague Adam McQuire talk to Michael Banks about how they set up the non-profit organization Casus Pax to help people in Ukraine

Welcome delivery Holly Tann (right) and Adam McQuire deliver BBC Micro:bits to Zaporizhzhia Polytechnic National University in April 2024. (Courtesy: Zaporizhzhia Polytechnic National University)

https://physicsworld.com/a/-from-the-lab-to-ukraines-front-line/

臺灣發展近況

- 南一書局、翰林出版已將micro:bit列入教科書範例課程
- 南投縣、新竹縣國中小學全縣配發micro:bit
- 臺南市東區大同國小學生更獲得Do your bit全球永續競賽亞太區冠軍

南投縣112學年度第一屆麥克松創意競賽於5月31日在光復國小登場。

https://www.etto-day.net/news/20240604/2752099.htm

英國BBC microbit教育基金會執行長Gareth Stockdale到台南市東區大同國小校參訪，表揚師生在創新教育的努力和成效。

https://udn.com/news/story/6898/7138286

臺灣推動數據

461場 合作辦理課程	855所 合作學校	54項 榮耀紀錄	13所 產學合作大專院校

2020至今已和多家臺灣科技公司
共同推動ESG公益科技教育活動

環境保護

連結本身
科技產業特性

員工認同感

科技教育　核心理念

結合企業ESG指標
轉譯公益課程

晶片設計、半導體製造、光電
面板、工業電腦
檢測儀器、資安服務設備

成果繳交
影響力

製作各類型節能智能裝置模型
影響企業內部員工的認同感
對臺灣科技產業永續發展的影響

統籌整場活動及
媒合學校

奧斯丁國際
OURSTEAM International

我們長期陪伴臺灣學校
為SDGs議題展開行動
並提供競賽及優選作品展覽舞台

● 2021.11.23 泰安服務區

● 2022.05.04 仁德服務區

● 2023.05.01 政大公企中心

● 2024.07.19 圓山花博爭艷館

我們相信與其告訴孩子永續發展議題很重要
不如讓他們使用科技工具為真實世界展開行動
請加入我們

micro:bit

Micro:bit Educational Foundation

12 New Fetter Lane

London, EC4A 1JP

United Kingdom

waris@microbit.org

奧斯丁國際 OURSTEAM International

Taiwan Delivery Partner

奧斯丁國際有限公司

402台中市南區建國北路二段36號

04-23753535

0954-021421 林宏哲

service@oursteam.com.tw