



Impact 2022

Changing lives through powerful partnerships

Our vision is a world-leading STEM education for every young person in the UK.



Baroness Brown
Chair, STEM Learning

Brown & Cambridge

Young people face a challenging world. We all have our part to play by supporting them with world-leading teaching, life-changing career opportunities and inspiring role models. In return, we can help you achieve your strategic goals and make a measurable difference where it is needed most. We have the experience, ideas and momentum; now is the time to get involved and change young people's lives.

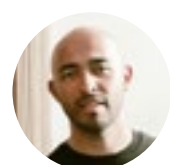
What people are saying about us...

"STEM Learning gave me a 'why' to what I was learning ... my career prospects changed completely. Now I launch rockets from high-altitude balloons."



Daisy Richardson,
Junior Aerospace
Engineer, B2Space

"A good STEM education is so important for Izzie and her future career. STEM Learning's support has got her thinking about her career even at a young age!"



Rob,
Parent of Izzie, 7

"Rolls-Royce is a long-standing supporter of STEM Learning because of the powerful ways they reach more young people through relatable role models and real-life applications of STEM in the world of work, both crucial elements in our Rolls-Royce Education Outreach strategy."



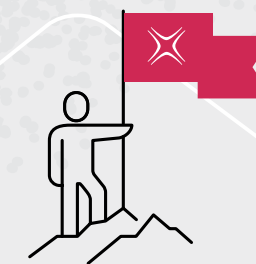
Nicola Swaney,
Education Outreach
Manager, Rolls-Royce

"There's nothing better than seeing a student coming back a few years later and picking a STEM career. We've made a difference, especially in widening participation."



Mhairi Mitchison,
Assistant Head of Science,
Blackpool Sixth Form College

STEM Learning makes a difference. In the last 12 months we have...



Remained the **largest provider** of
STEM education and careers support in the UK



Supported over
2 million young people
and tackled disadvantage

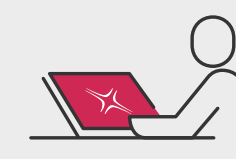


Worked with **every school** in
the UK and connected with over
400,000 teachers and educators

Linked STEM Ambassadors from over
7,000 businesses to bring inspiration
and industry knowledge into schools



Encouraged over
20,000 teachers
to share knowledge,
resources and
expertise through the
STEM Community



Made over
14,000 resources
available to
teachers for free



Invested **100%**
of our income in
improving STEM
education

Want to be a part of this success? Visit
stem.org.uk or email employer@stem.org.uk



Our unrivalled network

STEM Learning makes a bigger impact because we bring together a vast network of partners from business, education, government and the charity sector.

Our delivery teams work on the ground in the toughest areas and their enthusiasm and local knowledge is invaluable.

Expanding all the time, our network includes:

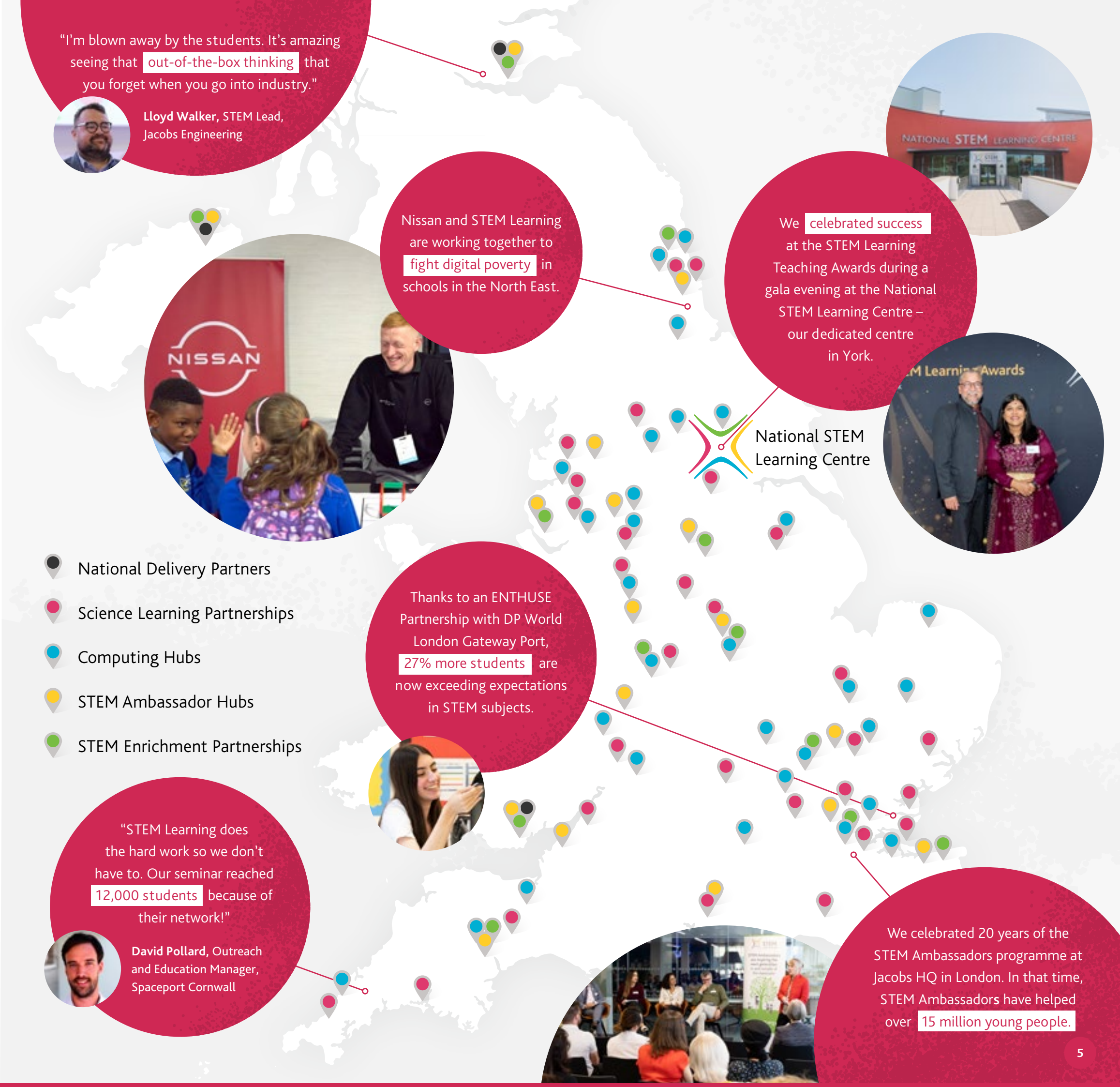
25,000 schools

7,000 businesses

92 delivery partners

48 funding partners

19 government bodies



STEM Learning... inspires **young people** in STEM

Layla is 9. She comes from a single-parent household, and her dad works long hours to provide for the family. She's really good at mathematics, but lessons have been disrupted for the last two years and her teachers are under enormous pressure.

There are millions of children like Layla in the UK who will succeed with the right support. If her teachers can access training, they can plan and deliver engaging lessons to offer more help.

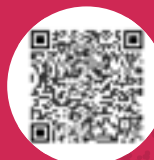
Resources tied to real-world examples will help Layla understand why her lessons are relevant, and show her all the different STEM careers she never knew existed. STEM Ambassadors can visit Layla's school, giving her role models who can encourage her to follow a career in STEM. Expert teachers can run camps during the holidays, helping her with the transition to high school; from there she can get involved with careers fairs, mentoring, exciting competitions and forge her own path into a STEM career.

Millions more children like Layla could succeed if you partner with STEM Learning.

“**Siemens PLC** has partnered with **STEM Learning** to support a tailored **ENTHUSE Partnership** to inspire SEND students and their teachers. We are also learning so much about different routes in education to ensure we continue to be a truly **equitable and inclusive employer.**”



Mark Wood, Schools and Education Manager, Siemens



READ Learn about the Siemens ENTHUSE Partnership.



Four meaningful encounters with an employer make a young person **five times more likely** to succeed in a career.

What they say...

STUDENT

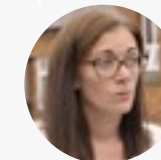
“STEM Learning gave me my first taste of being able to tackle interesting, real-world problems with mathematical methods and opened my eyes to the possibility of doing so as a career.”



Ria,
Research Placement Student, 16

PARENT

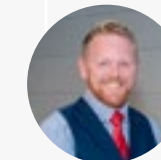
“Miss Sutton's teaching has changed Noah's perception ... he now absolutely loves STEM. He attends after-school clubs, which he really enjoys.”



Marie-Claire,
Parent of Noah, 9

TEACHER

“I think our pupils have had their eyes opened more to what STEM careers they could work towards so they're able to give themselves a goal for the future and that they are starting that journey now.”



Matthew Howells,
Year 2 Teacher and STEM Coordinator, Ysgol Y Graig Community Primary School

Evidence shows children make **career-defining choices** as young as seven. With STEM Learning, you can reach them before it's too late.



WATCH See why Matthew won Excellence in STEM Teaching at our National Teaching Awards.

Self-belief is a major barrier for many young people. Students who have been on our STEM camps are **twice as likely** to believe they can achieve a STEM career.



STEM Learning... invests in teachers and educators



Every teacher we support helps 100 pupils a year, so our partners reach more young people and leave a legacy of learning.

We all remember one teacher at school who went the extra mile. They inspired us, challenged us and made us love their subject; often a subject that underpins our career.

STEM Learning helps empower amazing teachers by providing training, expert resources and career-related context in partnership with thousands of employers across the country. Working with our partners, we map industry resources to the curriculum, making them popular because they are relevant to lessons.

Working with every school in the UK means we work with schools in your area. Over 400,000 teachers and school leaders trust STEM Learning to deliver high-quality training, resources and opportunities. Over 7,000 businesses already trust STEM Learning to bridge the gap between education and industry, because working with teachers is the best way to have a lasting impact.



Teachers are 160% more likely to stay in the profession after completing STEM Learning CPD.



What they say...

TEACHER

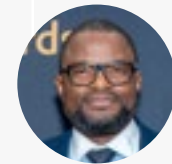
"Attending STEM Learning CPD has given me a better understanding of the science curriculum and STEM overall so that I am now able to ask deeper questions and make learning links across all STEM subjects."



Abigail Collins,
Year 4 Teacher,
Burlington Junior School

SCHOOL LEADER

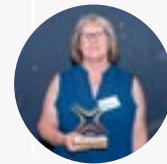
"STEM Learning has enabled me to grow as a teacher. Sharing best practice and training with others allows me to evolve my teaching and become a better teacher."



Jude Nzemeke,
Leader of Computing,
Southend High School for Boys

SUPPORT STAFF

"Everything I've learned at STEM Learning, I've used in schools and in my role as a senior manager and trainer for other technicians. I've learnt how to train people without using jargon and making everything really clear."



Jackie Merritt,
Senior Science Technician, Oxford Spires Academy



WATCH Discover why Burlington Junior School were celebrating at the STEM Learning Teaching Awards in Summer 2022.

“The generous support from Aramco gave me the opportunity to develop my teaching practice at the National STEM Learning Centre. The experts at STEM Learning have had a huge impact on my teaching and my students. I highly recommend their services.”



Jack Richardson,
Science Teacher,
Co-op Academy

STEM Learning... connects employers with education



Inspiring future talent is the most valuable investment a company can make. Inspired pupils become dedicated employees, their career path built on excellent teaching, memorable experiences and representative role models.

Engaging with young people through STEM Learning is also a powerful way to support inclusion and diversity in your workplace and demonstrate your organisation's commitment to responsible business practices while having a real impact. This helps to make your outreach and social responsibility investments work better for you.

As one of the few organisations with access to the National Pupil Database, we know over 4,500 additional young people have taken STEM career paths because of our support.

What they say...

APPRENTICE

"I love being a STEM Ambassador because it gives me the opportunity to support young people and share our industry knowledge and experience with them."



Bonnie Lewis,
Environmental
Practitioner Degree
Apprentice, Jacobs

AMBASSADOR

"Being a STEM Ambassador means I make a difference, helping talented people from any background to find a role."



Darrell Njogu,
Undergraduate
Aerospace Engineer,
BAE Systems

EMPLOYER

"Our brands Carbon60, Lorien and SRG Talent support STEM Learning, because together, we can create sustainable talent pipelines across the UK. STEM Learning helps us demonstrate our commitment to our clients and the communities they serve."



Chris Blackburn,
Head of CSR,
Impellam Group



WATCH Find out from Bonnie why she became a STEM Ambassador.



“Social value is a powerful tool for understanding the real impact a company can have in their community.

With a social value of over £500,000 for every ENTHUSE Partnership, STEM Learning is ensuring a strong return on our investment.”



Tom Thayer,
Education and Employability
Consultant, bp

Future goals

Our vision is a world-leading STEM education for every young person in the UK. In 2022, we reached 2 million young people, which is more than any other STEM education and careers support organisation in the UK. But we want to do more, and we need your support.

The challenges have never been greater. The pandemic has undone 20 years of progress to help the UK's most disadvantaged young people. Talent pipelines are not keeping up with growing UK businesses. Food security, energy, security and climate change are the biggest challenges of our time.

We can help to solve these problems if we face them head on, together.

GOAL 1

Increase awareness of STEM careers

- “ We’re investing in the STEM professionals who will lead our industry to success. Our partnership with STEM Learning brings together **education and industry experts**, promoting STEM career opportunities that young people simply haven’t been aware of until now. ”



Millie Kendall,
CEO, British
Beauty Council

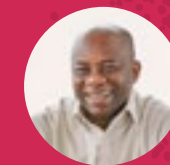


Celebrating excellence at the STEM Learning Teaching Awards at the National STEM Learning Centre.

GOAL 2

Foster inclusive workplaces

- “ At DeepMind, we are supporting the next generation of AI creators, ensuring they truly represent a wider world. By combining our industry knowledge with STEM Learning’s education expertise, we are **breaking down the barriers** that are causing underrepresentation in the field. ”



Obum Ekeke OBE,
Head of Education
Partnerships,
DeepMind

GOAL 3

Provide high-demand skills

- “ Businesses need digitally skilled people. We are building the **digital capability and confidence** of all STEM teachers, and improving the digital skills of their learners. We are working with strategic partners to create a rich pathway for all young people to make the most of their digital superpowers. ”



Dave Gibbs,
Education Strategy Lead,
STEM Learning

Thanks to partners

This is my opportunity to say a personal thank you to everyone who helps make our work possible. As we face up to the challenges of the future, I feel confident seeing the growing number of partners who recognise the impact they can have by working with STEM Learning. As you can see from these pages, STEM is all around us; every employer in the modern world is a STEM employer, and we all have a responsibility to ensure the future of STEM education in this country. Thank you all for your support so far, and I look forward to another year of successes.



Yvonne Baker OBE,
Chief Executive, STEM Learning

Yvonne Baker



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“ UKRI is proud to support STEM Learning and the STEM Ambassador programme. By sharing their skills, passion and career pathways, STEM Ambassadors can help all young people explore the relevance of STEM throughout their lives and whether a career in STEM could be for them. ”



Marianne Shelton,
STEM Inspiration
Lead, UKRI

“ The ERA Foundation is proud to support STEM Learning. Our partnership will reach thousands of young people across the UK, and we're confident of a great return on investment for us and benefiting the electech sector more broadly. ”

Championing innovative ideas across their unrivalled network, STEM Learning is the clear choice to plan and deliver this programme. ”



Andrew Everett,
CEO,
ERA Foundation

Benefit your business by helping young people succeed in STEM

£100,000 helps over 20,000 young people from disadvantaged schools receive better teaching and succeed in STEM careers.

£25,000 sponsors an ENTHUSE Partnership for two years, reaching 6,400 young people and impacting a whole community.

£12,500 funds a summer camp in a school, providing intensive STEM support to the young people who need it most.

Discover more at stem.org.uk or email employer@stem.org.uk



STEM Learning Limited, Company number 05081097

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www.stem.org.uk employer@stem.org.uk [@STEMLearningUK](https://twitter.com/STEMLearningUK)

ENTHUSE Charitable Trust, Charity number 1126965