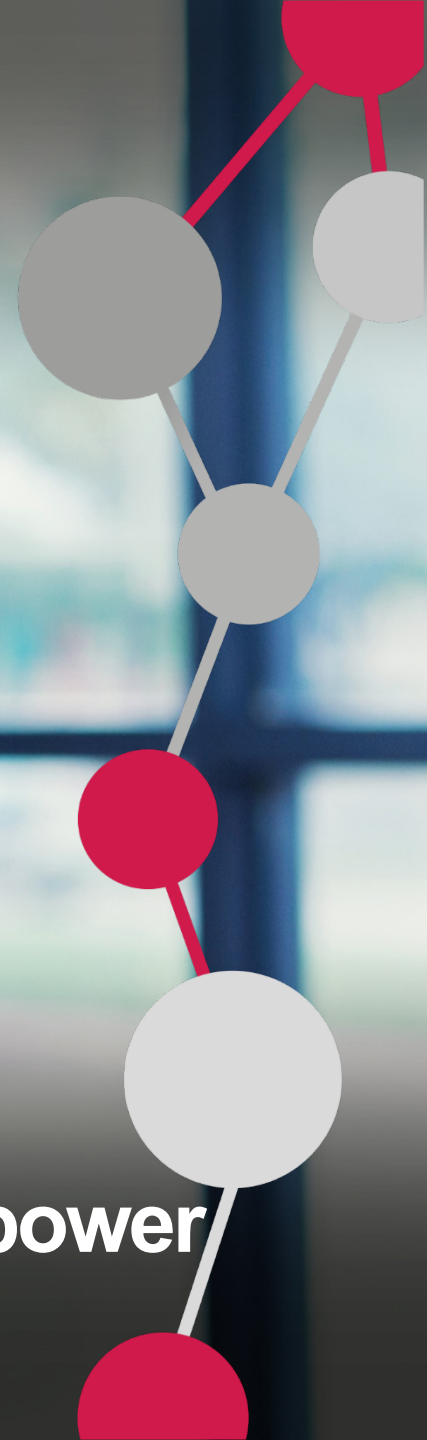




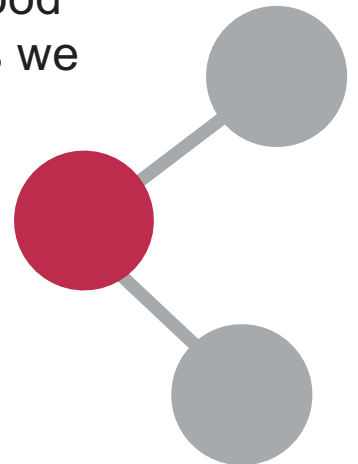
Science education: Supporting the UK as a science superpower



Education to support our ambition

We need a world-leading science education for every young person, whatever their background, wherever their destination

- **Economic benefit:** draw on potential of all young people, opening up the opportunities for all to benefit from / contribute to UK R&D
- **Closing the gap** –“taking more science courses benefits disadvantaged students even more than it does their more advantaged peers” (OECD)
- **Wider benefits of scientific literacy** - helps people make good choices for themselves and their families ...and for the UK as we decide how to govern new technologies





Investing in teachers

What works – evidence on teacher CPD

CPD improves achievement and progression

- **Primary schools** improve pupil science knowledge 50% faster
- **GCSE:** schools double the rate of progress
 - over 10% increase in pupils getting 2 good science GCSEs
 - 2018/19 16,000 additional students achieved this benchmark
- **A levels:** entries for STEM increased 8.5% over last 3 years
 - 80% entries from schools using teacher CPD

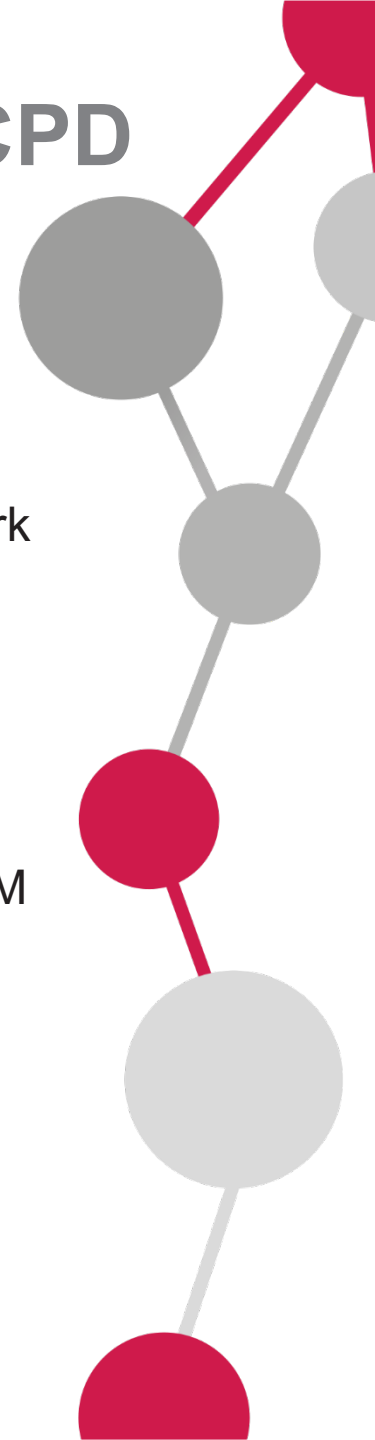
CPD helps teachers inspire young people, surveys show:

- more girls and boys aspire towards STEM careers
- consider themselves “the kind of person who could have a STEM career”

CPD pays for itself: experienced teachers continue teaching, reducing the need to train replacements

In the past 3 years:

- STEM Learning CPD supported over 2,500 teachers to stay in teaching – saving £58m on training replacements
- A return of over 150% on £23m Government funding





STEM Learning and Teacher CPD



Students achieve more



Our support reached **350,000** GCSE students in 2018/19 – **increasing student engagement, aspiration and attainment**, helping an additional 16,000 young people achieve two good science GCSEs.

We are the largest provider of STEM education and careers support across the UK.

Tackling disadvantage

We run Project ENTHUSE, funded through a charitable trust **supporting those who need it most** so that every young person has access to world-leading STEM education.

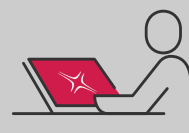


Employers and STEM Ambassadors



Our network of **33,000** STEM Ambassadors volunteer over 640,000 hours a year – so we can help employers connect with young people through outreach and partnerships with schools and colleges.

Online resources



We host over **14,000** free STEM resources for teachers and schools, with over a million downloads each year.

Investing in education



We are a not-for-profit organisation funded by government, charities and businesses – **investing all our income into improving STEM education.**

Every school in the UK

We connect with over **230,000** teachers, **reaching every primary and secondary school**, and post-16/FE college in the UK.



Better teaching



We deliver over **50,000** days of continuing professional development (CPD) a year – **improving teaching and tackling shortages** by encouraging teachers to stay in teaching.

Collaboration and partnering is central to STEM Learning's approach.
Our partners and supporters include:



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STEM Learning Limited, Company number 05081097

Project ENTHUSE, Charity number 1126965