Employers, government and charities

Who we work with

Informal educators and leaders of community and voluntary groups

School, college and university staff

Young people

STEM Ambassadors

What we facilitate

Outcomes

Improvements for teachers, support staff and informal educators in their:

- STEM subject and pedagogical understanding
- confidence, motivation and enthusiasm for STEM subjects
- competence and quality of leading, teaching or supporting STEM subjects
- understanding how to contextualise the curriculum with cutting-edge STEM knowledge, employability skills and STEM-related careers information
- retention and career progression

Increasing STEM Ambassadors’:

- professionalism, communication, team working, organisational, mentoring, leadership, delegating and relationship management skills
- understanding of education and how to inspire young people in STEM
- retention in a STEM-based career

Helping employers to:

- develop an enthusiastic, motivated and skilled STEM-based workforce
- access an increasingly competent pool of young people with employability and STEM skills with the potential to become future employees
- better inform young people and parents about STEM career pathways and the employment opportunities available with STEM employers

Increasing young people’s:

- engagement, interest, enjoyment and achievement in STEM subjects
- development of employability and practical skills
- post-16 pursuit of STEM subjects and progression into STEM-related study and careers

Vision

A world-leading STEM education for all young people across the UK

STEM inspiration activities and CPD for staff

- face-to-face and online CPD
- study visits and placements with R&D institutions, employers and academia
- school based support
- mentoring & coaching
- networking

Resource engagement

- physical and online curated resources focussed on STEM subjects
- cutting-edge research collections
- STEM careers information and curriculum guidance

STEM enrichment and engagement activities for young people and families

- practical activities, technical advice
- STEM-based competitions and challenges
- extra-curricular STEM Clubs
- information, advice and guidance on routes into STEM careers and pathways

Network of STEM experts: STEM Ambassador Hubs, Science Learning Partnerships, partners in Scotland, Wales and Northern Ireland, employers and supporters