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**

**Who we work with**
- School, college and university staff
- Young people
- Informal educators and leaders of community and voluntary groups
- STEM Ambassadors
- Employers, government and charities

**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**
To achieve a world-leading STEM education for all young people across the UK

**What we facilitate**

**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
- work experience, mentoring or placements with STEM employers

**Network of STEM experts: STEM Ambassador Hubs, Science Learning Partnerships, partners in SWANI, employers and supporters**