



STELLAR
Science Learning Partnership
for Leicester, Leicestershire and North Northamptonshire



The Universal Offer- summary

Network programme (delivered by Science Learning Partnerships)

The Government is committed to make Britain the best country in the world to study STEM subjects in primary, secondary and further education so Britain can grow scientifically and technologically.

High-quality teaching is critical to achieving this. The overall aim of this work is to improve the standard of science teaching in primary and secondary schools and FE colleges through the national network of Science Learning Partnerships (SLPs), which bring together local expertise in teaching in science, facilitate excellent CPD and provide bespoke school-to-school support. Access to high-quality, locally based CPD, access to professional development materials, National STEM Learning Centre subject experts, STEM Ambassadors and links into national bodies including the scientific societies, STEM employers and professional institutions.

The SLP offer encompasses a number of forms of delivery to maximise access – including: face-to-face CPD; networks of excellence; online engagement, including webinars; and in school support.

All units delivered, all schools engaged, and all teachers engaged count to SLP targets.

ENTHUSE Partnerships

The ENTHUSE Partnership Award is intended to:

- Use continuing professional development to improve teachers' subject and pedagogical knowledge to raise achievement in science and other STEM subjects, and close the attainment gap between underperforming groups of students.
- Help schools/colleges to address local underachievement in STEM subjects by working together to improve teaching and learning through effective CPD including developing and sharing good practice.
- Support collaborative activities over two years to develop and strengthen local.

The ENTHUSE Partnership award is a grant of £12,000 for groups of schools/colleges wishing to work together to address local issues of underachievement in science/STEM subjects.

ENTHUSE Partnerships Awards are made to groups of between four and eight schools/colleges wishing to work together to address local issues of underachievement in science/STEM subjects over a 2 year period.

Enthuse partnerships should aim to become sustainable and continue independently.

The action plans may lead to attendance on local CPD arranged by SLPs

It is envisaged that in future the projects funded will utilise either SLPs as delivery consultants or consultants with recent and relevant school based exposure. This will be specified in the action plans.

These awards are allocated in tranches depending on availability of funds so are not available on an ongoing basis.

Intensive ENTHUSE Awards

The aim of this Award is to help schools/colleges to raise pupil achievement in science through science-specific CPD for teachers of science and associated and support staff. Intensive ENTHUSE Awards of up to £5,000 are available to schools and FE colleges that have not previously engaged with the National STEM Learning Centre for support in professional development. It is awarded to individual schools where data analysis has identified an area for development within the science teaching and learning in their school.

The funding allows schools to utilise the subject specific support of their local SLP and other appropriate experts. Alongside this the schools also have to take advantage of the high impact residential CPD available at the National STEM Learning Centre for at least one identified member of staff. Participating schools should be using the support of their local SLP which may include attendance on local CPD activities. This must be detailed in the action plans.

Successful applicants will be provided with a staggered payment of the award, paid on completion of certain milestones in an approved action plan and production of sufficient reporting and evidence of impact.

This bursary can only be used to support subject-specific CPD in STEM through consultant led support for up to one day of support per week over a twelve week period – ideally consecutive but spanning no longer than 6 months. In addition it also needs to include attendance at sustained CPD held at the National STEM Learning Centre within 12 months of the award being approved.

The bursary is used to fund the support and is not paid directly to the school. SLPs invoice STEM Learning for consultancy work

Consultants must be registered with STEM Learning Ltd, but can be selected by the school or college.

Primary Priority

An opportunity to proactively engage those primary schools identified as needing additional support, such as those with weak progress in primary science (targeted CPD). These will focus on the needs of the primary schools allowing access to CPD at a highly subsidised rates through bursaries.

Key priorities for support will be science leadership, assessment and practical work for example:

- Developing the role of science subject leadership
- Assessing progress in primary science
- Improving skills in working scientifically.

Science Mark

www.stem.org.uk/science-mark

Science Mark is a new quality standard designed to recognise and celebrate good, excellent and outstanding practice in secondary science departments across the UK.

By working with our carefully selected assessors you will push the standards of your own department. Your assessor is an independent 'critical friend' who will draw on their wealth of experience in the field to help you see in greater detail the strengths and weaknesses of your science department.

Why should I take part?

- Receive at least a day and a half of support from an external expert.
- Be recognised for excellence in your science department.
- Celebrate engaging, stimulating and inspiring lessons for students.
- Help raise the profile of science across your school.

STEM Ambassador Programme

www.stem.org.uk/stem-ambassadors

The STEM Ambassadors programme enables schools, colleges, teachers and others to call on free support from over 30,000 volunteers with Science, Technology, Engineering or Mathematics (STEM) backgrounds to help enrich the curriculum and raise young people's awareness of the breadth and depth of opportunities to which STEM study can lead. STEM Ambassadors can bring a wealth of research and industry-based knowledge to teachers and students.

STEM Ambassadors can be used in the secondary programme in similar ways to those in which RCUK researchers are used in Cutting Edge Science support. This can enable teachers to put a standard practical into a STEM context in the classroom, which can then inspire and enthuse both teachers and their students.

Teachers can also be inspired by STEM Ambassadors through their explaining current applications of STEM research and industry and helping to link this to the curriculum.

STEM Ambassadors can be used successfully in **primary schools**, where the curriculum is often arranged in themes rather than subjects. A number of CPD activities from the primary programme could be quickly adapted to utilise the experience of a STEM Ambassador—bringing 'real-world STEM' into the classroom, making the subjects more relevant to students and linking into longer-term cross-curricular projects.

STEM Insight

www.stem.org.uk/stem-insight

The STEM Insight programme offers staff in schools and colleges a unique chance to experience STEM-related work in industrial or university settings. Teachers can participate in a placement with either an employer or a university, be supported through face-to-face and online CPD, and learn more about diverse career paths and opportunities for students.

Participants receive generous financial support to cover the cost of participating in the programme from Project ENTHUSE. Additional support opportunities to offer schools and teachers.

STEM Inspiration Awards

www.stem.org.uk/stem-inspiration-awards

The STEM Inspiration Awards recognise the UK's most dedicated and inspirational people motivating young people in science, technology, engineering and mathematics.

STEM Educators

www.stem.org.uk/stem-educators

Designed to recognise the impact of professional development on teachers, their colleagues and students, STEM Educators is an opportunity to achieve professional recognition.

The Teacher and Support Staff Recognition Scheme is free to participate in and will help teachers demonstrate the impact of their professional learning on themselves and their students through participation in STEM Learning and other professional development.

Open to teachers and support staff working across the STEM subjects within any UK school or college on three levels:

Effective STEM Teacher or Support staff

Leading STEM Teacher or Support staff

National Expert

CPD Quality Mark

Our vision for the Network by 2019 is that “all individuals and organisations providing CPD on behalf of SLPs, including teacher presenters, undertake appropriate training and maintain their own CPD. Expert consultants are selected on pedagogical and subject knowledge. All presenters and facilitators receive regular feedback and are expected to hold STEM Learning’s Quality Mark”.

As part of this, the facilitator development programme has been created to train and mentor suitable candidates for engagement in delivery. Participants on activities will receive CPD from highly skilled, trained and quality assured teacher and technician CPD deliverers.

SLPs should identify suitable individuals from their own pool of facilitators to be nominated for the Lead Facilitator Development stage.

ENTHUSE Awards

ENTHUSE Awards are provided by Project ENTHUSE which is a unique partnership of government, charities and employers that have come together to bring about inspirational STEM teaching through the professional development of teachers, technicians and support staff across the UK. **Awards are available to support CPD activities for any state-funded school / college. Any organisation can apply and the bursary is paid on completion of the Impact toolkit.**

ENTHUSE Awards contribute towards the costs of attending world-class professional development provided by the National STEM Learning Centre for all UK state funded schools and colleges. These CPD are typically run at the National STEM Centre in York and are residential CPD.

SLPs can request to run these CPD on a regional basis if there is a local need for a particular course.

RCUK, Bringing Cutting Edge Research into the Classroom

www.stem.org.uk/research-councils-uk

The 2015-18 Cutting Edge Research programme aims to enable teachers to inspire their students and students at ages 14-19, through learning about advances in scientific research and improving their knowledge and understanding of the science concepts underlying the research. The suite of RCUK CPD activities include the Cutting Edge Research suite and STEM Study Visits. They provide participants with the most up-to-date research which can then be taken back to inspire students.