Using student ambassadors and HEIs to support local secondary Science & Engineering clubs with a view to help widen participation in the regional Big Bang Fairs in London and the South East of England

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Abstract

Utilising the successful delivery model piloted within the London Engineering Project, 7 Higher Education Institutions (HEIs) delivered a series of engineering focused STEM/Science Clubs throughout the London and South East region. Academic and Outreach staff were trained upon the LEP approach and subsequently enabled to instigate their own outreach projects within their university. Teachers were introduced to these clubs within ‘Twilight’ sessions at which they also met prospective student ambassadors and HEI outreach staff. Student ambassadors ran a series of clubs within schools and pupils were encouraged to submit their work to local and national competitions and events such as Solar Car Challenge and Big Bang Fairs.

Keywords: London Engineering Project, STEM, Science Clubs, Outreach, Twilight sessions, student ambassador, solar car challenge, Big Bang Fair

This work is in progress and a full case study will be available soon.