

Space for All 2012-13: Projects Funded

Total amount granting: £36,696

Project: Space Olympics

Organisation: Robert Smyth Academy

Amount granted: £500

Two days of competitive space themed physics activities for Year 8 students from feeder schools run by the leading space education school, Robert Smyth Academy. Physics Olympics resources with a space context will be developed for Ogden partnership funded researchers.

Project: The Astrobiology Summer Academy

Organisation: UK Centre for Astrobiology, University of Edinburgh

Amount granted: £3,500

A one-week multi-disciplinary summer school ran at University of Edinburgh by the UK Centre for Astrobiology, for pupils between the age of 16 and 18. This will act as a pilot scheme for a national Astrobiology Summer Academy.

Project: School Space Academy

Organisation: The Radcliffe School, Milton Keynes

Amount granted: £379

This grant will fund the completion of a school project for schoolchildren to produce initial 'Phase A' designs for space missions of their choosing; a visit for participating students to the National Space Centre in Leicester where they will present their designs to space industry professionals.

Project: Global Navigation Satellite Systems – It's all about SatNav

Organisation: The University of Nottingham

Amount granted: £2,500

This activity will introduce school children to the range of applications that use Global Navigation Satellite Systems (GNSS), in particular Galileo. The main activity will be an adaptation of geocaching, with each cache involving a challenge related to timing, positioning, tracking and navigation. In addition, and in conjunction with the National Science Learning Centres, the activities will provide teachers' Continuing Professional Development (CPD) in the use of GNSS in the science classroom.

Project: Keeping Cool in Space

Organisation: Royal Observatory Edinburgh Visitor Centre

Amount granted: £4,000

Cryogenics is a fundamental engineering challenge faced by UK engineers and scientists working on space telescopes. With the extreme temperatures of space, the telescope itself needs to be kept cool, but equally, the inner workings of the instruments require cooling and different parts kept at different temperatures. ROE, STFC will develop resources and approaches that exploit this hugely inspirational context to engage audiences with the UK's involvement with major space telescopes.

Project: Harnessing the expertise of retired ESA staff

Organisation: ARES-UK

Amount granted: £2,500

This project will collate and where necessary create resources to be trialled and delivered to schools by seven former UK-ESA staff members. These former ESA employees will become part of the ESERO-UK Space Ambassador network, and be trained to work effectively in schools. They will also apply to be STEM Ambassadors (the national scheme run by STEMNET).

Project: Space: Fact and Fiction

Organisation: Vivacity Culture and Peterborough Museum

Amount granted: £3,500

This project will create an informative yet family-friendly introduction to space and exploration through a major exhibition and related events at Peterborough Museum. Linking popularity of science fiction to science fact the project will be busting myths as well as showcasing the UK's role in our understanding of space - introducing the world to science fiction and its active and leading role in modern space exploration.

Project: Mars in a Box

Organisation: University of Leicester / University of Bristol

Amount granted: £2,470

A workshop and portable exhibit using the exciting context of Mars to explore cross-subject themes in physics, maths, engineering and geology. Students will be able to explore the principles of engineering, physics and robotics behind historical and current Mars exploration instrumentation - including UK involvement in the upcoming ESA ExoMars mission. Analysis of current NASA Curiosity rover images will allow students themselves to unlock secrets about the Mars surface.

Project: Multi Media Space

Organisation: Eastlea Community School

Amount granted: £2,000

Students aged 13-16 from Eastlea Community School and other schools in Newham will work with female scientists from University of Cambridge and University College London on an interactive magazine about the Sun. A feature of the magazine will be on the contribution of female scientists, science communicators, mathematicians, and engineers to the growing space sector in the UK.

Project: "Kids in Space" schools tour of disadvantaged communities

Organisation: Spacefund

Amount granted: £4,875

Award-winning science theatre group Spacefund aim to deliver a 15-show tour of the "Kids In Space Science Show" to Primary Schools within communities that suffer from extreme financial and social deprivation in Margate, Dover and Folkestone; educating, enthusing and inspiring them in the exciting field of space science.

Project: Launching an extra-curricular Astronomy Club

Organisation: Wirral Grammar School for Girls

Amount granted: £1,572

An extra-curricular astronomy club within a school to enthuse and engage learners with Space. The first project to launch the club will be 'Project Stratosphere'; sending a camera into the stratosphere to take pictures from the edge of space.

Project: UKSEDS Publicity and Outreach

Organisation: UKSEDS (UK Students for the Exploration and the Development of Space)

Amount granted: £900

This grant will fund active participation in 5 outreach events in parts of the UK underserved by space organisations, including space-related talks at schools and public events. and hands on activities such as bottle-rocket launches. In addition the grant will fund the production of leaflets and posters to be distributed and displayed in school, universities and at public events.

Project: Space Boffins Podcast

Organisation: Boffin Media

Amount granted: £3,000

This grant will continue to support the production of the award-winning Space Boffins podcast, which covers space from a UK and European perspective.

Project: MARSBalloon 1&2

Organisation: Systems Engineering & Assessment (SEA) Ltd

Amount granted: £5,000

This project will take 200 student technology demonstration and science experiments up to the 'Mars like' environment at 30km above the Earth's surface aboard two high altitude balloons. The primary, secondary and university students involved will meet space engineers and learn about Mars, Tech Demo missions, the UK Space Agency and space industry careers.