

# Space for All 2014-15: Projects Funded

**Total amount granting:** £49,327.45

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**Project:** Space School UK

**Organisation:** University of Leicester

**Amount granted:** £5,000

Space School UK provides intensive, week-long, residential summer schools during July and August, each for nominally 60 students in the age groups 13-15 and 16-18, focussed on the challenge and appeal of current and future Space Programmes.

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**Project:** Space for All Zone

**Organisation:** Gallomanor Communications Ltd

**Amount granted:** £4,120

The Space for All Zone is a collection of 5 engineers and 350 school students, who talk online for 2 weeks in June 2015 at <http://imanengineer.org.uk>. It's an X Factor-style competition where students are the judges. Students ask the engineers questions about the UK space industry and engineering in general, have live text chats with them and vote for one engineer to win £500 for further engagement work.

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**Project:** Picture This: Watching the Earth from Space

**Organisation:** The Nottingham Geospatial Institute, University of Nottingham

**Amount granted:** £3,500

Earth observation satellites are increasing our understanding of our planet and on-line services such as Google Earth allow us to visit any part of the world at the click of a mouse, yet few people understand the potential of Earth observation data or how they are acquired. This programme introduces the concepts of the electromagnetic spectrum and how light is turned into numbers which are transformed into colours and pictures.

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**Project:** Satellite Groundstation at The Heathland School

**Organisation:** The Heathland School

**Amount granted:** £567.45

The installation of a permanent satellite groundstation which will be used to enhance the teaching of space topics and as a resource for extra-curricular

studies. We hope to receive data from the UKube and FUNCube satellites which pass over the school three times each day during lessons. Students will download and analyse live data from satellites and visualise their applications.

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**Project:** 3D Space

**Organisation:** Faulkes Telescope

**Amount granted:** £4,800

We will use a state-of-the-art 3D projection system to run workshops about living in space and exploring the solar system. These workshops will target schools and community groups in areas of social and economic deprivation and geographical isolation. They will be supplemented by Mission X activities, rocket making and other hands-on and interactive sessions, providing a series of space-related workshops designed to inspire and educate a wide range of audiences.

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**Project:** UKSEDS National Space Outreach Programme

**Organisation:** UKSEDS

**Amount granted:** £2,500

This year's application for UKSEDS is intended to build on the success and resources acquired in previous years, delivering more events and more captivating activities through engagement with schools, and extra-curricular events across the UK. These events are run by student volunteers, who give their time to promote STEM and space education to the UK public.

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**Project:** Classroom Rocket Scientists

**Organisation:** School of Physics and Astronomy, Cardiff University

**Amount granted:** £4,200

A web-based application which will allow primary and lower-secondary aged students to design their own satellite and launch vehicle, demonstrating the range of purposes of satellites, the range of launch vehicles, and the technological challenges associated with launching them.

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**Project:** Life on Mars?

**Organisation:** The University of Central Lancashire

**Amount granted:** £4,450

We will deliver workshops relating to the ExoMars project with young people aged between 11-14 years, which aim to inspire engagement with physics and

careers in astrophysics. Using a model of the Mars landscape and robots, participants will learn about computer-programming and astrobiology. Participants will work in groups to program their robots and search for signs of life. We will focus on technology in the mission developed in the UK.

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**Project:** Cosmos Space Probe Design Challenge

**Organisation:** Cosmos Planetarium

**Amount granted:** £4,690

An out of this world experience looking at the UK's involvement in the Gaia & Rosetta missions inside our amazing totally immersive 6m digital planetarium. Learn all the skills needed to design your very own space probe, launch rockets and take part in your very own space race with other schools, including the chance to enter your designs into a competition, with the winning design being 3D printed!

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**Project:** ForestHAB

**Organisation:** The Forest School

**Amount granted:** £500.00

ForestHAB is a High Altitude Balloon project to let pupils explore the edge of space in a fun, engaging manner.

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**Project:** Making Space For Me

**Organisation:** The Ideas Foundation

**Amount granted:** £5,000

Young people will work alongside space scientists, careers advisers and digital media experts to create films and fliers promoting careers in space science. Materials will be available to careers advisers via the Career Development Institute and to teachers via the University of Manchester's primary science network, ESERO and also promoted via science festivals and careers events. The work and briefs will be available for other schools to use on [www.iamcreative.org.uk](http://www.iamcreative.org.uk).

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**Project:** The Team Tim Tour

**Organisation:** Spacefund

**Amount granted:** £5,000

The 'Team Tim' Tour aims to educate and inspire a new generation of children and their families to take an interest in STEM with a fantastic space-themed

interactive show, typically centred around the first British ESA astronaut Tim Peake. Visiting 40 Primary schools in the South East, we aim to reach 6000 children, teachers and families. Team Tim celebrates the future 2015 mission of British Astronaut Tim Peake to the International Space Station. With live performance, animation and lots of audience interaction, Team Tim is designed to deliver good science and to fire children's imaginations.

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**Project:** Sunny Spells and Solar Storms: Understanding Space Weather with LUCID

**Organisation:** The Langton Star Centre

**Amount granted:** £5,000

The weather has a huge impact on our lives, influencing everything from the clothes we wear to the economy. But what about space weather? The growth of our space industry means we'll need to know about solar winds, coronal mass ejections and the Northern Lights. This project will create materials for primary schools and families to expand the reach of LUCID, a recently launched space weather research facility for schools.

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