



## Mars Safari

### Mars Safari Information

Mars Safari is an exciting project funded by the Royal Academy of Engineering that aims to inspire girls through engineering and science. We are looking for a team of STEM Ambassadors with an engineering background to work with Girlguide units in East Kent who are keen to share their skills, passion and expertise with girls.

With the engineer's help the Girlguides in teams of 4-6, will build and test their own Mars Rovers from a basic kit. The girls will also be working towards the Mars Safari Girlguiding badge which requires them (as well as other things) to find out what it is like to be an engineer.

On June 29<sup>th</sup> or 30<sup>th</sup> the girls will bring their completed Mars Rovers to the Mars Safari Challenge Day where they will take them across an exciting Mars Safari Challenge course representing the surface of 'Mars' (Canterbury Christ Church University grounds). On the journey they will visit a number of interesting places such as Olympus Mons and asteroid impact craters. At various stations their rovers will be required to perform tasks: drill for a soil sample, light up the dark, Mars quake detection with a seismometer, use a solar panel, and pick up and bring home a Martian rock - learning about STEM through practical and fun experiments.

### Engineer Information

As a Mars Safari engineer you will be invited to attend one of two training sessions. Here you will learn about the project and learn ways to work with girls and young people. You will then be linked with a Girlguiding Unit local to you. A mutually convenient time will be arranged for you to visit the girls to assist with their Mars Rovers and Mars Safari Badge. The minimum time requirement for the Girlguiding visit is one evening (usually about 1.5 hours) but we encourage you to visit on more than one occasion and/or assist with additional Girlguiding units if possible. You are also invited to attend the Mars Safari Challenge days on the 29<sup>th</sup> and 30<sup>th</sup> June where you will be able to see the Mars Rovers in action!

### Who we are looking for:

- Engineers from all different types of engineering backgrounds.
- Engineers who are keen to work with and inspire girls and young people with engineering (no previous experience required).

### As a Mars Safari Engineer you will receive:

- A free evening training session on working with girls and some background information to the Mars Safari project
- Free registration as a STEM Ambassador (if not registered already)
- A free DBS
- Free Public Liability insurance
- A special certificate of participation from the Royal Academy of Engineering
- All materials required for building the Mars Rovers
- An exclusive Mars Safari Girlguiding Badge



## Mars Safari Training

You are invited to attend **one** of two Mars Safari training sessions:

12<sup>th</sup> February 2019 at Canterbury Christ Church University (Medway Campus ME44UF)  
18.00 – 20.00

or

26<sup>th</sup> February 2019 at Canterbury Christ Church University (Canterbury Campus CT11QU)  
18.00 – 20.00

At the training you will:

- Learn about ways of working with girls and young people.
- Learn more about the Mars Safari project and current UK engineering projects, which are keystones of the European Space Agency's exploration of Mars; NOMAD, InSight and ExoMars.
- Build your own Mars Rover.
- Learn about the Mars Safari Girlguiding badge.
- Meet other like-minded engineers who are working on the project.

To book your place on a Mars Safari engineer training session please click on the link on this webpage:

<http://spacefund.co.uk/about-us/projects/>

