



**The Queen's Award
for Voluntary Service**

The MBE for volunteer groups



SI Bournemouth STEM Challenge for Girls in Years 8 and 9 2018-19

Why this challenge?

It is nationally and internationally recognized that there is a shortage of girls choosing STEM subjects as degrees, and a growing body of evidence about barriers to subsequent careers. We have created this challenge to inspire girls and encourage them to overcome these barriers.

**We challenge you to create a solution to help
people in the poorest parts of our world.**

Criteria:

Your idea and design needs to be:

- Sustainable – energy and materials affordable with minimal impact upon the environment
- Fit for its intended purpose

You will need to think about:

- What problem your solution is going to help overcome?
- Who is going to benefit from your solution?
- How and where it is to be used?
- How many people is it going to help?

Teams:

- Up to 5 girls in a team
- Schools may enter as many teams as would like to participate

Required elements:

- The design brief outlining the perceived need
- Evidence of research into possible solutions
- A plan of the final project
- A demonstration model to support the plan with some indication of how it should be scaled up for its intended purpose
- Demonstrate **all** elements of STEM

Judging events

Judging will be based on the process of the project rather than the accuracy of the final demonstration model and detailed judging criteria will be provided on entry.

The proposed challenge timetable:

- Start - October 2018
- Submission of completed project - Tuesday 26 February 2019
- Heat 1 – Monday 11 March 2019
- Heat 2 – Tuesday 12 March 2019
- Heat 3 – Wednesday 13 March 2019
- Heat 4 – Thursday 14 March 2019
- Finals and prize giving evening - Thursday 21 March 2019

All events will take place at Bournemouth University, Talbot Campus

Soroptimist International: www.soroptimistinternational.org

The project is in line with Soroptimist values:

- Human rights for all
- Global peace and international goodwill
- Advancing women's potential
- Integrity and democratic decision making
- Volunteering, diversity and friendship

Email: stemsibournemouth@gmail.com

June 2018

Document 02

**Women inspiring action,
transforming lives**