The Weston-Smith Physical Sciences Prize 2016-17

The Weston-Smith Physical Science Prize is open to all girls currently in Year 12 (Lower Sixth) at a UK school. The prize may be of particular interest to those studying Biology, Chemistry, Physics, Mathematics or Geography but we welcome entries from interested students studying any combination of subjects.

Entrants are invited to submit a response to any one of the questions overleaf. Submissions should comply with the following:

- 4-6 A4 sides maximum including all figures, diagrams, tables and bibliography
- 12 point font minimum
- 2 cm margins minimum
- 2500 words max.

All sources must be appropriately acknowledged and cited, and a bibliography, including websites consulted, should be included. Up to five entries may be submitted per school.

There are many angles from which to approach each topic. Good submissions will present a clear argument, be well illustrated where appropriate, and give specific examples or cases where possible.

Each of the Newnham Essay Prizes has a first prize of £400, a second prize of £200, and third prize of £100. This prize has kindly been sponsored by a Newnham alumna, scientist and author, Meg Weston-Smith.

Entrants should upload their submissions to the webform, found here: http://www.newn.cam.ac.uk/admissions/undergraduates/newnham-essay-prizes/

The cover sheet should also be uploaded to this webform. Please ensure that a school/college representative has completed the appropriate section. Entries will not be valid without this information.

The deadline for receipt is 12pm on Friday 3rd March 2017. For any queries not answered here, please contact Sophie Parry (Schools Liaison Officer) by email at slo@newn.cam.ac.uk or by telephone on 01223 330471.
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Questions

1. How can we minimise the risks from earthquakes and volcanoes?

2. ‘Symmetry and the laws of nature’.

3. Chemical reactions for making antibodies: What does the future hold?