



24 October 2011

## 2012 British Physics Olympiad – Round 1

Dear Colleague,

Thank you for entering your students into the competition, *Section 1* and *Section 2* of *Round 1* are enclosed.

Please take note of the instructions printed below.

### Sittings

*Section 1* and *Section 2* of *Round 1* may be sat in one session of three hours. Alternatively, the paper may be sat in two sessions, 1 hour 15 minutes for *Section 1* and 1 hour 45 minutes for *Section 2*. If the paper is taken in two sessions, students should not receive *Section 2* until the start of the second session, and should not be allowed to return to their answers to *Section 1*.

The paper is scheduled for **Friday 11<sup>th</sup> November 2011**. If this is not convenient, the paper may be sat at any point during that week. If papers are taken early, please do not allow candidates to take the question papers away with them.

### Question answers

Answers can be written on loose paper or examination booklets. Graph paper and a formula sheet should be made available. Calculators are allowed. Students should ensure their name and school is clearly written on their answer sheets.

### Section 1

Questions: Any or all parts of *Section 1* can be attempted. However students are not expected to complete all parts of *Section 1* as only 40 marks are available.

Time: It is recommended that students spend 1 hour 15 minutes on this section.

Marks: There are 76 marks available; however only a maximum total mark of 40 will be awarded. Therefore students need to plan which questions they will attempt in the time recommended.

### Section 2

Questions: Only THREE of the eight questions in *Section 2* should be attempted.

Time: It is recommended that students spend 1 hour 45 minutes on this section (approximately 30 minutes on each question with 15 minutes reading time).

Marks: The maximum mark for each of these questions is 20.

Please return the Mark Sheet and all of your students' answer papers to 'British Physics Olympiad Administrator, Clarendon Laboratory, University of Oxford, Parks Road, Oxford, OX1 3PU' for marking before **Monday 21<sup>st</sup> November 2011**.

Please also encourage your students to visit our Facebook page to leave feedback and discuss questions with other students. A link to the page is on our website [www.bpho.org.uk](http://www.bpho.org.uk).

Kind regards,

A handwritten signature in blue ink that reads "S Owen".

Dr Sian Owen

Physics Access Officer and British Physics Olympiad Administrator

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W: [www.BPhO.org.uk](http://www.BPhO.org.uk)