



UNIVERSITY OF  
BIRMINGHAM

### **Physics Big Quiz 2019**

Tuesday 22<sup>nd</sup> January 2019

- 9.45                    Arrival and Registration**
- 10.15                    Session 1**  
All teams to participate. This will be a word search round where teams will have a question to answer and then find the answer in the word search. Spot prize for the winning team. This round does not contribute to the overall marks for the quiz.
- 10.30                    Refreshment Break**  
Drinks and chocolates will be provided for all participants
- 10.45                    Session 2**  
All teams to participate. Each round to focus on a different topic in Physics
- 12.00                    Key Note Lecture: Dr Maria Pavlidou, School of Physics and Astronomy**  
**“The Antikythera Mechanism: the world’s first ever computer”**
- 12.45                    Lunch**  
**Students are requested to bring in their own packed lunch** for the day. Students will be able to eat their lunch in the Great Hall.
- 13.15                    Session 3**  
Session 3 will include the Specialist Round
- 14.15                    Prize Giving Ceremony**  
The winning team and school will be presented with a trophy which they will keep for a year. They will also be presented with a smaller trophy that they keep to commemorate their success. The top three teams will be presented with Gold, Silver and Bronze medals that will be engraved. The students from the winning team will also receive a science based prize each.
- 14.45                    Depart**

### **Additional information for schools**

Students will have a Joker that they can use at any point during the quiz, apart from the Specialist Round. All points for the round where the JOKER is used, will be doubled.

There will be a number of ‘spot prize rounds’. A team cannot win more than one spot prize round.



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### **Specialist Round – Nuclear Physics**

Students can use any GCSE book to study this topic. The specialist round will be at GCSE level.

Additional on line resources include:

Videos 127-130 from <http://www.conceptualphysics.com/121-130.html>

Videos 131-137 from <http://www.conceptualphysics.com/131-140.html>