

State School Study Day in Mathematics

St John's College
Oxford



Are you currently studying Maths at A-level (or equivalent) and interested in:

- studying Maths at a top university?
- experiencing an academic taster day at an Oxford college?
- receiving tuition from two of St John's College's maths tutors, Dr David Seifert and Dr Tom Crawford?
- receiving up-to-date advice on preparing a competitive application to a highly-selective university?
- seeing what life as an Oxford student would be like?
- meeting like-minded people from all over the country?

St John's College is excited to announce that it will be running a Mathematics Study Day for Year 12 students from state schools on Saturday 18th May 2019.

What does the day involve?

- Two academic taster sessions led by Dr David Seifert and Dr Tom Crawford.
- An introductory lecture on the how to make a competitive application to top university
- An interview workshop with a practice interview demonstration
- A Q+A session with tutors and current undergraduate students
- A tour of St John's College and the Mathematical Institute



Mathematical
Institute

Academic Taster Sessions

St John's College
Oxford



Graph theory and the game of Hex

Did you know that at any gathering there must be an even number of people (possibly zero) who have shaken hands with an odd number of people? In my talk I will explain why this is true and explore some consequences of this fact. In particular, we will see how it allows us to prove a famous result about a board game called Hex. No specific preparation is required, although it will be helpful if the participants have a rough idea of what it means to say that G is a graph with vertex set V and edge set E .

Dr David Seifert, Supernumerary Teaching Fellow in Mathematics



Maths vs. Sport

How do you take the perfect penalty kick? What is the limit of human endurance? Where is the best place in the world to attempt a world record? Maths has all of the answers, and I'll be showing you how you can use it to be better at sport (results may vary).

Dr Tom Crawford, Lecturer in Mathematics



Mathematical
Institute

Information on how to apply will be released shortly.

For more information please write to us:

access@sjc.ox.ac.uk