



State School Study Day in Mathematics Thursday 5th March 2020

10:00	Arrival and Registration	<i>St John's College Lodge</i>
10:15	Welcome Talk An introductory talk to the day, which will introduce you to the key people you will meet over the course of the day. Useful information on the application and admissions process, as well as writing an effective personal statement.	<i>Garden Quad Auditorium</i>
10:35	Lecture: Mathematics and Sport (Dr Tom Crawford) 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. This lecture will show you how you can use maths to be better at sport (results may vary).	<i>Garden Quad Auditorium</i>
11:05	Short break	
11:15	The MAT in 15 minutes (Dr James Munro) Dr Munro will run through how the mathematics admissions test works, and some thoughts about how to approach the problems to set up our workshops.	<i>Garden Quad Auditorium</i>
11:40	MAT and Interview workshops (Prof Stuart White, Dr Tom Crawford, Dr James Munro) Workshops with current mathematics tutors and undergraduates. We'll tackle some MAT problems in small groups and do a mock interview and discussion.	<i>Garden Quad Auditorium and Kendrew Café</i>
12:30	Lunch	<i>Kendrew Quad Café</i>
13:30	College tour Take a look around St John's College, one of the larger Oxford colleges which was founded in 1555 and is now home to around 400 undergraduates, 250 graduates and 100 academic staff.	
14:00	MAT and Interview workshops (Prof Stuart White, Dr Tom Crawford) Workshops with current mathematics tutors and undergraduates. We'll tackle some MAT problems in small groups and do a mock interview and discussion.	<i>Garden Quad Auditorium and Kendrew Café</i>
14:45	Walk to Maths Institute	
15:00	Tour of Maths Institute Take a look around the newly constructed Andrew Wiles Building and Mathematical Institute with the Maths tutors.	
15:30	Lecture: Using Topology to Model Tumours (Dr Bernadette Stolz-Pretzer)	<i>Maths Institute</i>
16:20	Walk to St John's	
16:30	Tea & Cake and departure Enjoy some refreshments in a relaxed setting, with time to chat with and ask any questions of the tutors or students.	<i>Kendrew Quad Café</i>