



JACK



Engineering, Maths and Physics Tutor

Education

University of Cambridge – Engineering (2017 – present)

A-levels: A*A*A*(AA) in Further Maths, Maths and Physics A-Level, with an A in Chemistry AS Level and an A in an Expected Project Qualification

Teaching Experience

I sat the first Cambridge Engineering Admissions Assessment (ENGAA) paper in 2016 and made it through the interview stage and gained acceptance to Cambridge to study Engineering. I therefore go back into my 6th form every year to help with interview prep, and also help out individuals from my high school when it comes to the whole admissions process and what the admissions officers are after (helped mainly from conversations I've had with supervisors and interviewers at Caius about the process and what they really want from a candidate). I've also tutored multiple students directly over the past 2 years through the admissions process; helping with Personal Statements, ENGAA preparation and interview preparation

Testimonials

“Jack has been super helpful in preparing my daughter for her Cambridge application.”
(Mother of Cambridge Engineering applicant, 2019)

Engineering Tuition Approach

For the first lesson, I discuss and answer any questions about the (often confusing) Oxbridge Engineering Application process, and get to know the student and what they do and don't know from the admissions test specification. I then send a past paper for the student to complete, and get feedback on which questions the student can answer with ease, struggled with and what content they haven't covered from their existing education. From here, I know what content may need to be taught directly, and try to iron out any mistakes.

Once I've gone through the entire specification to make sure there's no gaps in knowledge, I concentrate on exam technique with the student, as both admissions tests are extremely time pressured. All the while I set past papers and make sure the knowledge and specifics from the admissions test continue to develop, and work through any especially tricky questions on every paper.





On invitation to interview, I will take the student through the varying style of interview questions and settings, before going through a few mock interviews.

A Level Maths and Physics Tuition Approach

With A-Level tuition, I make sure to discuss with the student exactly what areas they need help on, and take time to work with them through direct teaching from first principles (to give the student an idea of how to approach all forms of problems, as oppose to teaching just through the use of specific examples). I then work with the student through some specific examples, and then build up to the standard of exam questions. My degree has built upon all aspects of A-Level Maths and Further Maths, with Pure and Mechanics being especially strong points.

For all my tutees, I start off with a short (30 mins) introductory session, in order to define what the student needs specifically, in order for me to deliver a bespoke tutoring package.

