



JACKSON



Physics, Maths, and Engineering Tutor

Education

University of Oxford: MEng Engineering Science (2017-)

A-levels: Maths (A*), Physics (A*), Chemistry (A*), Further Maths (A*)

GCSEs: Maths (A*), Physics (A*), Chemistry (A*), Biology (A*), German (A*), French (A*), English Literature (A), English Language (A), History (A)

Teaching Experience

I have tutored over fifteen students over the course of the last four months, many of them weekly and in levels ranging from KS3 to A Level. Currently I am working with a number of students, helping them prepare for the following academic year in the absence of their exams.

Previously I tutored students in the PAT exam, helping them achieve good results as well as giving them mock interviews.

Testimonials

“He’s a very good teacher and I understand what he teaches me very well” (KS3 Maths/Physics/Chemistry student)

“Great lessons!” (A Level Physics student)

“Very clear explanations of topic and questions in depth” (A Level Maths student)

Tuition Approach

For Oxford admissions, the skill they are looking for is problem solving. That is the most important aspect of the PAT and the interview stages of the admission process. Having completed the process fairly recently and, with close relationships to current engineering tutors, I have a good grasp of how to work on that skill. As well as working on past PAT papers, there are many different problem solving questions I have access to which I will work on with the student ensuring they have a good idea of how to reach the solutions and how to apply that knowledge to future questions.





At Oxford, I receive many tutorials from the same fellows which give the admissions interviews. In interviews, the tutors want to see how well you cope in a tutorial scenario. Interview preparation therefore comes with practice interviews giving the student a problem and seeing not only how well they get to the solution but also take on tips from the interviewer.

I generally approach A Level tuition by first establishing problem areas which I will then go away and prepare a lesson on and ensure I am able to answer any questions on the topic. Having covered any of the problem areas, I then like to have a look at some practice questions which either I will come up myself or will take from past papers. The first of these might still be difficult but after guiding the student through these we'd get to a point where the student can solve the question on their own.

Gauging progress is very important with this sort of tuition and I use short practice tests to ensure the student has understood everything we have gone through so far; we then go back over any topics the student still has problems with.