

Application for Work Experience at RAL

*Required

In which areas are you most interested?

Rank in order of preference. (Please select at least two – mark as 1st, 2nd and 3rd choice)

Computing	Third Choice
Engineering	First Choice
Science – theoretical	
Science - practical	Second Choice

I have a specific interest in.....*

The research in the centre regarding the LHC detectors. Specifically, ATLAS and CMS detectors, and the structures and manufacture of these detectors. I am interested in the challenges that engineers face when constructing these detectors.

and I would particularly like to do.....*

Mechanical engineering

Why do you want to do work experience at RAL, and what do you hope to gain from your placement? * Please write at least 50 words.

I visited the Rutherford Appleton Centre as part of a school trip and was fascinated by the Diamond Light Source as this was the first time I came into contact with such a vast and complex scientific machine. This was what helped encourage my interest to pursue mechanical engineering and by completing work experience at STFC will help give me a deeper understanding about engineering to aid scientific discoveries. I hope to gain an insight into the work of an engineer and in what ways I can contribute to the field in my future aspirations.

Do you have any computer knowledge or skills that might be of use? Which software packages are you familiar with? Do you have you any programming experience?*

Taking GCSE ICT, I have experience with Microsoft Word, Excel, Access and Photoshop. For GCSE Textiles, I briefly used a CAD software to create designs.

What are your interests (both in and out of school)?*

In school, my interests surround Maths and Physics. Maths is elegant, it's in almost everything we do, but half the time we don't even think about. It's applicable in so many ways; it's the thing that connects the whole world. Physics helps us to explain the intricacies of the universe in mathematical language. Outside of school my interests involve memory training (my aim is to memorize a deck of cards on one sighting!), going to the gym and listening to jazz music.