

StudentShapers Recruitment: Calling all *UG and PGR* students with A Level/IB Physics and Chemistry expertise

‘Re:Fresher’ A Level Physics and Chemistry

Bursary:

Project duration, Mid Jan to End Aug;

FOR UG: £55 per week for term time engagement (1/2 day per week), £325 per week for vacation time engagement (full time). Approx 10 week summer project anticipated, with term-time breaks for examinations etc.

For PGR: Up to £100 per week, (approx. 5 hrs per week), subject to local department policies, and supervisor agreement.

Who should apply:

We (Drs Paul Franklyn and Priya Saravanapavan) are recruiting up to 6 UGs and 4 PGRs from across college with experience of A Level (or equivalent) Physics and Chemistry syllabi – those with tutoring experience will be ideal. The project will also benefit from programming experience (Javascript, HTML5 and Power Platform) and digital media (video animation, editing) experience.

Campus/Location: South Kensington but scope for project to be carried out remotely.

Project details:

In summer 2021, in the Department of Materials, we worked with 3 UG students to create a PowerApp based on Physics and Chemistry ‘content’ to help our incoming cohort plug in knowledge gaps they might have had due to the disruptions to their schooling. Currently, only topics related to Materials are covered with no embedded resources. There was a static resource pack that was also developed. This project seeks to improve student learning and experience by enhancing the work and extending the content to be suitable for multiple departments.

This is exciting opportunity for a UG and PGR student to play an active role as partners and aid in designing creative, interactive educational content for their peers.

Scope of the proposed project:

- Evaluate how helpful the current Re:Fresher app has been to our incoming cohort
- Embed extensive resources developed in-house rather than rely on different external resources that may not be available to all (textbooks)
- Extend this to the ‘whole’ Physics and Chemistry syllabi
- Develop highly interactive content designed to meet multiple learning styles

Reasons for wanting to develop our current ‘internal’ project:

- To benefit Imperial students from other departments across College not just Materials
- Helps refresh current students with content and support students with weaker foundations
- To encourage widening participation (WP) students to attain the best grades

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- Enable further engagement with outreach participants
- Offer lifelong learning – offer background learning for MSc/PhD students

As a student partner, you will be co-creators of the final product – we will rely on your student insight to ensure that the product matches the expectations of Imperial students, current and future. You will gain experience in educational content development, using different educational strategies for learning, storyboarding and animation and perhaps improve your programming skills.

The project will start in mid-January 2022 and has an end date of August 2022.

How to apply:

If you are interested in engaging with this project, please fill in this [MS Form](#). You may be invited to an informal interview as part of the selection process.

Deadline: 12th Jan 2022

Contact details: Priya (p.pavan@imperial.ac.uk) or Paul (p.franklyn@imperial.ac.uk)