

StudentShapers Recruitment: Calling all Materials Science and Dyson School of Design Engineering Students

Thinking Through Materials: Can Science, History and Art/Design Illuminate Each Other?

Bursary: £330 per week for summer vacation time (full-time). Duration is six weeks starting from the second week of June (start dates will be established in dialogue with recruited students). Three bursaries are available.

Who should apply: All current undergraduate Materials Science and Dyson School of Design Engineering students.

Campus/Location: South Kensington Campus, Faculty of Engineering, Department of Materials and Victoria and Albert Museum, with some online collaboration (i.e., hybrid working).

Project details:

We need your help to develop a new module that has recently been accepted in the new I-STEMM programme. 'Thinking Through Materials' is rooted in the partnership between Imperial College London and the Victoria and Albert Museum. It invites students to broaden their knowledge outside their core disciplines by bringing together perspectives and approaches from the arts, humanities, and sciences. The module will include innovative hands-on activities, to equip students with the historical, theoretical and practical 'tools' that will empower them to better understand the intertwined histories of materials science and art/design, and interpret the development and reception of materials in the past and present.

You will receive weekly support from V&A and the Department of Materials staff. You will also have access to Department of Materials labs and will work in close collaboration with postgraduate students from the Department of Materials and the V&A.

We welcome students to work in three target areas:

1. **Calibration of multidisciplinary learning resources:** multidisciplinary is built into every aspect of this module, from the teaching team to the research skills students will develop, so we want to be sure that readings, discussion topics and activities are pitched at the 'right' level. We want students to feel

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stimulated and excited by the content, not confused or overwhelmed! This will also enable the teaching team to establish an appropriate workload for the module, including pre-class preparation.

2. **Practical activities:** hands-on experimentation is at the heart of the module's exploration of material-based knowledge. StudentShapers student partners will take charge of developing innovative ideas for these activities, ensuring that briefs are clearly explained, engaging and support collaboration across disciplines.
3. **Assessment:** this is a new module, which requires students to produce a series of marked and unmarked assessments. These take the form of imaginative formats that will be less familiar to students, including a collaborative mind-mapping exercise, materials infographic, and social media campaign. StudentShapers student partners will take a leading role in the development of these creative assessments, helping to shape them in the most optimal way, from both a student's perspective and a teacher's one.

You will gain a greater understanding of the higher education environment, of the importance of multidisciplinary within the subjects you have been studying within your undergraduate modules, and the depth of connections between science, art and design. Finally, you will benefit by developing professional skills such as self-sufficiency, responsibility, project management, teamwork, communication, networking and negotiation in an authentic workplace environment at the College.

How to apply:



Applications (300-500 words) should be made via the 'Student Expression of Interest' form on the StudentShapers website ([here](#)) or accessed using the above QR code. Tell us what you can bring to the project and your interest in participating in a project that brings together approaches from the arts, humanities, and sciences. This will then be distributed directly to the appropriate staff partner. You may be invited to an informal online interview as part of the selection process in week commencing 3 May 2022.

Deadline: 6pm on Friday 22 April 2022.

Contact details: leonora.delia10@imperial.ac.uk for informal correspondence / questions related to the project.