## Assessed Self-Discovery for EDI Advocacy

Chloe Agg, Sophia Quazi, Julie Varley

Champion

### In October 2022 the Mechanical Engineering department launched a new elective module Equality Diversity and Inclusion (EDI) in Engineering.

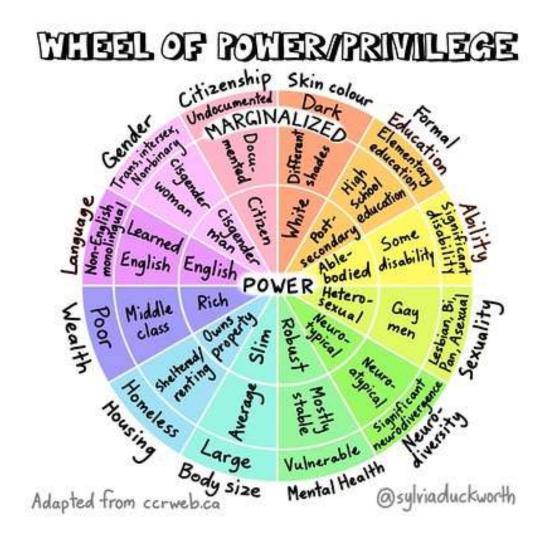


https://www.imperial.ac.uk/media/imperial-college/faculty-of-engineering/mechanicalengineering/public/EDI-in-Engineering-Module-Creation-UROP-Final-Report.pdf

### Autumn term

Students learn:

- How to use reflective and reflexive tools to consider their positionality
- About a range of EDI issues, by a diverse group of speakers from minority groups.





D&I in Eng. / Gender Dawn Bonfield Towards Vision



Neurodiversity

Sara Rankin Imperial – Medicine/NHLI



Race & Colonialism Aakeen Parikh Imperial – Mech Engineering



WP / Class Simon Foster Imperial – Physics



Uni Measures / Actions Stephen Curry

Imperial – Associate Provost EDI



Ind. Measures / Actions

Kieran Thompson Cundall



LGBTQIA+

Mark McBride Wright Equal Engineers

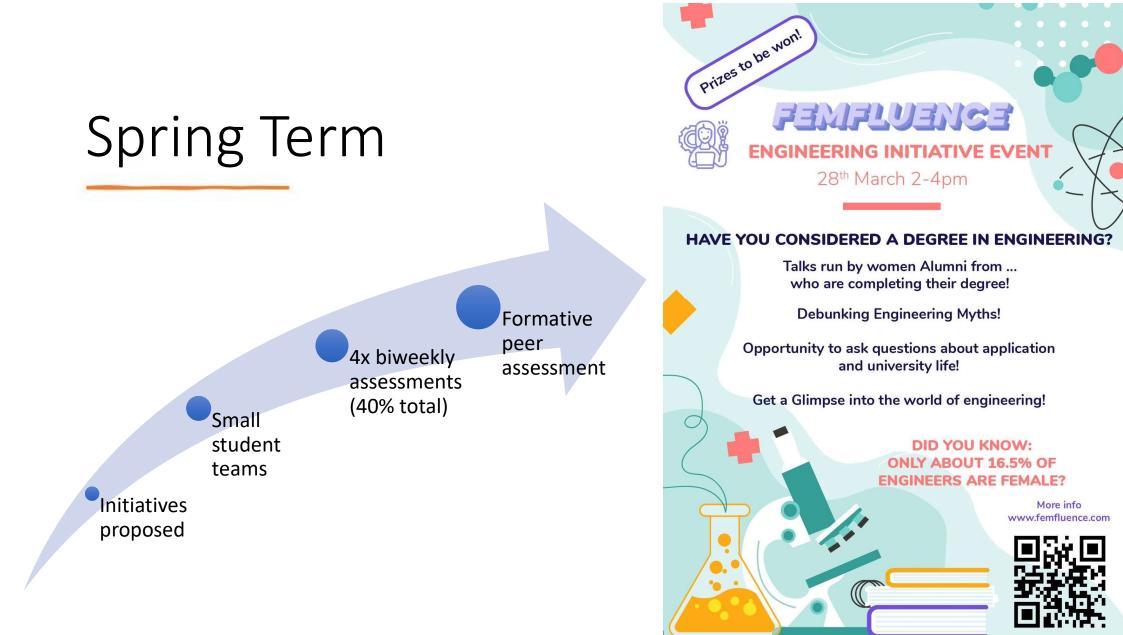


Embedding & Evaluating

Kate Ippolito Imperial – Educational Dev. Unit

### **Student Interaction**







The workshop boilersuits are an essential part of the student experience here at Imperial College.

This student-led initiative aims to tackle the issue of ill-fitting PPE and lack of inclusivity by catering to a range of body shapes, sizes, disabiliteis and cultural beliefs.

For more information, scan the QR code below or reach out to accessibleboilersuits@ic.ac.uk



### Initiatives

Class and entry to university

**Decolonising A-Level STEM** 

Gender and choosing engineering

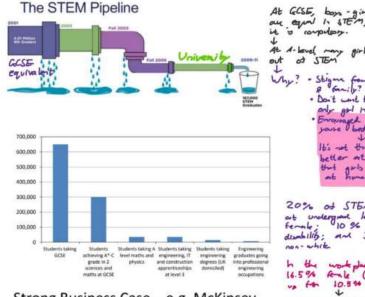
**Inclusive PPE** 

Literature Review Assessment

Neurodiversity and culture

WP transition to employment

From the very first session, it struck me that EDI measures are put in place far too late. Not only in terms o time (why is this module only happening now, for example), but in terms of education and professiona development. In school, there was never any mention of EDI, especially not within specific subject areas like STEM. In sixth form it only cropped up as a result of university applications but was generally seen as a negative (in my college at least). Obviously, it is not a negative, and if it were introduced earlier it would surely not be as stigmatised. I found it particularly interesting in Dawn Bonfield's lecture that, while most businesses strive for diverse teams, they are severely limited in what they can do due to the failings of the earlie education system in not just not diversifying, but in actively discouraging diversity in subjects, it seems.



#### Strong Business Case – e.g. McKinsey

- McKinsey's 2019 analysis finds that companies in the top quartile for gender diversity on executive teams were 25% more likely to have above-average profitability than companies in the fourth quartile
- A substantial differential likelihood of outperformance—48% —separates the most from the least gender-diverse companies.
- In the case of ethnic and cultural diversity, the business-case findings are even more compelling: in 2019, top-quartile companies outperformed those in the fourth one by 36% in profitability

this not that boys etter at STEM, it's airly ay bette 20% of STEM should art undergrand level are female; 10 % have a disability; and 30% are it's only (thap the is 2010) appe in dretor Sure, fast Bushesia are stupid not to hire diverse trans Tears with varrous cultures gendes, ethnitics etc. alique But perform æ a complet white males

class

An extract of my notes during Dawn's lecture

### End of module assessment:

### Curated log book

- 40% of marks
- 4 A4 pages
- ~500 new words
- Demonstrate a learning journey

### End of module assessment: Reflective Essay (20%)

"Upon completing this reflection, I now recognise that my strengths lie with actual completion of tasks, however my weaknesses appear to be a result of my own perception of the power I possess (based on the wheel of power/privilege) in comparisons to those I am around. I allowed my ideas of how others perceive me to influence my actions and contributions which at times compromised communication and submission quality"



Staff reflection – our own self discovery

# Next steps in self discovery



Running again next year with adaptations

Student project implementation



A catalyst for broader self-discovery (ND UROP, LRPs, etc.)



Other departments / universities interested