

COMPOS: Changing the scene of STEM education in the UK with systematic guided online teaching

Vision:

1) to make UK internationally competitive in STEM training, starting pre-U

2) Provide support to keen students of physics and maths who currently have nowhere to pursue their interest

The curriculum team prepares assignments



Students do the work and email it to their tutor



Assignments include learning materials and a problem set



Weekly webinars



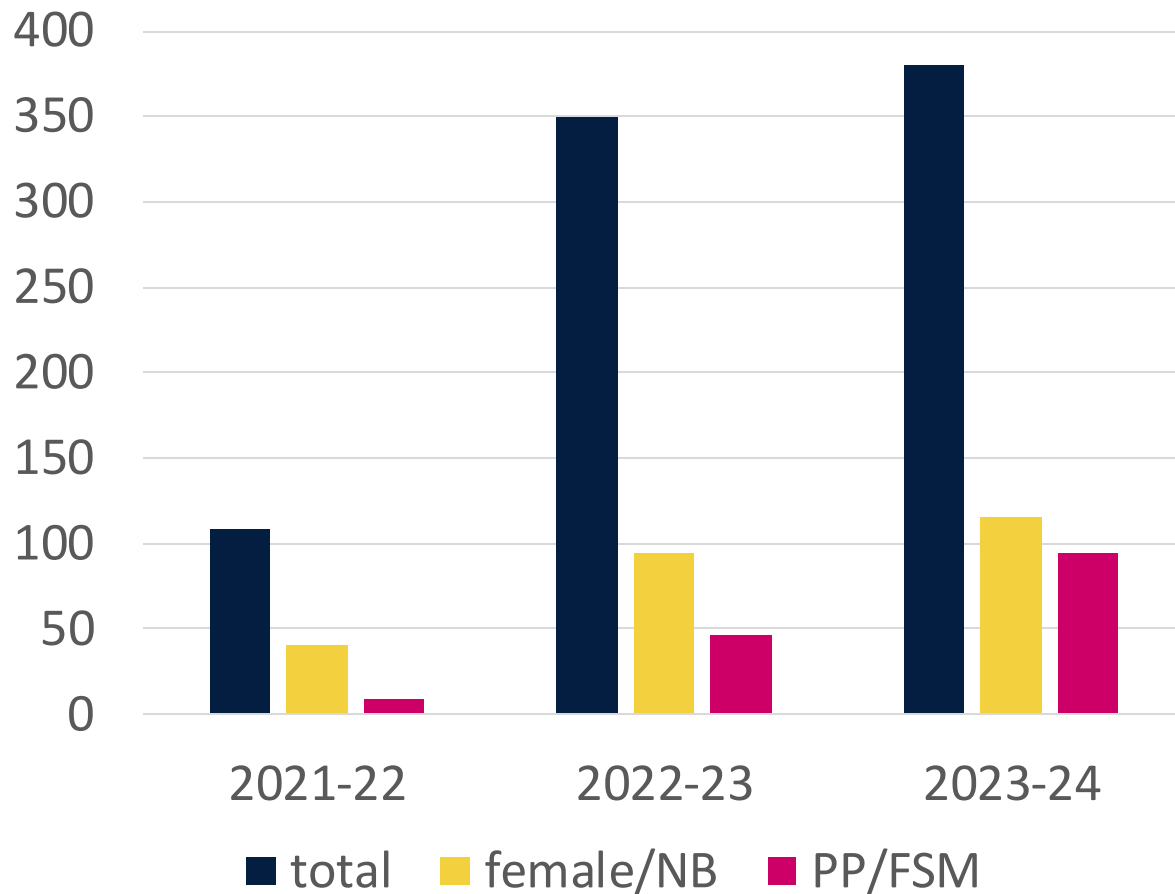
The tutor marks work and leads online tutorials



Academic coordinators supervise and support

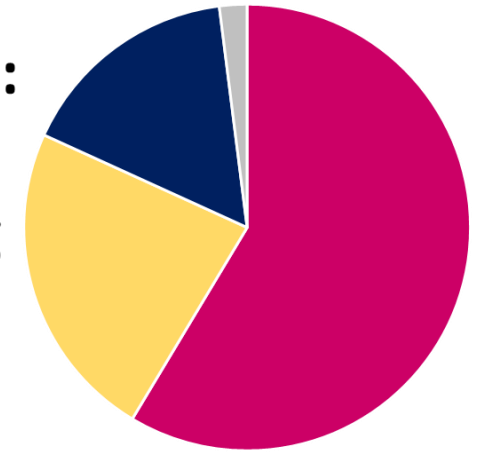
Key data and outcomes

Demographics



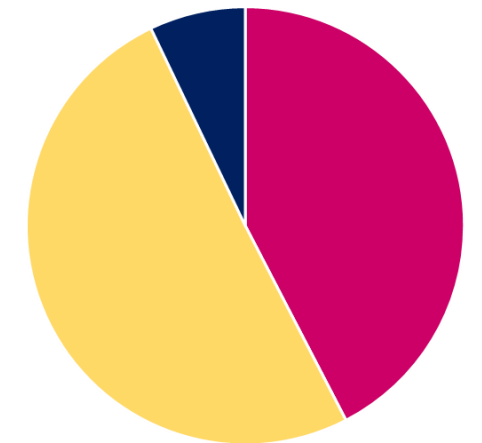
Choosing STEM for HE:

- definitely
- strongly considering
- maybe
- not considering



Student confidence:

- greatly improved
- improved
- no change



Future goals and Impact

Long-term impact of COMPOS on:

GCSE and A Level performance

- will COMPOS students do better than a control group?

Uptake of STEM degree subjects

- Aiming for a statistically significant increase amongst cohort

The STEM education “ecosystem”

- Become a national programme, transform how education thinks about STEM training