

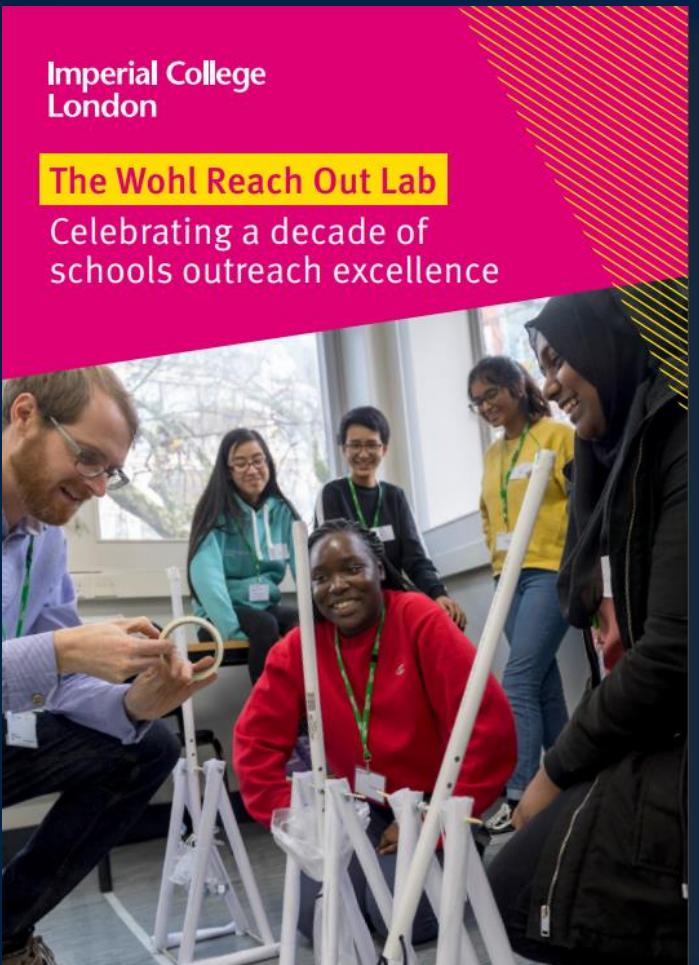
Raising STEM attainment in the Wohl Reach Out Lab

Celebrating a decade of interactive
schools outreach

imperial.ac.uk/outreach



Imperial College London



Imperial College London

The Wohl Reach Out Lab

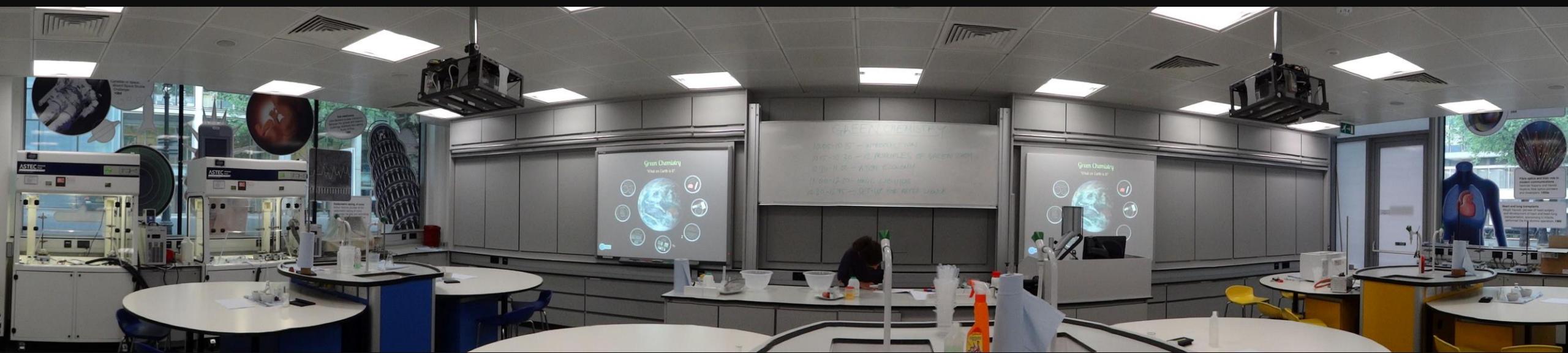
Celebrating a decade of schools outreach excellence



39,200 pupils from primary to post-16

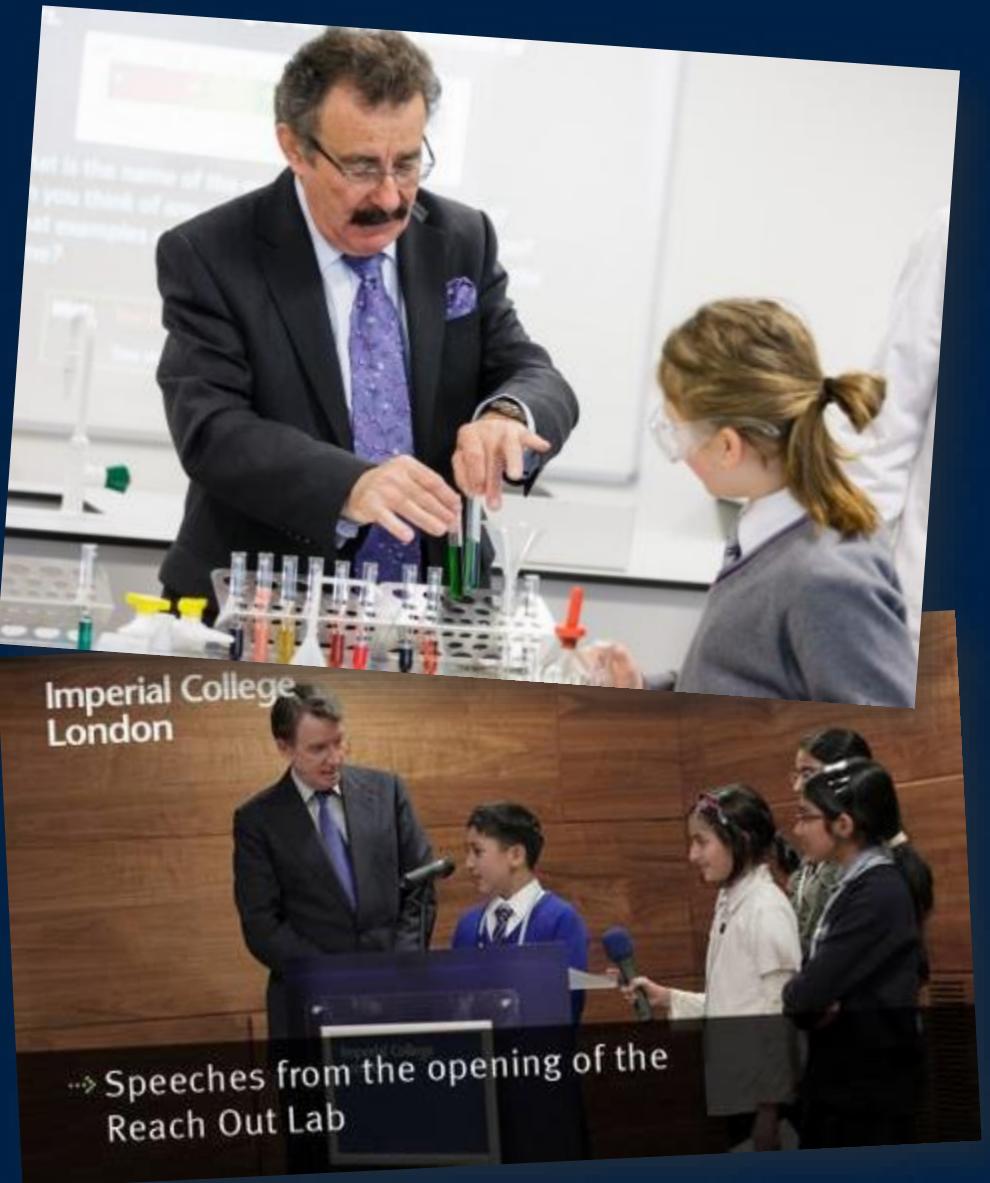
... from 1,909 schools and colleges

8,000 Imperial staff and students have supported activities



Addressing challenges:

- Lack of high-quality practical STEM experiences for school pupils
- Access to scientific equipment
- Gaps in teacher knowledge and confidence



What goes on in the Reach Out Lab

- Whole day immersive STEM activities
- Sessions for summer schools and cohort programmes
- Teacher training and CPD



Existing research and evaluation

- Two PhD projects so far

*Identifying Impact at the Reach Out Lab:
A grounded theory study of the factors that
facilitate increased STEM engagement*

Alex Moss

*Evaluating the impact of practical STEM
outreach educational activities:
A case study into the Wohl Reach Out Lab.*

Roberts Zivtins

- Post-activity surveys, teacher and mentor feedback and observations.

Where we are now

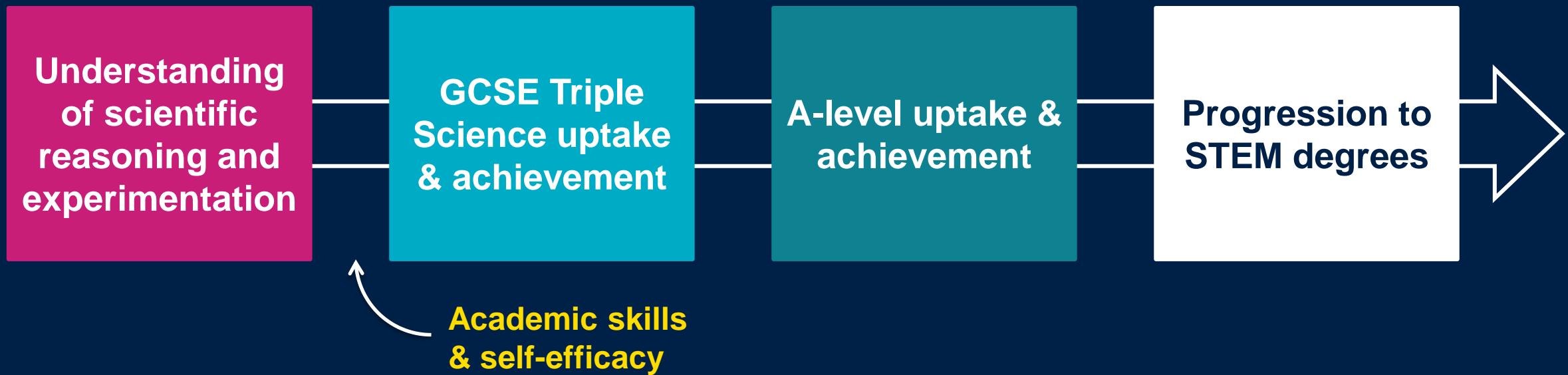
Meeting Ambassadors and hearing about their experiences and educational pathways?

Authentic experience of university learning

Not just more school! Scientific reasoning and experimental skills

Building subject and scientific capital through experiences and equipment, appreciating the wider context

Our thinking on attainment-raising



Future plans

- Refocus on developing practical STEM skills for pupils and teachers
- ROL sessions as part of long-term attainment-raising programmes
- Building STEM confidence, skills and understanding in younger age groups

Thank you!
Any questions?