

CRESTEM MA IN STEM EDUCATION: SPRING TERM NEWSLETTER



Spring Term – 2025 (2)

SPRING TERM 2025 OVERVIEW

This termly newsletter is written to update the Wipro team on the latest activities supported by your funding of the Masters in STEM Education at King's College London's Centre for Research in Education in STEM (CRESTEM).

The momentum from a busy autumn term in 2024 has carried over into spring 2025, as modules run on Quantitative Methods in the Context of Education, Environment, Sustainability and the Role of Education, and Leading Practice in STEM Education.

Alongside this, we are planning ahead to our STEM Education summer conference on 21st June, to which all students and staff are invited.



ADVERTISING SCHOLARSHIPS

A key focus this term has been to advertise next year's scholarships to prospective students, particularly through our school connections and alumni and STEM hub networks. We will be hosting an online open evening on the 2nd April for potential candidates to find out more about the course.

The image above shows an outdoor seminar in the Environment, Sustainability and the Role of Education module. Below our Leading Practice cohort are learning about emerging research on the use of practicals in Chemistry education.



QUANTITATIVE METHODS

This module introduces students to quantitative methods for educational research using recent PISA data as teaching examples. They learn the R coding language to perform analyses. Their first assignment is to produce a graphical presentation of the data. Manuela Parra Echeverri analysed how food insecurity impacts average academic performance across a number of countries, producing the violin plot above. Manuela says that "addressing educational inequalities requires tackling socioeconomic disparities. To truly drive systemic change and improve educational outcomes, we must ensure that every student has access to their basic needs, such as having their food secured."

