

CASE STUDY

Imperial College London



This 6 month pilot of Boost provided scalable 24-hour support to students and contributed to measurably better test scores in math.

Dates: 09/2022 - 04/2023

Duration: 6 months

Department: Bioengineering

Student Users: 176

Videos Watched: 1,336

Practice Questions Completed: 1,835

OUTCOMES

- Of the 400 students offered Boost, 44% registered
- Students that used Boost improved their math test scores by 16% on average, compared to non-Boost students who improved by 5% on average
- 44% of Boost users scored above the class average in their final assessments, compared to 20% of non-Boost users
- Boost users surveyed reported they were highly likely to use Boost for future study

“Students who were struggling with math before the pilot are now performing above the class average.”

Dr. Maria Parkes
Senior Strategic Teaching Fellow
Imperial College London



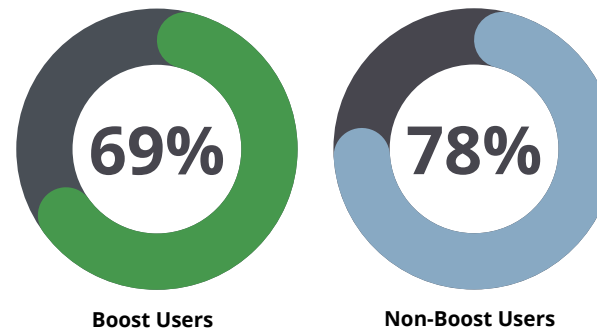
In September 2022, the Bioengineering Department at Imperial College London adopted Boost's Math for Engineering collection to scaffold 1st and 2nd year students in foundational quantitative skills. Led by Teaching Fellow, Dr. Maria Parkes, and Learning Technologist, Ms. Julie Hoang, the 6 month Boost trial provided scalable, 24-hour support to students and improved exam scores by using bite-sized videos and customized learning pathways to engage students.

Julie works with a diverse cohort of bioengineering students each year, supporting the department with technology-driven initiatives to improve student outcomes. While entry requirements are challenging, the level of math mastery was inconsistent despite several digital assessment and test-based resources being available for students.

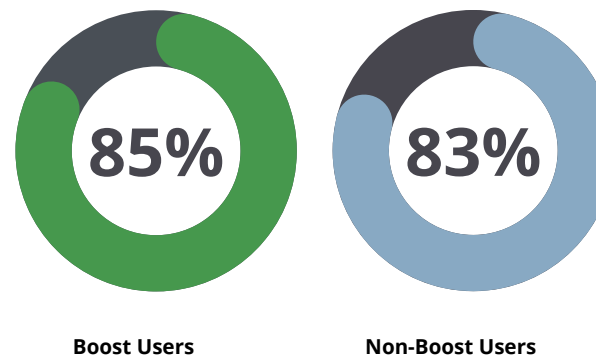
After 5 months of access, 44% of Boost-users scored above the class average, compared to 20% of non-Boost users. Math competency scores for Boost users improved an additional 16% compared to their cohort counterparts who improved by 5%, on average. Students with lower scores were also more likely to register with the platform. Boost users had a formative average score of 69% at the beginning of the pilot compared with 78% for non-Boost users.

Maria and Julie found that students most in need of tuition were well-supported. They were also pleased with general reception of the product and high engagement from their 176 users who engaged with 3,171 videos and assessments over the first four months.

Pre-Boost Test Scores



Post Boost Test Scores



boost-preprep.com

Student Feedback

Qualitative survey feedback was positive, with students noting that the platform was **'easy to navigate'** and concepts were **'extremely well explained [and] much clearer with Boost.'** The pedagogy was also a factor in the high student satisfaction score with one student noting, **'There's a lot of exercises and the fact that they show the correct way of doing exercises through video is amazing.'**