Getech

Case study

Kingston University London

Using LEGO® Education for STEM outreach and engagement at Kingston University

Working with young people aged 7-18, as well as adult learners, Kingston University run STEM-related workshops both in the Outreach Centre at Kingston University and going into schools with 'Lab in a Lorry'. The programme works with schools and colleges in and around Kingston to build interest in STEM degrees and careers.

The STEM outreach team has been running for around 7 years and works closely with the University faculties to offer activities which are both curriculum aligned and showcase the STEM degrees that Kingston University has to offer. The STEM Outreach Team aim to increase the number of young people from disadvantaged and under-represented groups accessing STEM-related courses at university.

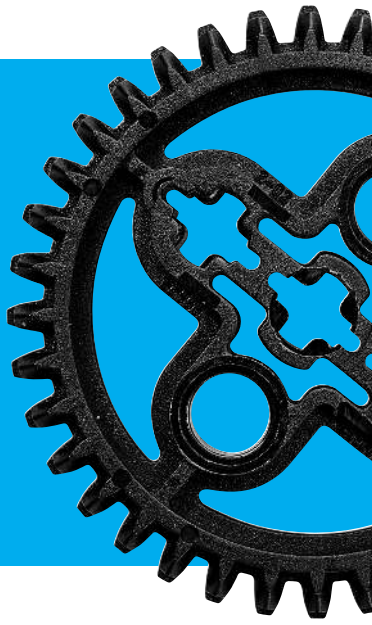
The University introduced LEGO® Education products into their outreach programme to help improve the delivery and engagement of the programme.

"The introduction of the LEGO Spike and Motion sets are a great addition to our outreach work. The versatility of the kits is great, as it allows us to cover a wide range of Key stages with a variety of activities with a relatively small amount of kit. The sets are a great way to teach and engagingly reinforce coding skills, especially as the STEM outreach team are not specialists.

"The range of activities available for both the Spike and Motion sets are incredibly helpful, they allow us to cater our sessions to the schools we work with, ensure that our sessions are curriculum-aligned and reduce planning time for our team".

Martin Wood

STEM Outreach Officer - Kingston University



Key benefits of LEGO Education

Demonstrating STEM principles

"We are also very keen to teach young people about how scientists and engineers think and work. The sets are very useful for this as they allow students to investigate the effects of forces experimentally and so teach them how scientists develop and conduct experiments to further their understanding of the world around them. The activities which focus on engineering skills allow students to understand how engineers solve problems by building and developing prototypes in a hands-on approach, this is a great way to build the aspirations of students towards careers in engineering."

The online resources and lessons offer flexibility

"The most important aspect of the LEGO Education suite, for us, is its versatility. We work with such a wide range of students, schools, and ages, that we need our equipment to be as adaptable as possible. Having a set of resources which can allow our sessions to be very easily catered to a specific school group, whilst still being curriculum aligned, is incredibly helpful for us. The huge range of ready-made resources available online makes our lives much easier, we are planning to make use of all of the resources available over the next year."

Learn more about how LEGO Education can bring STEAM learning to life at: getech.co.uk/LEGO

LEGO education