



# CLAREMONT HIGH SCHOOL FOUNDATION

A Specialist College for Performing Arts  
Maths and Computing and Applied Learning

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## STEM Outreach work

42 Yr 9 girls from Putney High School girls enjoyed learning about Engineering during their science and Engineering week activities, one of the activities being the design and construction of piled foundations delivered by Miss T. Patel from Claremont High School.



The girls got hands on experience of dressing in protective clothing, mixing their own concrete and building miniature piles which they then load tested. They were amazed to see how much weight the piles could support in friction against the clay! They also got a chance to do the calculations for real piles using real data.

The girls really enjoyed the day and learnt a lot about what an engineering job involves.

## Engineering Masterclasses at Imperial College

5 yr 9 pupils from Claremont High School attended three Engineering Masterclasses on Saturday mornings recently. The classes were organised by the Royal Institution and held at Imperial College.

Ilyas Jalisi commented: "The Masterclasses were really useful in providing an insight into the different types of Engineering that are out there. The sessions were very practical. I really enjoyed the session where an electrical engineer helped us to build our own speakers." "I enjoyed making a crane and learning about superstructures, it was amazing to see how much went into the design of these structures!" remarked Deanne Hay.

The pupils were accompanied by Ms T. Patel who also delivered one of the Masterclasses on Geotechnical Engineering.

Pupils attending included Deanne Hay, Ilyas Jalisi, Sainath Sivakumar, Kiritharan Kathirgamanathan and Biswaji Roy.

