



LONDON BRIDGE BEST PRACTICE

School Engagement – Go4Set

Overview

As part of the London Bridge’s school engagement initiative, we have taken part in EDT’s Go4Set Inspiring Future Engineers and Scientists programme.

The programme links teams of six Year 8/9 pupils with companies to offer a 10 week science, technology, engineering and mathematics (STEM) experience. By providing a real and live STEM project, the programme seeks to engage with children from different schools, introducing them into the engineering and science industry whilst providing them with valuable skills as part of the STEM initiative.

The school nominated to Costain, London Bridge, was ARK Globe Academy. Six members of staff were delegated as mentors to oversee two project groups: Cooling the Station and The Kompany.

The Challenge

This is the second year that we having undertaken the Go4Set challenge and this year we were given the project titled ‘Stations for the Future’. The objective of this project was to encourage the children to look into the challenges of railways and how they would, through re/designing an element of their chosen station, improve it from an environmental perspective. As part of this they were asked to consider problems such as:

- Noise and air pollution
- Costs
- Congestion
- Accident risk



Each team was required to produce a written report, a model displaying their innovative ideas and a presentation. Throughout the project process, the mentors guided the students with their ideas on

improving the environmental standards of the station, aided the team working dynamics and helped structure their reports.

On completion of the 10 week project, all participating students, mentors and assessors were invited to a Celebration and Assessment Day (CAD) where each team presented to the assessment panel their ideas and model.



ARK Globe Academy Team Future won an award for their “cooling the Station” project as The Most Innovative Project

Benefits for Students:

- Introducing them into engineering and broadening their knowledge of science
- Gain insight into different career paths
- Obtaining valuable skills such as team building
- Enhancing their awareness of the environment and sustainability, especially within the engineering and rail sector

Benefits for Employees:

- Chartership and CPD points
- A chance to give something back to the community
- Provides diversity into their working role
- Building on a legacy

Objectives and Targets:

- Increasing the awareness of young people within the rail industry
- Engagement of employees in community events
- Inspiring young people into considering the engineering sector as a career