

Year 9 on track for engineering success with Crossrail

On Thursday 29th March five Year 9 students headed to Crossrail's headquarters in Canary Wharf for a collaborative project called 'Stations for the Future'. The project is part of Crossrail's initiative to train young people to develop a deeper understanding of the engineering industry and to improve their prospects for a future career in the field. The five students involved in the project were Mohammed Al-Kayssi, Abdullatif Reda Atef Ali, Shamsur Rahman, Semih Bilgic, and Nayem Mohammed.

As part of the initiative, students were invited to redesign a station of their choice. Westminster Academy students picked Royal Oak Station due to its close proximity to their homes and educational setting. Students worked alongside Miss Awomosu and Mr White to develop a professional report on their proposed redesign for the station and worked hard to communicate their concept in both written and visual form. Students also worked with professional engineer Suhran Miranbeg to develop key design features that could improve the use of technology within their design.

During the course of the project these students worked hard to narrow their ideas to make the project clear and succinct. Towards the end of the project, students had developed five key areas of importance for the redevelopment of Royal Oak Station including: environmental factors, user friendliness, safety and security, aesthetic appeal and effective use of technology.

Students came up with many exciting and innovative ideas and were able to present their work in a creative and visually appealing manner. They took accountability for their different roles within the project and were professional throughout. Miss Awomosu adds, "Throughout the project all students involved showed not only enthusiasm and passion for their design but also demonstrated the grit and determination to succeed."



On the day of their presentation students continued to display a professional approach and their commitment to the project did not go unnoticed. All five students qualified with a Bronze level Industrial Cadets award. Students also won the Pupil

Choice Award trophy for the visual presentation of their design. Students commented that their confidence and public speaking skills improved throughout the process and that they are proud of their achievements:



"I have enjoyed working as part of a group and working together to create something big." (Mohammed Al-Kayssi)

"I have learnt that certain materials are more efficient to use in a design. I particularly enjoyed working with professional engineer, Suhran Miranbeg. He explained the concept of carbon offsetting in a way that was clear and easy to understand; as a result we decided to include this concept in our project". (Abdullatif Reda Atef Ali)

"I have learnt the importance of teamwork. I have enjoyed collaborating on a project that aims to make the world a better place." (Mohamed Nayem)

By Mr White, Teacher of Art and Engineering

Message from the Principal, Ms Bora

Term 4 has challenged students academically through mock examinations and we have continued our success in delivering world class extra-curricular opportunities to enhance students' spiritual, moral, social, cultural and physical potential.



Over the Easter holiday, parents are reminded that ALL students must **read, revise and practise questions**. There will also be Year 11 and 13 interventions; parents of these students have been warned not to book any holidays. Finally, please promote our character traits: **grit, optimism, self-control, gratitude, zest, curiosity and social intelligence**. Happy Easter!

