

THE BUILT ENVIRONMENT PROJECT ARMTHORPE ACADEMY | KEEPMOAT | VOLKERRAIL



Dates

29 June – 2 July 2026

Students

25 Year 9 students with an interest in Engineering

Employers

Keepmoat & VolkerRail – local to the school in Doncaster

Delivery

4-day employer-led project delivered in school

Challenge

Design a new housing development and create a railway line and station connecting the development to the next town

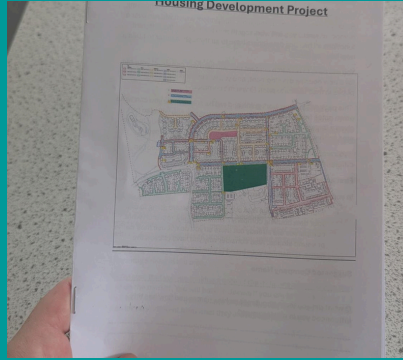
EqualEx Learning Objectives

Increase awareness of careers in construction, rail and engineering

Understand apprenticeship and technical career pathways

Develop self-awareness of skills, strengths and interests

Challenge stereotypes through engagement with industry role models



Programme Structure

Day 1: Employer introductions, career journeys and project brief launch

Days 2-3: Housing and rail design challenges with employer mentoring

Additional activities: Sustainability, climate change and unconscious bias workshops

Day 4: Team presentations to Keepmoat, VolkerRail and school leaders

Impact

Increased awareness of careers in construction, rail and engineering

Improved confidence, teamwork and presentation skills

Greater understanding of apprenticeships and technical pathways

Students applied curriculum learning to a real-world project challenge

Feedback

"The transition in some of the pupils from day one to the end was incredible to see." – Keepmoat

"I was blown away by the quality of the presentations." – VolkerRail

"This was such an amazing experience." – Student

"What an amazing opportunity for our children." – Parent