

ARE YOU
EPIC?



Join the EPIC STEM team

HS2 Ltd has developed a new, **FREE** secondary school workshop programme, with curriculum-linked resources for Key Stage 3 students (Years 7 to 9) to link STEM learning with careers in transport infrastructure.

Our Science, Technology, Engineering and Maths (STEM) education workshop provides real world context to STEM learning and explores careers in transport infrastructure to inspire your students to become EPIC Engineers - Extraordinary People Initiating Change.

In **April - May 2019** we will be visiting schools in your region and delivering the **FREE** EPIC STEM workshops. You could host a curriculum-linked, STEM workshop led by trained facilitators and featuring interactive game play, augmented reality apps and practical design challenges.

Register your interest now by contacting Racheal at HS2EPICWorkshops@zincmedia.com



Workshop Information

The workshops will highlight the 'EPIC' nature of the challenges that engineers face and showcase the creative, technology-driven solutions used in the railway and transport infrastructure industries.

These hands-on, interactive workshops include a full day of activities for up to 60 students including practical engineering design challenges and exploring the latest technology in augmented reality on tablet devices.

Students will learn about and reflect on their own *STEMPowers* throughout the day, developing career ready skills and improving their knowledge about sustainability, design and construction as they work in teams to design their own railway stations of the future.

By hosting an HS2 workshop your school could support the next generation of EPIC Engineers!



DON'T MISS OUT!

Register your interest to host an HS2 EPIC workshop by contacting Racheal at HS2EPICWorkshops@zincmedia.com



The workshops will be complemented by a set of curriculum-linked resources that will be **FREE** to download, enabling teachers to deliver their own workshop sessions.

More about HS2

HS2 will form the backbone of Britain's transport network. Once completed, HS2 trains will call at over 25 stations from London to Scotland, serving around 30 million people in regions representing over half of the UK economy.

HS2 will add significant reliable capacity to the existing rail network; it will represent a step change in how people work, live and travel for coming generations – supporting the rebalancing of the economy and improving productivity across the North and the Midlands.

HS2 is more than just a railway; it will upskill a generation with world-class skills that we can export around the globe. Around 7,000 jobs are already supported by the project, and this is expected to increase to 30,000 at peak.

The education workshops form part of HS2's commitment to building a positive legacy for the communities along the route and inspiring under-represented groups into STEM careers and learning.

The transport infrastructure sector faces the challenge of an ageing workforce, with a quarter of rail engineers aged over 55 and expected to retire during the next ten years. With a number of major projects in the pipeline, evidence published by Engineering UK suggests that 203,000 people with engineering skills at level 3 or above will be needed each year until 2024, to meet the demand.

With only 12.5% of the engineering workforce female and only 8.1% from ethnic minority backgrounds, the workshop's emphasis on self-reflection and learning encourages all students to see how their own abilities fit into the exciting world of STEM.