



#iRail2018 >>>>>

**DATE:** 16th May 2018

**VENUE:** 

HIGH  
SPEED  
RAIL

**The National College  
of High Speed Rail**

The National College

## WHAT IS **iRail** >>>>>

Since 2010, iRail has attracted hundreds of school students from across the East Midlands as part of a programme to inform and engage young people on the range of career opportunities in the railway industry. This year iRail is in its 10th year and we are pleased to announce it is coming to The Greater Birmingham and Solihull LEP area.

Now part of the Big Bang and Careers and Enterprise fund initiatives, iRail will be the highlight of the rail industry calendar, taking place at the new National College of High Speed Rail building Birmingham. iRail is a programme of inschool workshops and a celebration enterprise event.

The event not only showcases the rail industry but also demonstrates the science, apprenticeship and graduate engineering careers available in this growing area. It also provides an opportunity for key players in the rail industry to network and interact with each other and young people. Central to the day is the involvement of teams from local schools who go on industry visits and undertake engineering challenges to be judged by a panel of industry experts.



CAREERS >>>> RAIL >>>> LEADERS >>>> ENGINEERING >>>> NETWORKS >>>> FUTURE



## PRE EVENT

Prior to the event taking place, Learn by Design will deliver a full day workshop into 28 schools. The session will be for up to 180 young people. 90 students in the morning and 90 in the afternoon.

- Students are introduced to the iRail programme and given an insight into future careers in the rail industry.
- Working in their groups, students will complete an interactive enterprise activity based around the future of the rail industry.
- A workshop on transferable skills needed to succeed in the rail industry.

## THE EVENT

### iRail 2018 Student STEM Challenge day - 9.00am to 3.30pm

Mentored for the day by industry experts and following industry related visits, school pupils from across the region will be invited to solve the iRail 2018 STEM Challenge and present their solutions to a 'Dragon's Den' style panel of judges.

Industry visits/trips, exhibitor visits, engineering tasks and presentations form the bulk of the day for teams of year nine students from around regions schools. This then ends in a 'Dragon's Den' style competition and presentation to leading industry figures.

Companies, organisations and individuals who have supported iRail include **Network Rail, Bombardier Transportation, HS2, National College of High Speed Rail (NCHSR), Resonate, DBEIS Department for Business Innovation and Skills, National Training Academy for Rail (NTAR), Vossloh Kiepe, SNC Lavalin, Atkins, Porterbrook, Transport iNet, Rail Forum East Midlands, Institution of Mechanical Engineers, National Skills Academy for Railway (NSAR), Derbyshire Railway Engineering Society (DRES), Rail Technology Magazine, Derby City Council and Pete Waterman**, rail enthusiast and music mogul.



Rail Forum  
East Midlands





# PRESS COVERAGE

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## Tomorrow's World Looking to the future: iRail 2011 Special



**iRail seeks out engineers of the future**  
Secondary school students from Derbyshire and Nottinghamshire were given the opportunity to test their engineering skills, including designing and building their own 'bogies', at the innovation Rail (iRail) event at the Roundhouse, Derby, on March 17. The day teamed academia and iRail professionals to engage students in an engineering challenge. Pupils from 10 schools presented their innovations to a panel of judges, which included rail enthusiast Pete Waterman. Students were also given a tour of Bombardier and the East Midlands Control Centre.

## THE NEXT GENERATION OF RAILWAY WORKERS

At iRail 2011, rtm caught up with leading industry figures Ben Gil Howard, Tom Dugher, Rob Mullen and Ray to discuss the future of rail.



Seeking out engineers of the future whilst showcasing innovations in the rail industry

#iRail2018