

**PRIMARY  
ENGINEER®**



# Primary Engineer® and Hitachi Rail Project

**The Primary Engineer® & Hitachi Rail Primary Rail Project** is a brand new extension to the existing Primary Engineer® programmes for both Key Stage 1 and Key Stage 2. It provides children and teachers the opportunity to engage in creative, practical, maths, science and literacy projects using rail engineering as the vehicle.

This course is the first step with regards to practical teacher training. It is open to two teachers per school – one from lower primary and one from upper primary. Teachers attend a one-day practical course which covers both the Key Stage 1 shoe box train and the Key Stage 2 electrically powered train projects.

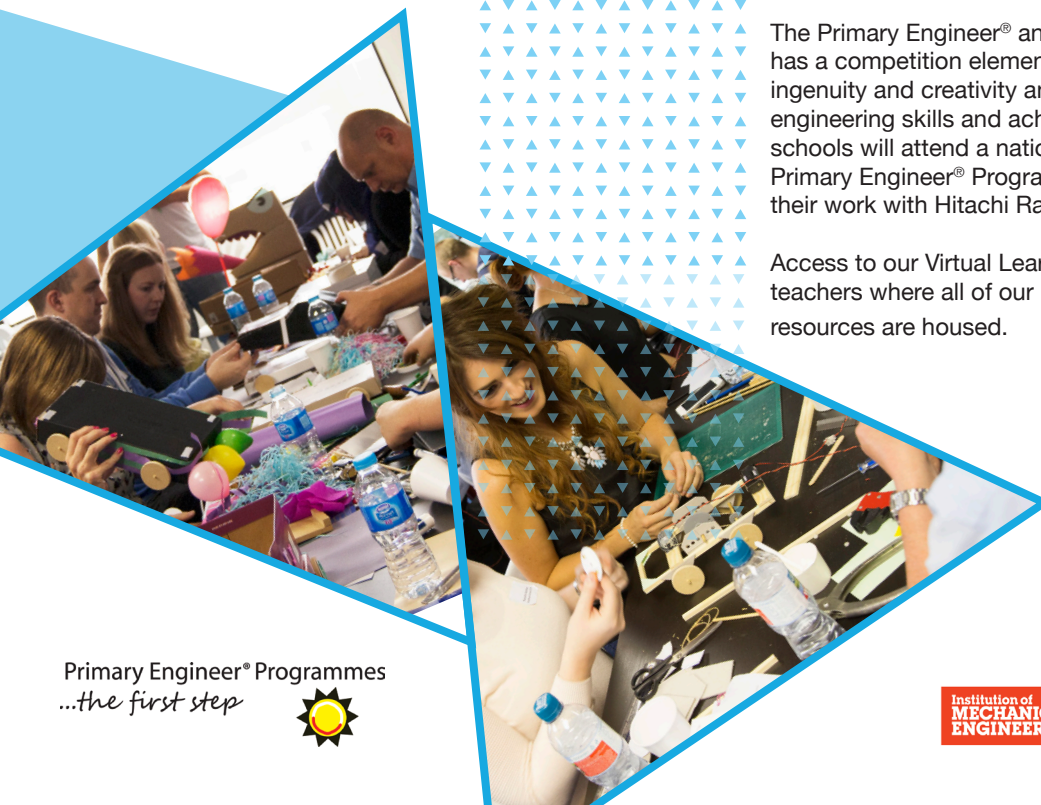
The outcome will enable teachers to deliver a whole-class, curriculum-mapped, rail-oriented engineering project, which allows for a variety of outcomes. The project supports practical STEM and gives pupils the opportunity to work with Hitachi Rail engineers in the classroom.

**HITACHI**  
Inspire the Next



The Primary Engineer® and Hitachi Rail Primary Rail Project has a competition element to champion children's engineering ingenuity and creativity and to provide a forum to celebrate their engineering skills and achievements. Pupil teams from participating schools will attend a national competition run and managed by Primary Engineer® Programmes to test their rail vehicles and discuss their work with Hitachi Rail engineer judges.

Access to our Virtual Learning Environment (VLE) is included for teachers where all of our interactive and downloadable teaching resources are housed.



Primary Engineer® Programmes  
...the first step



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**MECHANICAL  
ENGINEERS**



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