



## **Electric Engines**

### ***Science***

Year 6 enjoyed a trip to the Locomotion in Shildon today, taking part in an 'Electric Engines' workshop led by members of Hitachi Rail. We began the day thinking about how circuits are created and how we can ensure they work effectively. This then led them to draw their own circuits using the correct symbols. The next step was to go on a tour and look at the different train engines. They thought about why society moved from steam engines to electric—carrying out a fun drama activity to demonstrate this and aid their understanding.

### ***Design Technology***

As part of our curriculum, Year 6 needed to use their knowledge of circuits to design and build something that moved through the use of a circuit with a switch. In groups, they thought about their design and then built their own electric engine using a range of components. Next was the fun part....the race!

This whole day enabled the children to reflect on their learning through out the term and reinforced all their new 'sticky knowledge'.



**We have the right to good, quality education  
(Article 28)**