

**Workshop : George Stephenson Story****National Curriculum Links**

KS1 History: The lives of significant individuals in the past who have contributed to national and international achievements

KS1 Local History: significant historical people in their own locality- local engineers/inventors (George Stephenson)

KS1 Art and Design: using a range of materials creatively to design and make products

KS1 STEM

<b>Learning objectives</b>	<b>Session structure</b>	<b>Assessment for learning</b>
<p><b>To learn about the historical significance of George and Robert Stephenson</b></p> <p><b>To explore the stories of George and Robert Stephenson and understand the impact of their work in developing the railways.</b></p> <p><b>To develop engineering skills through observational drawing and creating their own train design</b></p>	<p><b>Introduction</b></p> <p>Children will work in small groups with an adult to explore the museum with a list of adjectives, matching words to objects.</p> <p><b>Session activities</b></p> <p>We will look at and discover more about George Stephenson’s Locomotive ‘Killingworth Billy. We will explore how a Steam Engine works and discuss the role of the two people who stand in the cab of the train.</p> <p>Children will take part in an interactive story, using a textile version of Stephenson’s Rocket to find out more about George and Robert Stephenson’s stories and the impact of their work in developing the railways.</p> <p>Children will draw an observational drawing of ‘Killingworth Billy’ and then use this to discuss the differences between the designs of Stephenson’s ‘Killingworth Billy’ and the ‘Rocket’. They will then create their own train design.</p>	<p>Children will explore themes through roleplay, exploration of the museum, observational drawing, we will ask questions throughout to check understanding.</p> <p>Children will have opportunities to respond and give feedback throughout the session.</p> <p>There will be opportunities for Q&amp;A at the end of the session.</p>

	<p><b>Plenary</b></p> <p>Ask children to hold up their train designs and for some of them to explain how their train works and how it is different or similar to the steam locomotives that the Stephensons created.</p>	
<b>Before your visit</b>	<b>After your visit</b>	<b>Key vocabulary</b>
<p>Make a free teacher pre visit to familiarise yourself with the site- contact <a href="mailto:learning@stephensonsteamrailway.org.uk">learning@stephensonsteamrailway.org.uk</a></p> <p>Borrow a George and Robert Stephenson themed Box of Delight</p> <p><a href="http://twamschools.org.uk">Loans boxes   Tyne &amp; Wear Schools (twamschools.org.uk)</a></p>	<p>Create a collage or timeline to show the important events in George and Robert Stephenson's lives.</p>	<p>Steam locomotive, Cab, Firebox, Water Tank, Chimney, Cylinders, Pistons, Connecting rods</p> <p>Coal, Coal Mine/Colliery</p> <p>Engineer, Fireman</p> <p>George and Robert Stephenson, Edward Pease</p> <p>Killingworth Billy, Blutcher, Rocket, Rainhill trails</p>