



Workshop	Lesson Objectives	Lesson Outline	Key Questions	Assessment: Identifying achievement
<p>Be the Bridge Master (All Key Stages)</p>	<p>To understand the role of an engineer, specifically the Bridge Master.</p> <p>To use critical thinking and maths skills to prioritise maintenance tasks to create a bridge maintenance plan and budget.</p>	<p>In this workshop, pupils will learn about different types of engineering careers and the role of the Bridge Master at the Clifton Suspension Bridge.</p> <p>Complete a scenario-based task with several challenges involving budgeting and weighing up the pros and cons of projects for all stakeholders.</p> <p>In groups, pupils will decide on a maintenance plan for the year and work out the cost.</p> <p>At the end of the workshop, the groups will present their decisions to the whole group.</p>	<p>What is an engineer? What does the Bridge Master do at the Clifton Suspension Bridge? How is the Clifton Suspension Bridge maintained?</p>	<p>Complete the full-year maintenance plan using addition, subtraction, multiplication, and division.</p> <p>Discussion between the groups.</p>

<p>Bridge Building Challenge (All Key Stages)</p>	<p>To be able to identify the 4 main types of bridges.</p> <p>To construct and test bridge, making informed decisions about design and materials.</p>	<p>In this workshop, pupils will learn about the different types of bridges and their uses.</p> <p>They will work in small teams to design and build a bridge working to a budget and time limit.</p> <p>Each group will be challenged to build a bridge capable of holding 1KG or more.</p>	<p>What are the four main types of bridges? How does a suspension bridge work? What is tension? What is compression?</p>	<p>Can the bridge hold 1KG?</p> <p>If the bridge didn't hold the weight, can the team understand how to make their bridge stronger? Can they suggest what would they do differently next time?</p>
<p>History Detectives (KS1-2)</p>	<p>Identify the differences between a letter and a postcard.</p> <p>Describe how communication has changed over time.</p> <p>Write a postcard using inspiration from archival material.</p>	<p>In this workshop, pupils will learn about the history of postcards and how communication has changed over time.</p> <p>They will learn about the role of the archivist at a museum, put on archival gloves and then handle and investigate postcards from our collection using prompts.</p>	<p>When and why was the postcard invented? How is a postcard different from a letter? What is an archivist? How do you write a postcard? (message, address, stamp)</p>	<p>Completed the writing a postcard, using 'Dear ___' and from '___'.</p> <p>Add a 'stamp' in the corner and their school address.</p>

		Drawing inspiration from the postcards' messages and images, they will write and design their own postcards.		
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