



Design and Technology Topic Overview : Light up signs			
Previous linked learning	I think I already know...	I would like to find out...	
Yr 1 I can explore a range of materials and evaluate the usefulness of their properties for a particular project. I can explore how to make stable structures that hold a given object. I can follow a design to make a stable structure.			
Investigate essential Analyse practical Illuminated construction LEDs Incandescent Bulbs Circuits Signs Components Program Control Product Electronic CAD Light-up box Signage Aesthetic Adapted Materials Microcontrollers Switches	<p>By the end of this unit, you will be able to...</p> <p>To investigate and analyse illuminated signs. To understand how LEDs may be used instead of traditional incandescent bulbs in series circuits. To develop ideas for a decorative illuminated sign. To select and use tools, equipment, materials and components to make the enclosure of a decorative illuminated sign. To construct a working circuit with one or more lights, and fit it in a decorative illuminated sign. To investigate ways in which computers can be used to program and control lights in a product.</p>		
			