



Heroes and Villains: is it always as simple as good versus evil?

Design and Technology



Key Knowledge

Lightbox Art

Lightboxes are made by carefully cutting and joining pieces of wood to create a frame structure that an electrical circuit can be placed within to create a bulb that illuminate the box from behind. A translucent surface is then placed on the front and artwork can be drawn directly onto this surface. When the light shines through the artwork, it illuminates key parts of the piece and creates a striking contrast of light and shade. Lightbox art can be seen in streets and public areas across the world, especially in places such as airports and train stations and cinemas.



Stability joint



Cooking and Nutrition

When we go to the movie theatre, we often eat snacks like popcorn and sweets. These snacks are fun, but they are not always healthy. We will be designing a new healthy movie snack that tastes good, is easy to eat, and is good for your body.



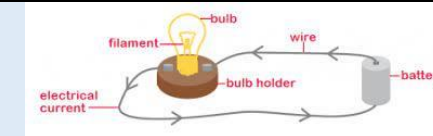
Key Vocabulary

design brief

A document of instructions for a design project



circuit



A complete path around which electricity can flow

material / media

The matter/form from which an object is or can be made



frame structure



A construction of materials that supports the structure of the design

reinforce

Strengthen and support with additional material



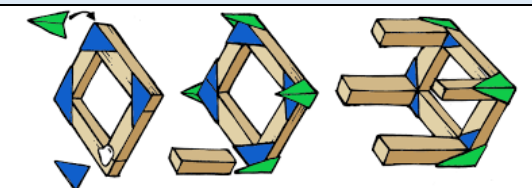
lightbox



A wooden frame with a translucent surface and illuminated from behind

stability joint

Joining materials together to ensure the structure is strong and can withstand movement.



balanced

Movie Theatre snacks



measure

texture

prepare

nutrients

blend

Design

Create

Structure

Mechanism

Evaluate