



Key Knowledge

Design

An electrical circuit needs a battery, battery holder, wires and an on switch to make the bulb work. The target audience is extremely important and is key to the design.



Make

The pattern will allow the light to shine through and will fit the purpose and aesthetic need.
Materials are chosen according to their functional properties.

Evaluate

Through evaluating my product, I can identify the strengths and weaknesses of the design ideas in relation to purpose/user. This will support future designs/idea.

Thomas Alva Edison

(February 11, 1847 – October 18, 1931) was an American inventor and businessman. Edison wanted to create a high resistance system that would require far less electrical power than was used for the arc lamps. By January 1879, Edison had built his first high resistance, incandescent electric light. When voltage was applied to the completed bulb, it began to radiate a soft orange glow. Even though it is over a hundred years old, this bulb looks very much like the light bulbs lighting your house right now.



Vocabulary

circuit	A complete closed path which an electrical current can circulate round.	
battery	A container with chemical cells which can power electricity.	
wire	Metal drawn out into a thin, flexible thread.	
switch	A device for making and breaking an electrical circuit.	
material	What objects can be made from.	
transparent	A material where light can pass through.	