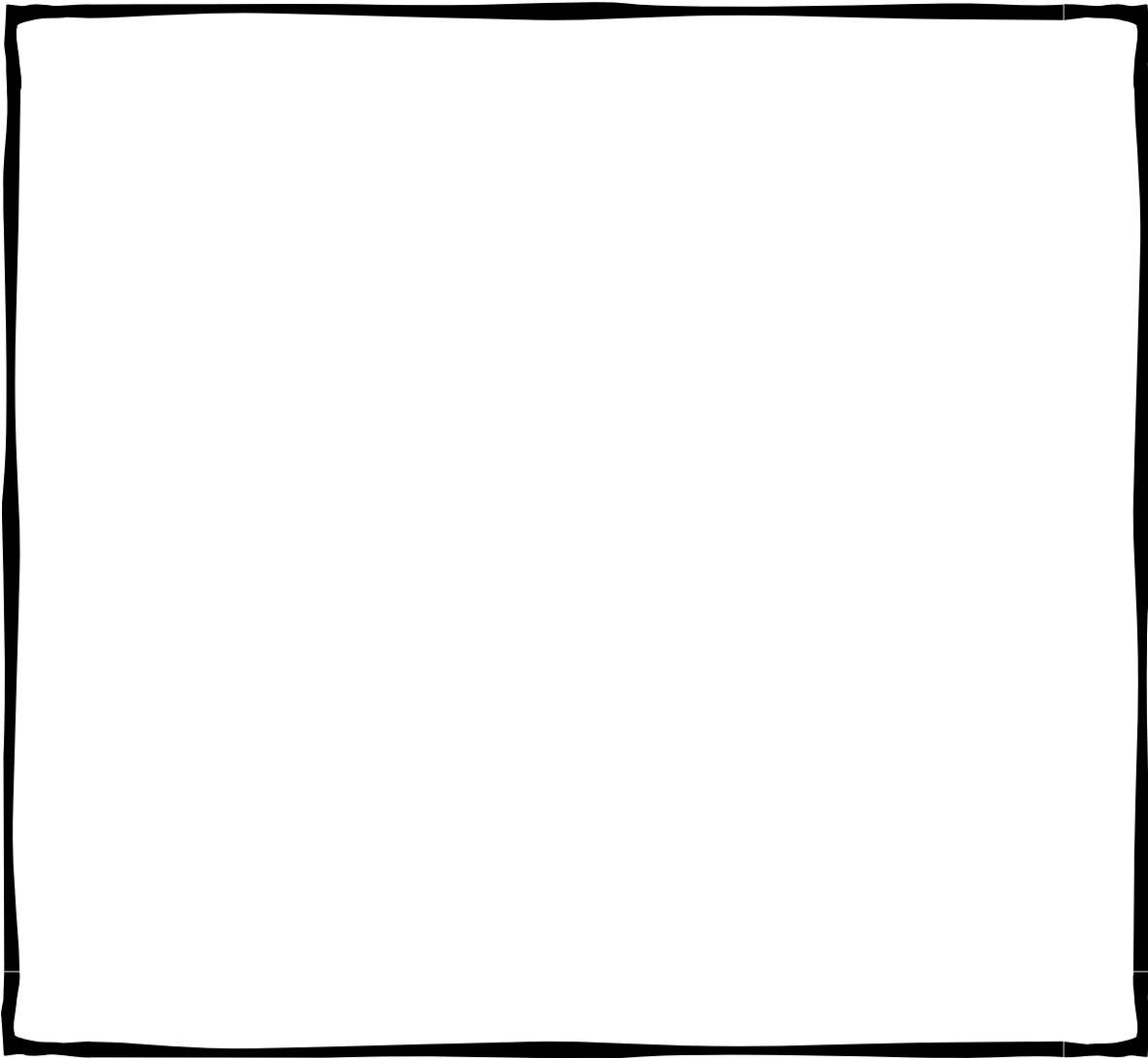


Lighting

It Up!



D & T Project by.....

Types of Light

I looked at lots of different lights.

Here are some examples:

Lots of different materials were used to make them, for example.....

Looking in detail at a light

Choose one of the lights that you have been looking at and answer the following questions.

Type of light:

Purpose of light:

What materials is it made of?

How do you switch it on and off?

What shape is it/ Why do you think it is that particular shape?

Can you adjust the light in any way? How? Why is this useful?

Who might use the light? When? How?

Diagram of my light

Draw a diagram of your chosen light. Then label the following features:

bulb battery switch casing

You can label anything else you think is an important part of the light.

Fantasy Light!

A high tech company called LAMPTRONIC PLC wants to produce a new desk lamp ready for Christmas. The lamp must appeal to a wide variety of people (children and adults). They want the lamp to include lots of special features. Can you come up with a design that will make the new Lamptronic lamp the biggest seller this Christmas.

Design Ideas For My Lit Christmas Decoration.

Design 1

Design 2

Design 3

Design 4

Design 5

Design 6

My Final Design

(from different angles)

| | |
|-------|----------------------------|
| Front | Back |
| Side | Additional Design Features |

Planning Sheet

Task: To make a Christmas decoration that lights up.

Tools:

Materials:

Step 1:

Step 2:

Step 3:

Step 4:

Step 5:

Step 6:

Evaluation Sheet

Task: To make a Christmas decoration that lights up.

Things I found easy:

Things that were hard to do:

New things I learned:

Improvements I could make: