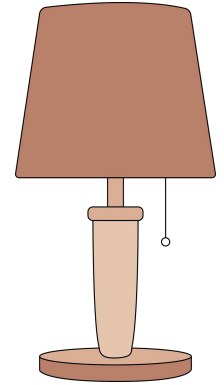


# Table Lamp

## **The Challenge:**

Can you design the ideal table lamp for your desk?



## **Guiding questions:**

- 1) How do you want your lamp to work?
- 2) What do you want the lamp to look like?
- 3) How will the lamp stand up on the desk?

## **Required materials**

- 9V battery and battery cap
- LED
- 220 ohm Resistor
- On/Off switch
- Alligator wires

## **Prototyping materials**

- Cardboard
- Small plastic containers
- Scissors/cutting knife

If you are stuck, flip over for examples!

# Example: Table Lamp

Paper cone for light direction

Plastic cup for light diffusion

Pipe cleaners around alligator wires for support

Battery, wires and resistor contained in the cereal box cardboard tubes.

On/Off button

Battery, wires and resistor contained in the plastic container

On/Off button

