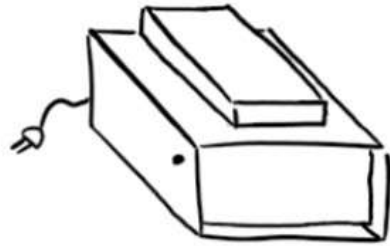


DIY UV SANITIZER

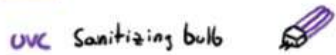


- Made out of cardboard
- Everything can be found easily in shops.
- Sanitize small every day object in about 1 hour.
- No prior knowledge required

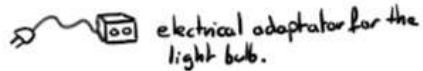
What you'll need:



Some pieces of cardboard



UVC Sanitizing bulb

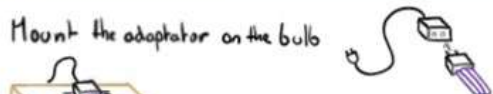


electrical adaptor for the light bulb.



Glue, cisors, tape, ...

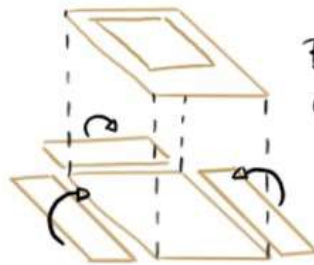
Step 3: Install the UV bulb



Mount the adaptor on the bulb

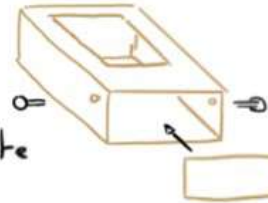
Attach the base of the bulb on the top of the box. Make sure the tubes don't touch the cardboard.

Step 1: Build the Box

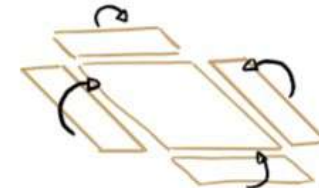


Build a box of $30 \times 20 \times 10$ cm with a hole in the roof of 18×10 cm.

Use your creativity to create a door.



Step 2: Build the light cover



Build a box in cardboard of 20×12 cm

and cover the inside with aluminium foil.

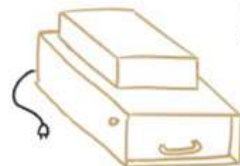


Science Corner

- UVC sanitizing bulb emit at 253,7 nm, which is DNA maximum absorption. It destructs virus, bacteria and fungus.
- Due to low power bulb, there are no serious risk for human but never ever should some one see directly the bulb while working.
- In one hour your key chain and mobile phone are clean.
- Cardboard, light bulb, electricity and DIY are a fire hazard, don't leave it alone.

Final step: Mount the cover

Mount the cover on the top of the box



Make sure to cover all the holes with opaque tape. You may want to put a flash light inside the box to see them.