#### Flat battery torch assembly instructions

by Francis McGovern



### Components



Solder and cable will be provided by the teachers

## Step 1 - resistors



## Step 2 - push switch



### Step 3 - transistor



## Step 4 - LED



## Step 5 - Transformer



C) Whilst always holding three centimetres of both cut ends, continue to thread through and around the magnet 20 rotations.



## Step 6 - Transformer



D) Using the abrasive paper, remove the varnish coating from the ends of the cut and doubled cable. It will change colour when sanded free from the coating.





# ONCE AT THIS STAGE ASK FOR FURTHER ASSISTANCE

(Your teacher will use continuity tester to find out where the reminding two ends of the coil should be soldered)