



Electronics Workshop 1

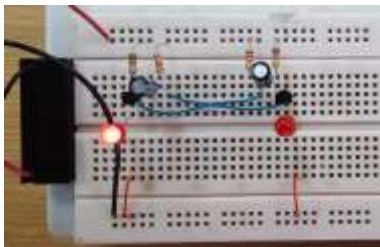
Transistor Flip Flop

Take your first step into the fascinating world of electronics with this hands-on workshop. The workshop take approximately 4-5 hours and is completed in one session.

Book your spot now:
email jaco@electronics123.co.za
call 0796680018.



We start with a bag of tricks which includes all the components (i.e. LED's, PC board, Resistors, Transistors, Capacitor, Batteries etc.) needed to build the transistor flip flop.



Next we test the flip flop circuit on a breadboard.



Our first step to make your own Printed Circuit Board (PCB) is to drill the holes with a drill bit.



Next you draw the tracks on the track side of the PCB.



It looks like magic when we etch the copper away.



It's important to remove the permanent marker ink to reveal the copper tracks.



Now the work on the PCB is finished and you can start populating it with components.



Now the fun begins! Who doesn't like to solder.

With every project we assist you every step of the way and help with fault finding.

Happy Building,
The Electronics123 Team