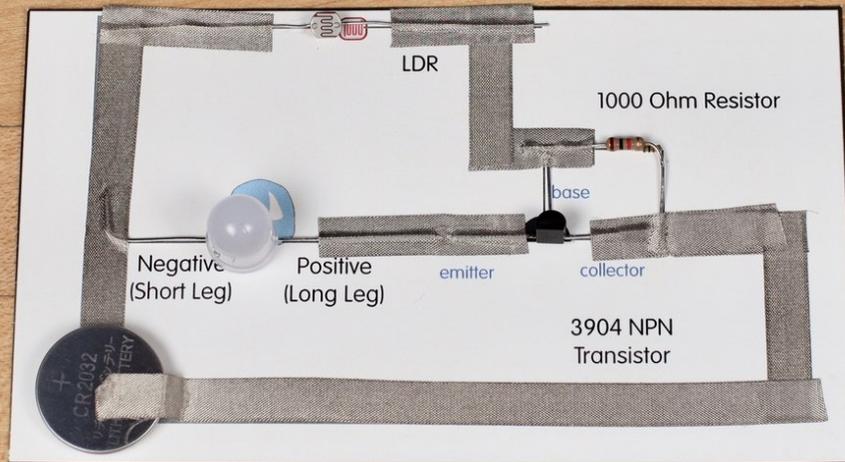




Dark Detecting Transistor Circuit

Using a resistor, a coin-cell battery, a transistor and a light-dependent-resistor, create a light circuit that turns on as it gets dark!

Written By: Andy Wallus



INTRODUCTION

Using a resistor, a coin-cell battery, a transistor and a light-dependent-resistor, create a light circuit that turns on as it gets dark!



TOOLS:

- [Scissors](#) (1)



PARTS:

- [2N3904 NPN Transistor](#) (1)
- [1000 Ohm Resistor](#) (1)
- [Light Dependent Resistor](#) (1)
- [CR2032 Battery](#) (1)
- [Maker Tape, 1/4" Wide](#) (1)
- [Printable Template](#) (1)
- [Jumbo 10mm Diffused LED](#) (1)

Found often in solar garden lights that only turn on when it gets dark, this circuit is surprisingly simple. Now, you've made one yourself! Hooray!