Electronics Learning Journey

OPPORTUNITY INSPIRATION SUCCESS
WEXHAM SCHOOL SPORTS COLLEGE

Making the casing

Assembling and evaluating your product

To do or not to do GCSE D&T

4017 counter

Astable circuit

Monostable circuit

555 timer theory

Explanation of circuit and components used

How To Solder

Revision of soldering techniques

Introduction to the Dice / Prediction game

Making the casing

Assembling and evaluating your product

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Types of LED's and LED calculations

Bending wire to required shape and making hand wand

Theory relating to batteries

Identifying electronic components

Explanation of circuit and components used

Soldering techniques

Theory on resistors

Explanation of PCB's and how to solder

Using 2D Design to create your Night Light

Health and Safety in the workshop

Assembling and evaluating your product

YEAR 8

Making the casing

Introduction to the Steady Hand game

Presentations.

Series and Parallel circuits

Sketches vs Diagrams

welcome

YEAR 7

Ohm's Law

Introduction/explanation of Electronics