create + Examples — Engineering Pathway **Flashing Light Project**

This individual/practical project used <u>technical terms</u> well so was given a 'Merit'

❶ Plan

Success ▼

What are the goals for this project and how will you know if you've achieved them?

This project was to create a flashing light circuit on a breadboard, we found the schematics ourselves on the internet and then found all the components and set it up.

Breakdown ▼

How did your group split-up the tasks to they matched people's strength

First I found all the resistors, capacitors and the 555 timer. Then I put them in roughly the right places and double checked that I had everything. Next I started to put it together.

Method ▼

How did you produce a plan that you would all share? eg Email or Office 365

I will look at the 555 timer plan and then put it together on the breadboard, finally I would attach a battery and check if it works. But if it didn't I would check it over myself first then ask the teacher to help.

❷ Do

First steps ▼

What was your first contribution to the team effort on this project

Found a schematic on the internet for a flashing like circuit using.

New Skills ▼

Give an example of how you worked together to use a new skill on this project

I used a 100K resistor which I'd never used before and first I had to find it then put it in the circuit.

Challenges ▼

Give an example of where your group disagreed and explain how the problem was sorted

At first once I had done my breadboard the light was not flashing but after a quick check with the battery that everything I used worked, I found that the LED wasn't so I changed it.

❸ Reflect

Success ▼

Give reasons why you think your group was successful, or not, & how well you worked together

I think I was successful on this project because at the end of it I had got it working, I stuck to my original ideas and that worked.

Attitude ▼

Explain if you felt more or less anxious working with others & why it feels better or worse than solo projects

It has improved it and has made me keen to do more breadboarding because they're hard to complete but when you do it's a big sense of achievement.

Improvements ▼

Next time you do a group project like this, what would you do differently to improve team spirit?

To check all of the components and that they were working so that when I put the circuit together it all worked.