# Group 1: Square

## Part 1: Getting started

1. Open the Sphero edu app on your ipad and connect it to the Sphero SPRK+
2. Open the programs tab at the bottom of the screen
3. Select the square program for your robots and view the code.
4. Place your robots on the floor

## Part 2: Predict

**Looking at the code, what do you expect the robot to do when you start the program?**

## Part 3: Test

1. Press the green start button at the top of the screen

**Was your prediction correct?**

1. Press the red ‘stop’ button at the top of the screen

## Part 4: Export

1. Use the options button in the top right of the screen to view 'Sensor Data'
2. Tap 'Download CSV Data' and save it to a Google Drive or send it via email

## Part 5: Compare

1. Tap and hold all the delay codes and drag them to the bin at the bottom of the screen
2. Press the green start button at the top of the screen

**How has the movement of the robot changed?**

1. Export the data again

## Part 6: Graph

1. Compare the exported data from the first experiment with the second one.

**Can you see where your observed changes are represented?**

1. Choose an appropriate graphing tool and style to compare the data side-by-side

## Part 7: Present

**Present your graphs and interpretations of your findings to the class.**