# Group 2: Toss & Catch

## 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 *Toss & Catch* 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
2. Toss the robot (gently) into the air and catch it in your hand
3. Press the red ‘stop’ button at the top of the screen

**Was your prediction correct?**

## 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. Take turns to run the program and do the toss and catch.
2. Export the data after each run of the program.

## Part 6: Graph

1. Compare the exported data from each of the experiments.

**Can you see a pattern in the data for each throw?**

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.**