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| Project RJ |
| The Balloon Project |
| Reaching the edge of space |
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| **3/17/2016** |

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# Introduction

During early October 2015, the first ideas were formed from in school science lessons, inspired by the potential of what we could achieve. We set up Project RJ, a new initiative to do fantastic experiments and work on big projects. The first of our projects would involve sending a helium balloon to the edge of space. We started soon after, and started drafted plans. But it took until the 19th November 2015 for the project to truly start moving. On that night we went to the Bishop Ramsey’s career’s fair, where we found out so much information. On that night, we met Professor Konstantinos Banitsas from Brunel University, a specialist in electronics and computer engineering. He has also done a similar project with other university students before. We also met Peter Friese, a developer advocate at Google, who has plenty of experience in coding. Soon after we organised a trip to Brunel, and we started to plan, by finding reading about how the 2 students did their project. A week or two later, we had the chance to visit Google in London Victoria, where we had a tour and discussed our project in more detail and worked on planning our app for the phones.

# Setting up

We had to install Android Studios, an IDE (Integrated Development environment) for Java to make android apps. We went to <http://developer.android.com/sdk/index.html> to download and install, at first it didn’t work because we didn’t install the JDK (Java development kit). This is an essential piece of software as most apps for android are coded in java. So we went on to <http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html> and downloaded the Java SE Development Kit 8u73, once we installed it, we had to manually edit the environment variables in the settings, so that the installer found the java sdk. This part took around an hour of our time,