Virtual Reality report

**Introduction**

My project was Virtual Reality, I focused on creating something in a 3D view. Using a Go Pro, I took pictures around the school and created a 360-degree tour, allowing you to look around different aspects and areas of the school. This theoretically could be viewed in 3D using a headset, but I didn’t personally do this. I also created 3D models in Google Blocks, that I both viewed and created using a headset. I had no prior experience in this area of technology.

**Objectives**

My original idea for this project was to create a game to be played on a headset, however after completing the research task I quickly realised that would be effectively impossible considering my experience, resources and time constraints. After revaluating I decide to set more specific realistic goals. I aimed to complete a virtual tour of the high school. With this my objective was to learn the basics of Virtual Reality and enjoy a more creative side to digital technology. Specific to my exact task I aimed to learn to use the Go Pro 360 Fusion camera to take pictures, fuse them together to make a 360 view and create a virtual tour of all the locations in the pictures.

**Results**

In this project I achieved all I set out to in my objectives and more. Through the original research task, I learnt so much about Virtual Reality. The positives and negatives of using it as well as its multiple practical uses were incredibly interesting and not something I had considered before. I managed to take lots of pictures around the school, fuse them and then select my favourites to make a tour. Using Google Tours these pictures could be used by new students or those considering transferring to see what Taroona High School really looks like. I had a week and a half left once I was done so I tried using the headset and learnt to make simple 3D models.

**Process and Planning**

In order to learn to use these different forms of software, I used YouTube videos. When it was something simple, I asked Mr Morffew for assistance. To plan I looked up all the available software that I had to choose from and chose the easiest free option. After taking pictures I used the software provided by Go Pro to polish and fuse the pictures. Then simply uploaded them into Google Tours and put together the required information. The process was fairly self-explanatory and simple once I understood how to use the software.

**Discussion**

I didn’t encounter any major problems, only small hitches in flow when I had to stop and research how to do something or attempt to find and download the software. These issues all worked themselves out once I understood the correct path of action. I met all my goals, had working time management and enjoyed the process. If I repeated this unit from scratch I could get through more as I now understand it but given it was my first time I wouldn’t have been able to change that. I think I did well on this unit and was proud of everything I produced but more proud of my increased knowledge about this area.