**Recording Studio Project**

**Your finished product should include the following:**

* A minimum of 5 Tracks
* Use of plugins (Compressor, EQ & Amplitube)
* Between 3-5 Minutes in Length

**Value 30**

**Project Evaluation**

Quality of finished product - 10

Use of class time - 10

Quality of Sounds recorded (clipping, Etc) – 10

Be sure to monitor your recording with headphones to ensure that you are capturing high quality audio and avoid clipping.

**Answer the following questions and submit then with your exported Mp3 file:**

**Properties of a Sound Wave**

What is a Sound Wave? (Show diagram and explain how they are produced) (5)

What is frequency? What is it measured in? (2)

What is the range of frequencies that the human ear can hear? (1)

**Digital Sound**

What is Sampling Rate? (1)

What is Bit Rate – 8bit vs 16bit (1)

What is compression? (1)

Why is the MP3 so popular? (1)

List a disadvantage of Analog recording (1)

**Hardware**

What is the difference between a dynamic and condenser microphone? (2)

**Value 15**

**Total 45**