



BTEC Music Technology – Subsidiary Diploma

**Independent Summer Learning -
Introductory Assignment.**



Introduction

- For the BTEC Subsidiary Diploma in Music Technology, you will study 3 units over the year.
- We will be focusing on unit 35 Sound Creation and Manipulation for the summer Introductory Module.

Unit 35 Sound Creation and Manipulation



- The aim of this unit is to develop your abilities to use the functions of synthesisers and samplers
- We will look at the following criteria:
- **Pass** - explain the relationship between acoustic theory and the fundamentals of synthesis
- **Merit** – illustrate the relationship between acoustic theory and the fundamentals of synthesis

What am I actually being asked to do?



- P1, you will provide a simple and elaborated explanation of the fundamentals of synthesis with reference to acoustic theory.
- Elaborating this with reference to examples (recordings of sounds created) will evidence M1

The Terms



Give explanations of the terms below and how they relate to sound/audio

Acoustic theory:

- frequency
- wavelength
- amplitude
- fundamental and harmonics
- integer and non-integer multiples
- instruments e.g. strings, open and closed pipes - (how do they create sound)
- envelope e.g. attack, sustain, decay, release

Include links to pictures/Youtube audio examples in your work

Other Important Information

- You **MUST NOT** copy and paste and if you plagiarise any work from the internet, it will result in a fail.
- Please add a bibliography at the end of your work, stating the websites you have used.
- You can submit your work as a powerpoint or a word document or a Prezi presentation.