Year 12 Example Work – Music Tech

All work can be sent to the Head of Department Mr Cutress at mjc@bournside.gloucs.sch.uk

Practical Work

- Use a DAW (Digital Audio Workstation) of your choice to record or sequence a small section of a song.
  - If you have a piece of software (like GarageBand, Logic or Bandlab) that you're already familiar with please use that.
  - If you've never used anything like that there are free pieces of software and loads of tutorials you can watch on Youtube to help you with that.
    - If you have a Mac or an iPad GarageBand is free
    - If you have a Windows PC Bandlab is free
  - The song you pick can be anything at all and you only have to do a small 30 second section of it when you make your recreation of it.
  - No one is expecting perfection here, what we're looking for is the ability to have a go at recreating something that already exists
    - This could include:
      - Drum parts
      - Keyboards
      - Vocals
      - Guitars
      - Bass
      - Etc

Listening Work
Question 1

Look up and define the following key terms:

1. Audio Interface
2. MP3, ACC, OGG
3. Preamp
4. Equalizer
5. MIDI
6. WAV
7. Looping
8. Sequencer
9. General MIDI
10. XY – Microphone
11. Omnidirectional – Microphone
12. Cardioid – Microphone
13. Distortion
14. Echo
15. Reverb

16. Lowpass Filter
17. Highpass Filter
18. Bandpass filtaer
19. XLR Cable
20. ¼ inch cable
21. Compressor
22. Condenser Microphone
23. Dynamic Microphone
24. Ribbon Microphone
25. Polar Patterns

Question 2

Compare and contrast recordings from 3 different eras:

Pick a piece from each of the following decades – 1950's, 1980's and 2010's.

Compare these three pieces under the following headings:

- **Recording technology**
    - How was the piece recorded?
    - What type of equipment was likely used?
    - How were the performances captured?
- **Instrumentation**
    - Which instruments were used?
    - How are they performed?
    - What equipment was used?
- **Editing**
    - How were the different parts of the recording put together?
- **Use of effects**
    - How were different studio effects used?
    - This could be during the recording process or after in the mixing and mastering stage.
- **Distribution**
    - How was the music listened to by the audience?
    - What physical/digital medium did the audience buy?
    - What equipment was used to play it back?