**Yr 9 - Knowledge Organiser**

**Learn the following key terms…**

**Digital Audio Workstation (DAW**) - A digital audio workstation is an electronic device or application software used for recording, editing and producing audio files.

**Synthesis/synthesisers -** Sound **synthesis** is the technique of generating sound, using electronic hardware or software, from scratch. A synthesizer is an electronic musical instrument that generates audio signals.

**Sampling –** the reuse of a sound recording in another piece of music.

**Mixing -** Audio **mixing** is the process of taking recorded tracks and blending them together. Tracks are blended using various processes such as EQ, Compression and Reverb.

**Compression** – this is the narrowing of the dynamic range of a recording. It is like squeezing the volume levels so the quiet parts become louder and the loudest parts softer.

**Reverb -** one of the oldest of all audio effects, and aims to recreate the natural ambience of real rooms and spaces, almost like an echo.

**EQ –** Equalization, adjusting the volume levels of certain frequencies. For example you can cut out the bass and boost the higher frequencies.

**Quantisation -** using a DAW you can quantise notes, this means if you played them out of time they can be automatically placed in the correct location (in time).

**MIDI -** Musical Instrument Digital Interface, this is a digital instrument.

**Automation -** The DAW will automatically change levels of volume, reverb, effects etc. over time