



Curriculum Map Year 12 Music Technology A Level Year 12

Component 3 ~ Listening and Analysing ~ History of Technology (25% Overall Mark - Examination)

Calendar	Big Question	Small Questions	Assessment Opportunities and Criteria. Teacher Feedback point (TFP)	Homework
Autumn 1 The History of Recording Technology	What is direct to tape mono recording/ machines? (c. 1950 ~ 1963) Week 1 Week 2	What is analogue recording? What is a stereo tape machine? What is a mono production? What is a channel? What is Ambient sound capture? What is microphone placement? What is Balance? What are the pros and cons of Direct to tape mono recordings?	Essay style questions based on Examination Paper 3 'Listening and analysing' at the end of each big question ~ direct to tape mono recording/ machines?	Students creating revision notes/ mind maps/ flow charts ~ direct to tape mono recording/ machines
	What is early Multitrack recording/ machines? (c.1964 - 1969)	What is a multitrack machine? What is a 4-track? What is a basic track? What is microphone placement? What is submixing? What is a stereo ambient recording? What is dropping in and out? What is bouncing down?	Essay style questions based on Examination Paper 3 'Listening and analysing' at the end of each big question ~ early Multitrack recording/ machines	Students creating revision notes/ mind maps/ flow charts ~ early Multitrack recording/ machines

	<p>Week 3</p> <p>Week 4</p> <p>What are large scale analogue multitrack machines? (c.1968 - 1995)</p> <p>Week 5</p> <p>Week 6</p>	<p>What is overdubbing? What is post production? What is synchronisation of tape machines? What is background noise? What are the pros and cons of early multitrack recordings?</p> <p>What are 8 and 16-track machines? What is 2 inch tape? What is overdubbing? What is synchronisation and linking of machines and 48-track recording? What is a channel? What is dynamic processing? What are preamp, compressor and EQ channels? Who are Solid State Logic (SSL) and Neve? What are the pros and cons of large scale analogue multitrack recordings?</p>	<p>Essay style questions based on Examination Paper 3 'Listening and analysing' at the end of each big question ~ large scale analogue multitrack machines</p>	<p>Students creating revision notes/ mind maps/ flow charts ~ large scale analogue multitrack machines</p>
<p>Autumn 2</p> <p>The historical development of other technologies.</p>	<p>What is Digital recording and sequencing? (c.1980 ~ Present)</p> <p>Week 7</p> <p>Week 8</p>	<p>What is digital recording? What are audio signals, binary information and data streams? What is Digital tape? What are convertors? What ADC? What is Moore's Law? What is a sequencer/ synthesiser/ drum machine? What is Control Voltage/ gate? What is MIDI?</p>	<p>Essay style questions based on Examination Paper 3 'Listening and analysing' at the end of each big question ~ Digital recording and sequencing</p>	<p>Students creating revision notes/ mind maps/ flow charts ~ Digital recording and sequencing</p>

<p>What are Digital Audio Workstations (DAW) and emerging Technologies? Digital recording and sequencing? (c.1996 Present)</p>	<p>What is the Atari ST? What is Logic? What is Cubase? What is a DAW?</p> <p>What is DAW? What is Software/ Hardware? What are software emulators? What are artefacts? What is remote collaboration? What is the cloud? What are tablet devices?</p>	<p>Essay style questions based on Examination Paper 3 'Listening and analysing' at the end of each big question ~ Digital Audio Workstations</p>	<p>Students creating revision notes/ mind maps/ flow charts ~ Digital Audio Workstations</p>
<p>Week 9</p>			
<p>Week 10</p>	<p>What is the structure of a guitar? What is a pick up? What is an amplifier? Who was Les Paul? Who are Fender and what is the Telecaster and Stratocaster? Who are Gibson and what is the 'Les Paul'?</p>	<p>Essay style questions based on Examination Paper 3 'Listening and analysing' at the end of each big question ~ Guitar and Bass</p>	<p>Students creating revision notes/ mind maps/ flow charts ~ Guitar and Bass</p>
<p>What is an electric Guitar?</p>			
<p>Week 11</p>	<p>What is the structure of a bass? Who are Fender? What is a precision?</p>		

	<p>What is a Bass Guitar?</p> <p>Week 12</p>			
<p>Spring 1</p> <p>The historical development of other technologies.</p>	<p>What is a Theremin? Week 13</p> <p>What is a Mellotron? Week 14</p> <p>What is an Electric Organ? Week 15</p> <p>What is an Electric Piano? Week 16</p> <p>What is a</p>	<p>Who is Leon Theremin? What is a Theremin? How do you play a Theremin? Which tracks make use of the Theremin?</p> <p>What is a sampler? How does a Mellotron work? Which tracks make use of the Mellotron?</p> <p>What is an Electric Organ? How do electric organs produce and amplify sound? Which tracks use electric organs?</p> <p>What is an Electric Piano? How do electric organs produce and amplify sound? Which tracks use electric organs?</p> <p>What is a Clavinet?</p>	<p>Essay style questions based on Examination Paper 3 'Listening and analysing' at the end of each big question ~ Theremin, Mellotron, EP, EO and Clav.</p>	<p>Students creating revision notes/ mind maps/ flow charts ~ Theremin, Mellotron, EP, EO and Clav.</p>

	<p>Clavinet? Week 17</p> <p>What are amplifiers? Week 18</p>	<p>How do Clavinet produce and amplify sound? Which tracks use Clavinet?</p> <p>How are amplifiers constructed? How do amps work? Who are the famous amp manufacturers? Which famous amps are used on important tracks?</p>	<p>Essay style questions based on Examination Paper 3 'Listening and analysing' at the end of each big question ~ amplifiers</p>	<p>Students creating revision notes/ mind maps/ flow charts ~ amplifiers</p>
<p>Spring 2 Consumer Technology Formats</p>	<p>What is Vinyl? Week 19</p> <p>What is Cassette? Week 20</p> <p>What is CD? Week 21</p>	<p>What is the history of vinyl? How is vinyl manufactured? How does vinyl work - record and produce sound? What are the pros and cons of vinyl? What are the important tracks relating to vinyl production and use?</p> <p>What is the history of cassette? How is cassette manufactured? How does cassette work - record and produce sound? What are the pros and cons of cassette? What are the important tracks relating to cassette production and use?</p> <p>What is the history of the CD? How is a CD manufactured?</p>	<p>Essay style questions based on Examination Paper 3 'Listening and analysing' at the end of each big question ~ Vinyl, Cassette & CD</p>	<p>Students creating revision notes/ mind maps/ flow charts ~ Vinyl, Cassette & CD</p>

<p>What is Minidisk? Week 22</p> <p>What are the Compressed Digital Formats? What is a MP3 Player? Week 23</p> <p>What are the Mobile phone Technologies? Week 24</p>	<p>How does a CD work - record and produce sound? What are the pros and cons of CD? What are the important tracks relating to CD production and use?</p> <p>What is the history of the Minidisk? How is a Minidisk manufactured? How does a Minidisk work - record and produce sound? What are the pros and cons of Minidisk? What are the important tracks relating to Minidisk production and use?</p> <p>What is the history of the MP3? How is a MP3 player manufactured? How does a MP3 player work - record and produce sound? What are the pros and cons of MP3 players? What are the important tracks relating to MP3 players production and use?</p> <p>What is the history of the mobile phone technologies? How does a mobile phone player work - record and produce sound? What are the pros and cons of mobile phone? What are the important tracks relating to mobile phone players ~ production and use?</p>	<p>Essay style questions based on Examination Paper 3 'Listening and analysing' at the end of each big question ~ Minidisk, MP3 & mobile phone.</p>	<p>Students creating revision notes/ mind maps/ flow charts ~ Minidisk, MP3 & mobile phone.</p>
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<p>Summer 1</p> <p>Effects and processors</p>	<p>What are the historic types of Delay?</p> <p>Week 25</p> <p>Week 26</p> <p>What are the historic types of Reverb?</p> <p>Week 27</p> <p>Week 28</p> <p>What are the historic types of Compression?</p> <p>Week 29</p> <p>Week 30</p>	<p>What is line delay? What is slap back delay? What is oil can delay? What is tape delay? What is bucket brigade delay? What is Solid State delay? What is Digital Delay?</p> <p>What is plate reverb? What is spring reverb? What is the EMT 250? What is the Lexicon 224?</p> <p>What is digital reverb? What is convolution reverb and the DRE S777</p> <p>What is the historical use of the compressor? How did radio companies use Compressors/ limiters? What were the loudness wars? Who are the main pioneers in compressors?</p>	<p>Essay style questions based on Examination Paper 3 'Listening and analysing' at the end of each big question ~ Delay.</p> <p>Essay style questions based on Examination Paper 3 'Listening and analysing' at the end of each big question ~ Reverb.</p> <p>Essay style questions based on Examination Paper 3 'Listening and analysing' at the end of each big question ~ Compression.</p>	<p>Students creating revision notes/ mind maps/ flow charts ~ Delay.</p> <p>Students creating revision notes/ mind maps/ flow charts ~ Reverb.</p> <p>Students creating revision notes/ mind maps/ flow charts ~ Compression.</p>
<p>Summer 2</p>	<p>What is Mastering?</p> <p>Week 31</p>	<p>What is noise reduction? What is stereo width in mastering? What is reverb in mastering? What is EQ in mastering?</p>	<p>Essay style questions based on Examination Paper 3 'Listening and analysing' at the end of each big question ~ Mastering.</p>	<p>Students creating revision notes/ mind maps/ flow charts ~ Mastering.</p>

What is technical Numeracy in music production?
Week 32

Week 33

Week 34

Week 35

Week 36

What is limiting in mastering?
What are fades in mastering?

What are waveform graphs?

What are Linear and logarithmic scales?

What is Peak and RMS in terms of measuring loudness?

What is Period?

What are the formulas relating to musical frequencies and musical intervals?
What are the frequencies from the harmonic series?

How do you calculate delay time from BPM?
How does one convert between decimal and binary?

Essay style questions based on Examination Paper 3 'Listening and analysing' at the end of each big question ~ **Numeracy.**

Students creating revision notes/ mind maps/ flow charts ~ **Numeracy.**