2009 Music with Technology

Intermediate 1, Intermediate 2
Higher, Advanced Higher

Finalised Marking Instructions

Music with Technology (X233)

Summary of minimum requirements

	Folio contains:	Centre Prepares	SQA Samples
Intermediate 1	Performing Instrument/Voice	4 mins	3 mins
	MIDI Sequenced Composition (minimum 4 tracks)	2 mins	
	Sound Engineering & Production (minimum 4 parts)	3 mins (2 pieces)	
Intermediate 2	Performing Instrument/Voice	4 mins	3 mins
	MIDI Sequenced Composition (minimum 4 tracks)	2 mins	
	Sound Engineering & Production (minimum 4 parts and at least one of the tracks in each piece must use a mic)	4 mins (2 pieces)	
Higher	Performing Instrument/Voice	5 mins	3 mins
	MIDI Sequenced Composition (minimum 4 tracks)	3 mins	
	Sound Engineering & Production (minimum 5 parts and at least one of the tracks in each piece must use a mic)	6 mins (2 pieces)	
Advanced Higher	Performing Instrument/Voice	10 mins	6 mins
	MIDI Sequenced Composition (minimum 6 tracks including one or more digital audio parts)	3 mins	
	Sound Engineering & Production (minimum 8 parts and at least one of the tracks in each piece must use a mic; knowledge of digital audio should be evident) **OR** (stereo techniques master recording of four or more musicians using four or more microphones)	6 mins (2 pieces) 6 mins (2 pieces)	

Additional points for guidance

In submitting Music with Technology folios, separate submissions should be made for each candidate and should be clearly labelled with the candidate's name.

If centres choose to submit a CD with the work of several candidates, with tracks carefully labelled and named, this is considered acceptable. Submitting an audio cassette of recordings may not show candidate work to full advantage and runs the risk of potential confusion when trying to ascertain the location of each candidate's work.

If adopting the above approach with CDs, centres are advised to submit a different CD for each level being presented (and each area of Technology, ie MIDI Sequencing only or Sound Engineering and Production only).

Where the term 'tracks' is used in Sound Engineering and Production Course and Units, centres should be aware that several microphones used for one instrument equals one track when considering the requirements at each level. Examples include a drum kit recorded with multiple microphones which would only count as one 'track' where the requirements at Higher level are for 'five or more tracks and at least one of the tracks in each piece must use a microphone'. Similarly a recording of a piano using two microphones would count as one 'track'.

COURSE ASSESSMENT CRITERIA: PERFORMING

PERFORMANCE ASPECTS	CRITERIA	PIECE NUMBER								MARKS RANGE
		1	2	3	4	5	6	7	8	
Melodic accuracy/intonation	Excellent level									
Rhythmic accuracy	Excellent level									
Tempo and flow	Appropriate and musically convincing									
Dynamics	Convincing									**9-10**
Mood and character	Conveyed with sensitivity									
Tone	Confident, convincing and well-developed instrumental/vocal sound									
SUMMARY	**A convincing and stylish performance which demonstrates sound technique**									
Melodic accuracy/intonation	Secure									
Rhythmic accuracy	Secure									
Tempo and flow	Appropriate and consistent									
Dynamics	Effective									**7-8**
Mood and character	Conveyed securely									
Tone	Secure and effective control of instrumental/vocal sound									
SUMMARY	**A secure performance musically and technically**									
Melodic accuracy/intonation	Mainly accurate and generally in tune									
Rhythmic accuracy	Mainly accurate									
Tempo and flow	Appropriate and mainly consistent									
Dynamics	Some contrast									**5-6**
Mood and character	Conveyed with some success									
Tone	Some evidence of development and control									
SUMMARY	**A satisfactory performance displaying sufficient technical and musical control**									
Melodic accuracy/intonation	Inconsistent and/or passages of poor intonation									
Rhythmic accuracy	Inconsistent									
Tempo and flow	Inappropriate speed and/or some breaks in continuity									
Dynamics	Not observed satisfactorily									**3-4**
Mood and character	Not conveyed satisfactorily									
Tone	Undeveloped									
SUMMARY	**The performance lacks sufficient technical and/or musical skill to communicate the sense of the music**									
Melodic accuracy/intonation	Frequent inaccuracies and/or consistently poor intonation									
Rhythmic accuracy	Frequent inaccuracies									
Tempo and flow	Totally inappropriate speed and/or frequent stumbling									
Dynamics	Ignored									**0-2**
Mood and character	Not conveyed									
Tone	Poor									
SUMMARY	**A poor performance with little or no evidence of required technical and/or musical ability**									
Additional comments:	**PIECE NUMBER/MARKS**	1	2	3	4	5	6	7	8	**0-10**
	FINAL SCALED MARK /30									

COURSE ASSESSMENT CRITERIA: SOUND ENGINEERING AND PRODUCTION

PERFORMANCE ASPECTS	CRITERIA	PIECES		MARKS RANGE
		1	**2**	
Recording of individual tracks (incl. microphone placement)	Excellent level of accuracy and audio quality			**9-10**
Use of controls, effects, processes	Excellent; demonstrates flair			
Mix	Excellent			
Session log	Well maintained and completely informative			
Musical performance – pitch, rhythm, dynamics ensemble	Convincing in all respects			
Recording to media	Totally secure			
SUMMARY	**A convincing and stylish production which demonstrates appropriate musical awareness**			
Recording of individual tracks (incl. microphone placement)	Secure			**7-8**
Use of controls, effects, processes	Secure			
Mix	Appropriate			
Session log	Appropriate; most of the required information present			
Musical performance – pitch, rhythm, dynamics ensemble	Mainly effective			
Recording to media	Secure naming of tracks and saving of information			
SUMMARY	**A secure production musically and technically**			
Recording of individual tracks (incl. microphone placement)	Mainly secure though containing some errors; overall satisfactory			**5-6**
Use of controls, effects, processes	Mainly secure but at a basic level			
Mix	Generally appropriate			
Session log	Satisfactory level of information; mostly appropriate			
Musical performance – pitch, rhythm, dynamics ensemble	Overall success, though some aspects unsatisfactory			
Recording to media	Overall success, though some aspects unsatisfactory			
SUMMARY	**A satisfactory production displaying sufficient technical and musical control**			
Recording of individual tracks (incl. microphone placement)	Inconsistent, contains errors			**3-4**
Use of controls, effects, processes	Inconsistent			
Mix	Inconsistent			
Session log	Lacks most of the required evidence			
Musical performance – pitch, rhythm, dynamics ensemble	Inconsistent evidence of musical understanding			
Recording to media	Generally unsatisfactory; some limited success			
SUMMARY	**Production lacks sufficient technical and musical skill to communicate the sense of the music**			
Recording of individual tracks (incl. microphone placement)	Frequent inaccuracies; musical coherence is not maintained			**0-2**
Use of controls, effects, processes	Little or no use made			
Mix	Totally lacking in musical understanding			
Session log	No evidence or inaccurate statements			
Musical performance – pitch, rhythm, dynamics ensemble	No sense of musical understanding			
Recording to media	Poor			
SUMMARY	**Poor production with little or no evidence of required technical and musical ability**			
Additional comments:	**INDIVIDUAL MARKS**			**0-10**
	FINAL MARK /30			

Additional reference materials for MIDI markers

The following statements are taken from the appropriate Performing with Technology Units.

At Advanced Higher Level:

Where appropriate, you will know how to use the following to enhance the music you are entering into the sequencer or an audio track:

- ambience
- auxiliary send/return
- crossfade
- envelope (ADSR)
- EQ and parametric equalizer
- flanging
- gate (noise) and gated reverb
- harmoniser
- limiter
- line and mic levels
- normalize
- phaser
- synchronisation
- time compression and time expansion
- transient.

At Higher Level:

(a)   You will learn how to use these Controllers:

- aftertouch
- delay
- expression
- portamento.

(b)   Where appropriate, you will know how to use the following to enhance the music you are entering into the sequencer:

- distortion
- nudge
- pitch shifter.

At Intermediate 2 Level:

(a)   You will learn how to use these Controllers:

- chorus depth
- pitch bend
- tremolo.

(b)   Where appropriate you will know how to use the following to enhance the music you are entering into the sequencer:

- chorus (effect)
- fade in
- fade out
- fader and master fader
- local
- key command
- merge
- mix(down)
- mono(phonic)
- multi-timbral
- overdub
- punch in/out, drop in/out
- remix
- stereo(phonic).

At Intermediate 1 Level:

(a)   You will learn how to use these Controllers:

- modulation controller
- reset controller
- reverb(eration)
- sustain.

(b)   Where appropriate you will know how to use the following to enhance the music you are entering into the sequencer:

- dynamics/expression
- effects (FX)
- general (MIDI)
- key change/transpose/modulation
- level
- loop
- MIDI channel
- MIDI thru
- pitch
- programme change
- quantization
- snap
- solo
- time signature
- track list.

COURSE ASSESSMENT CRITERIA: MIDI SEQUENCING

PERFORMANCE ASPECTS	CRITERIA	PIECE	MARKS RANGE
Recording of audio track(s)	Excellent		
Note programming	Excellent		
Set up of tracks	Excellent level of skill		
Use of effects/programme controls	Imaginative and totally appropriate		**9-10**
Development of musical ideas	Appropriate and musically convincing		
Balance of parts/mix	Imaginative and highly effective		
File management	Totally secure naming of tracks and saving of information		
SUMMARY	**A convincing and stylish production demonstrating appropriate musical awareness.**		
Recording of audio track(s)	Secure		
Note programming	Secure		
Set up of tracks	Secure		
Use of effects/programme controls	Appropriate		**7-8**
Development of musical ideas	Appropriate		
Balance of parts/mix	Effective		
File management	Secure naming of tracks and saving of information		
SUMMARY	**A secure production musically and technically**		
Recording of audio track(s)	Mainly secure, containing some errors, overall satisfactory		
Note programming	Mainly secure, containing some errors, overall satisfactory		
Set up of tracks	Mainly secure but basic		
Use of effects/programme controls	Some evidence of use		**5-6**
Development of musical ideas	Some contrast but lacking in musical development		
Balance of parts/mix	Balance works overall		
File management	Basic and perhaps limited. Some valid information saved.		
SUMMARY	**A satisfactory production displaying sufficient technical and musical control**		
Recording of audio track(s)	Inconsistent and containing errors		
Note programming	Inconsistent and containing errors		
Set up of tracks	Inconsistent		
Use of effects/programme controls	Inappropriate use of effects and controls		**3-4**
Development of musical ideas	Lacks contrast and development		
Balance of parts/mix	Not conveyed satisfactorily		
File management	Generally unsatisfactory		
SUMMARY	**Production lacks adequate technical/musical skill to convey the musical sense**		
Recording of audio track(s)	Frequent errors; musical coherence is not maintained		
Note programming	Frequent inaccuracies; musical coherence is not maintained		
Set up of tracks	Frequent inaccuracies		
Use of effects/programme controls	Totally lacking at any point in the piece		**0-2**
Development of musical ideas	No attempt at contrast or development		
Balance of parts/mix	No attempt to balance the parts; many obvious errors		
File management	No file management evident		
SUMMARY	**A poor production; little or no evidence of required technical and musical ability**		

Additional comments:		
	MARK /10	
	FINAL MARK /30	

[END OF MARKING INSTRUCTIONS]