

Being Creative in Junior Cycle Music



The student...

creates, appreciates and critically interprets a wide range of texts creates and presents artistic works and appreciates the process and skills 8

involved

heritage, understands the importance of the relationship between the past and current 08 values local, national and international events & the forces that drive change describes, illustrates, interprets, predicts and explains patterns and relationships

brings an idea from conception to realisation uses technology and digital media tools to learn, communicate, work and think collaboratively and creatively in a responsible and ethical manner











Inclusive Education

Choice & Flexibility



PRINCIPLES OF JUNIOR CYCLE REFORM

Creating Music provides opportunities for students to...

- collaborate with others on creative endeavours
- express themselves in a non-verbal context
- communicate effectively and with confidence
- develop an understanding of the relationship between music and societies
- reflect on their progress and their musical choices



Underlying and informing the Composition Portfolio is a focus on the developmental nature of creating and composing, and on developing student's understanding of this creative and often imaginative process

... Assessment Guidelines, p.13

The collection of student compositions promotes engagement when students...

- draw on their personal experiences and perspectives to develop, refine, showcase and seek feedback on their musical ideas
- identify and choose the stimulus for the creative work
- choose the format(s) in which to create the piece of music
- develop their ideas through engagement with other aspects of the music course
- collaborate through the discussion and exploration of ideas and motifs

Digital Learning – Key Documents







Junior Cycle Music Assessment Guidelines



Digital Strategy for schools (2015 – 2020)



Digital Learning Planning Guidelines



- Why are we using digital technology to support the learning?
- How might these tools support the learners and the learning?
- What technology do we need to realise this learning?



Support understanding of how to create music

Evidence of Learning
Create and play back a
short musical phrase
with an accompanying
rhythmic ostinato

SONG MAKER Restart About Tompo Bo Marinba Electronia

g.co/songmaker



- **1.1** compose and **perform or play back** short musical phrases and support these phrases by creating rhythmic/melodic/harmonic ostinati to accompany them
- 1.5 read, interpret and play from symbolic representations of sounds
- 1.6 listen to and transcribe rhythmic phrases of up to four bars and melodic phrases of up to two bars















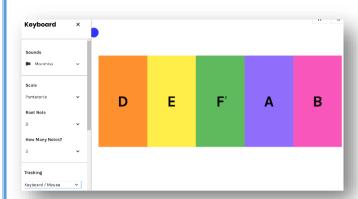




Develop creative ideas through engagement with other aspects of the course



2.1 experiment and improvise with making different types of sounds on a sound source and notate a brief piece that incorporates the sounds by devising symbolic representations for these sounds



experiments.withgoogle.com

- Set Root Note to D
- Number of notes to 5
- Colour coded notes
- Play notes using the keys, mouse, face or body
- Notate using Musescore / Manuscript



1.6 <u>listen to</u> and transcribe rhythmic phrases of up to four bars and melodic phrases of up to two bars



Musescore 3.4 Beta – latest version update December 2019

- 1. Input four-bar melody using Mouse, Qwerty or MIDI interface
- 2. File Export Save as type mp3 Save into named Class Folder e.g., JC 2021 Aural Skills
- 3. Open Audacity / Garageband Create Click Track
- 4. Import mp3
- 5. You can now share mp3 with your students via email and/or virtual learning environment (VLE) for students to independently practise their aural skills
- 6. For student aural skills worksheet, go back into MuseScore Make notes in Bar 3 invisible select note + press V
- 7. Students will use this file while listening to their MP3 file to fill in the missing melody and rhythm in bars 3 and 4

To progress the Learning: Students may...

- transcribe the complete four bars into their music manuscripts (music literacy)
- go on to create their own 4-bar melody through listening and transcribing
- build up a database of melodic dictations and their own created melodies for their portfolios

Build your Digital Skills www.jct.ie

How to apply a Plugin
How to Import and Export an MP3



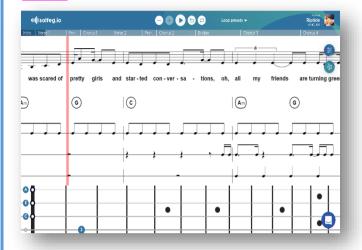
Develop creative ideas through engagement with other aspects of the course



1.12 indicate where chords changes occur in extracts from a selection of songs



2.4 rehearse and present a song or brief instrumental piece, identify and discuss the performance skills and techniques that were necessary to interpret the music effectively



Solfeg.io

- 1. Choose Song Search by name or filter
- 2. Select Instrument rhythm, chords, vocal
- 3. Select *Visual Controls* to confirm instrument visuals and chords



Select Sound Controls to mute tracks for backing track use



5. Start playing



2.8 analyse the chordal structure of excerpts from **a** range of **song**s and compile a list of songs with similar chord structures and progressions

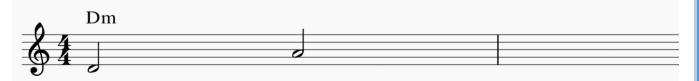
Evidence of Learning
Listen to your favourite
song. In pairs choose
chords to fit your song.
Perform or Play back
your chosen chords.



musiclab.chromeexperiments.com



Support understanding of how to create music



Compose the next note.

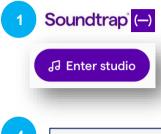
Choose a chord to play with this note.



Support understanding of how to edit music

Ⅲ Show Instrument

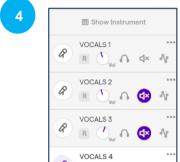
3.9 investigate the influence of processing effects (e.g., distortion, reverb, compression) on the recording process; select some recordings and evaluate the use and effectiveness of such effects within them











Mute tracks 2, 3 & 4



Processing effects

R (), A 48

A series of mechanical or technological operations on a recording process that modifies the original sound inputted

Compression

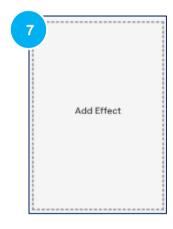
A processing effect used in mixing or recording to control and reduce the dynamic range of the music

Reverb

A processing effect where the sound produced by an amplified musical instrument is made to reverberate; an echo effect used to recreate the natural effects of room reverberation

Distortion

Change in the form of an electrical signal or sound wave during processing; alter the sound of amplified electric music instruments and most associated with the electric guitar





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Using Digital Learning Technologies in Junior Cycle Music

How to apply a Processing FX



Using DLT in Junior Cycle Music

Notes			



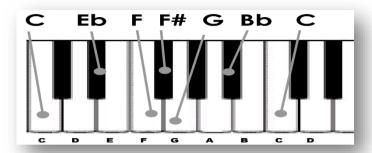
Support understanding of how to create music



3.3 make a study of a particular contemporary or historical musical style; analyse its structures and use of musical devices, and describe the influence of other styles on it

Evidence of Learning Create a piece of music in the style of the blues

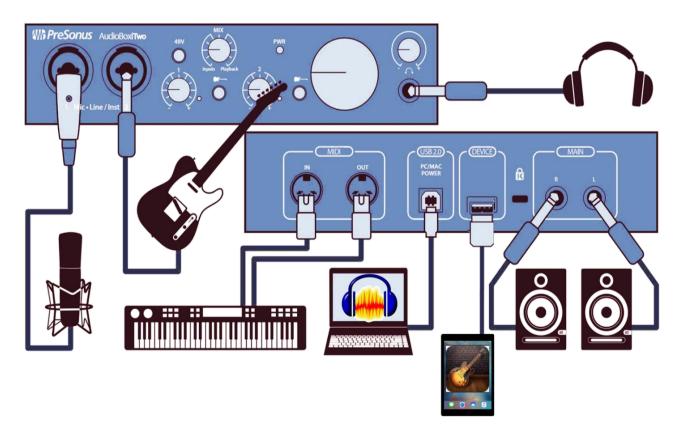




I	I	I	I
IV	IV	I	I
V	IV	I	I



Experience the learning using Extension Hardware





Support understanding of how to create music

Evidence of Learning Compose and record an advertising jingle for radio (15 secs) or TV (30 secs) for 'Krispey Kreme'. Record your jingle.







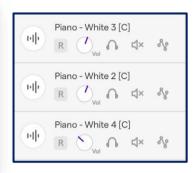






3.4 compose and perform an original jingle or brief piece of music for use in a new advertisement for a product, and record the composition









1.2 create and present a short piece, using instruments and/or other sounds in response to a stimulus

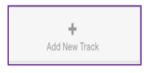




Select loops - drag and drop into your piece



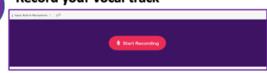
Add track for vocal line



Select voice & microphone 5



Record your vocal track



If you are recording into the track, make sure that R is ticked



You can place in fade in & fade out



Save Project



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Using Digital Learning Technologies in Junior Cycle Music How to edit Video

Software to support the learning

Audacity	Cross-platform notation software and open source. Supports a wide variety of file formats and input methods Cross-platform audio recorder and editor Free and open source	 Enables students to Create, input and notate their own music explore speed, time signatures, instruments, repeats, loops add melody, bassline and accompaniment listen to what they have created and make musical edits Enables students to record live audio through a mic or mixer import, edit and combine sound files export recordings in many different file formats cut, copy, paste, splice or mix sounds together add processing effects including changing speed and/or pitch
Garageband	Garageband is Apple's sound recording and mixing software Compatible for macOS and iOS devices	 Enables students to explore realistic smart instruments create loops and explore existing loops build their own original arrangements Create using virtual drum kits and drag-and-done Smart Drums Add processing effects
Chrome SongMaker	Song Maker in Chrome Music Lab, is a simple way to make and share a song	 Enables students to sing live into computer microphone. SongMaker will recognise the pitch and notate accordingly create loops using a variety of rhythms and melody instruments set length, number of beats per bar and split beats
Creatability Google Experiments	A simple musical keyboard you can play with your face, body, mouse or keys	 Enables students to play and hear notes using the keys, mouse, face or body customise a scale and the number of notes on the screen control other instruments using a MIDI device
(—) Soundtrapi	Soundtrap is a digital audio workstation accessible directly in any browser Free cross-platform music software	 Enables students to collaboratively create and edit music projects select from a choice of inputs: computer mic, importing sounds, connecting MIDI devices or Soundtrap's built in instruments explore and create with a range of loops record, playback, change tempo and key signature experiment and apply a range of processing effects including distortion, reverb, compression, vibrato, chorus, delay etc
solfeg.io	Web-based audio player that simultaneously enables chords, rhythm and melody to be played	 Enables students to pick a song and practice the skill of performance decrease speed. Loop parts use lead sheets, tablature and lyrics create Backing Tracks for performance practice
Flat.io /// Flat	Flat.io is a web-browser composition programme that allows you to create, edit and share music scores	 Enables students to collaboratively create and edit music search for arrangements of music in the library Create, input and notate their own music explore speed, time signatures, instruments and effects listen to what they have created and make musical edits export music to Soundtrap

Extension Hardware

Audio-Interface

PreSonus Audiobox iTwo

Enables student to...



- is used to make good quality home recordings. It is an external sound card with inputs for mics and instruments
- USB 2.0/iPad/Audio/MIDI Interface & Accessory Bundle
- 2x XLR/Audio jack inputs
- 2x Balanced ¼" TRS Line Outputs
- Stereo Headphone output
- 24-bit, 96kHz digital converters
- Class A Pre-Amplifier & +48V Phantom Power

- create quality recordings
- record instruments
- mix and master their recordings
- create Podcasts
- create sound effects for video
- connect to MIDI controller
- reduce recording lag time

Microphone



Three main types of microphone and each has its own unique sound and strengths

1.DYNAMIC: Versatile and will take wear and tear. Not particularly sensitive which makes them perfect for loud sources. Useful for snare drums and guitar amps. They are cardioid meaning the mic picks up sound in the direction it is bring pointed and cancels out any sound coming from behind it. Can use dynamic mic on almost everything but be aware the sound will not be as accurate or 'pretty' as a condenser mic

2.CONDENSER: Powerful, more balanced, accurate and 'sweeter' sounding. Much more sensitive, which makes them perfect for softer and brighter sounds. Condensers give extra 'air' to what they pick up, making them sound less muffled than a dynamic. They have switches that change their patterns. Cardioid as before. Bidirectional, which picks up sound from the front AND back, while cancelling out sounds on the sides. Omnidirectional which picks up sound from all over, cancelling nothing. Two types:

Diaphraam for full-bodied instruments and **pencil** for brighter instruments. **NOTE**: they need 48V of power to work (PhantomPower), make sure your interface has this option.

3.RIBBON: Most sensitive so meant to be used on softer sounds, like voice or strings. Fragile and can be expensive. They are bidirectional so better used in a room that is well treated to lower the amount of room sound that is captured.

For 'home' recordings dynamic and/or condensers mics should be sufficient.

MIDI Keyboard



M-Audio Keystation 49 MK3

- USB powered 49 Key MIDI controller
- Software Addition: Pro Tools, Ableton lite etc
- A MIDI keyboard or controller keyboard is a piano-style electronic musical keyboard

Enables students to...

• record and input music into music software

Headphone splitters





• A headphone splitter is a device that allows two or more headphones to be connected through to one audio jack

Enables students to...

• Listen to, collaborate and edit pieces of music on the same computer

Keep the conversation going!

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