

# Unit 10: In-Depth Developmental Music Theory with a Focus on Application–Music Technology

Content Area: **Template**  
Course(s):  
Time Period:  
Length:  
Status: **Published**

## State Mandated Topics Addressed in this Unit

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N/A	N/A

## Unit Name

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## Learning Objectives

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- Students will be able to accurately demonstrate and apply sequencing music as a compositional and arranging tool.
- Students will be able to accurately demonstrate and apply specific knowledge and skills in music theory, music history, and ear training.
- Students will be able to accurately demonstrate and apply specific techniques for playing the piano or other electronic musical keyboards.
- Students will be able to accurately demonstrate and apply their knowledge and skills acquired in the Pro Tools 101 Course, culminating in certification.
- Students will be able to accurately demonstrate and apply their skills in creating recording software sessions
- Students will be able to accurately demonstrate and apply their skills in mastering and mixing audio and MIDI in recording software.
- Students will be able to accurately demonstrate and apply their skills in mixing and bouncing audio files, MIDI files, and video files.
- Students will be able to accurately demonstrate and apply their skills in routing inputs, outputs, sends, and returns in recording software.
- Students will be able to accurately demonstrate and apply their skills in using plug-ins to edit and mix audio
- Students will be able to accurately demonstrate and apply their skills to achieve Pro Tools User Certification
- Students will be able to accurately demonstrate and apply their understanding of, and skills in, using and mastering Pro Tools software
- Students will be able to accurately demonstrate and apply their understanding of, and skills in, using basic software controls in music production

- Students will be able to accurately demonstrate and apply their understanding of, and skills in, using interfaces in music production
- Students will be able to accurately demonstrate and apply their understanding of, and skills in, using recording techniques.
- Students will be able to accurately demonstrate and apply their understanding of, and skills in, using virtual instruments and plug-ins in music production
- Students will be able to accurately demonstrate and apply written music printing techniques at a publisher's quality level.
- Students will be able to accurately demonstrate their skills and knowledge through various assessment procedures, including teacher observation, participation in performance, discussions, peer observation, classwork/homework, tests/quizzes, the Pro Tools 101 Exam, the Pro Tools 110 Exam, and the Pro Tools User Exam
- Students will continue to become computer literate musically as they increase their comfort of using available technology.
- Students will correctly demonstrate, perform, identify, discuss, analyze, compare, draw, recognize, spell, transcribe, transpose or compose Researching specific information about the profession of music past.

## Essential Skills

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- Students will correctly demonstrate, perform, identify, discuss, analyze, compare, draw, recognize, spell, transcribe, transpose or compose , Assessment Procedures: Teacher observation, participation in performance, discussions, peer observation, classwork/homework, tests/quizzes, Pro Tools 101 Exam, Pro Tools 110 Exam, Pro Tools User Exam.
- Students will correctly demonstrate, perform, identify, discuss, analyze, compare, draw, recognize, spell, transcribe, transpose or compose Creating recording software sessions.
- Students will correctly demonstrate, perform, identify, discuss, analyze, compare, draw, recognize, spell, transcribe, transpose or compose Improving specific knowledge and skills in music theory, music history, and ear training.
- Students will correctly demonstrate, perform, identify, discuss, analyze, compare, draw, recognize, spell, transcribe, transpose or compose Learning specific techniques for playing the piano or other electronic musical keyboard.
- Students will correctly demonstrate, perform, identify, discuss, analyze, compare, draw, recognize, spell, transcribe, transpose or compose Learning written music printing techniques at a publisher's quality level.
- Students will correctly demonstrate, perform, identify, discuss, analyze, compare, draw, recognize, spell, transcribe, transpose or compose Mastering and mixing audio and MIDI in recording software.
- Students will correctly demonstrate, perform, identify, discuss, analyze, compare, draw, recognize, spell, transcribe, transpose or compose Mixing and bouncing audio files, MIDI files, and video files.
- Students will correctly demonstrate, perform, identify, discuss, analyze, compare, draw, recognize, spell, transcribe, transpose or compose Pro Tools 101 Course and Certification.
- Students will correctly demonstrate, perform, identify, discuss, analyze, compare, draw, recognize, spell, transcribe, transpose or compose Pro Tools User Certification.
- Students will correctly demonstrate, perform, identify, discuss, analyze, compare, draw, recognize, spell, transcribe, transpose or compose Researching specific information about the profession of music past.
- Students will correctly demonstrate, perform, identify, discuss, analyze, compare, draw, recognize, spell, transcribe, transpose or compose Route inputs, outputs, sends, and returns in recording software.

- Students will correctly demonstrate, perform, identify, discuss, analyze, compare, draw, recognize, spell, transcribe, transpose or compose Sequencing music as a compositional or an arranging tool.
- Students will correctly demonstrate, perform, identify, discuss, analyze, compare, draw, recognize, spell, transcribe, transpose or compose Understand and use virtual instruments and plug-ins.
- Students will correctly demonstrate, perform, identify, discuss, analyze, compare, draw, recognize, spell, transcribe, transpose or compose Understanding and using basic software controls.
- Students will correctly demonstrate, perform, identify, discuss, analyze, compare, draw, recognize, spell, transcribe, transpose or compose Understanding and using interfaces.
- Students will correctly demonstrate, perform, identify, discuss, analyze, compare, draw, recognize, spell, transcribe, transpose or compose Understanding, learning, and using recording techniques.
- Students will correctly demonstrate, perform, identify, discuss, analyze, compare, draw, recognize, spell, transcribe, transpose or compose Understanding, learning, using and mastering Pro Tools Software.
- Students will correctly demonstrate, perform, identify, discuss, analyze, compare, draw, recognize, spell, transcribe, transpose or compose Using plug-ins to edit and mix audio.

## Standards

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MU.9-12.1.3E.12adv.Cr1a	Generate melodic, rhythmic and harmonic ideas for compositions and improvisations that incorporate digital tools and resources.
MU.9-12.1.3E.12adv.Cr3a	Develop and implement varied strategies and apply appropriate criteria to improve and refine the technical and expressive aspects of draft compositions and improvisations.
MU.9-12.1.3E.12adv.Cr3b	Share a portfolio of musical creations representing varied styles and genres that demonstrates musical and technological craftsmanship as well as the use of digital and/or analog tools and resources in developing and organizing musical ideas.
MU.9-12.1.3E.12adv.Pr4a	Develop and apply criteria to select varied programs to study and perform based on interest, an understanding of the musical characteristics, expressive challenges in the music, and the performer's musical skill using digital tools and resources.
MU.9-12.1.3E.12adv.Pr4b	Examine, evaluate and critique how context, musical aspects of the composition and digital media/tools inform prepared and improvised performances.
MU.9-12.1.3E.12adv.Pr4c	Demonstrate how understanding the style, genre, context, and integration of digital technologies in a varied repertoire of music informs and influences prepared and improvised performances and their ability to connect with audiences.
MU.9-12.1.3E.12adv.Pr5a	Apply appropriate criteria as well as feedback from multiple sources and develop and implement varied strategies to improve and refine the technical and expressive aspects of prepared and improvised performances in varied programs of music.
MU.9-12.1.3E.12adv.Pr6a	Integrating digital and analog tools and resources, demonstrate an understanding and attention to technical accuracy and expressive qualities of the music in prepared and improvised performances of a varied repertoire of music representing diverse cultures, styles, genres, and historical periods.
MU.9-12.1.3E.12adv.Re7a	Select, describe and compare a variety of musical selections based on characteristics and knowledge of the music, understanding of digital and electronic aspects, and the purpose and context of the works.
MU.9-12.1.3C.12adv.Re7a	Use research and personally developed criteria to justify choices made when selecting music, citing knowledge of the music and individual and ensemble purpose and context.
MU.9-12.1.3C.12adv.Re7b	Demonstrate and justify how the analysis of structures, contexts and performance decisions inform the response to music.
MU.9-12.1.3E.12adv.Re7b	Justify (by using examples) how an analysis of the structural characteristics, context, and technological and creative decisions, informs interest in and response to the music.

MU.9-12.1.3E.12adv.Re8ea	Examine and cite research from multiple sources to connect the influence of the elements of music, digital and electronic features, context, purpose, and other art forms to the expressive intent of musical works.
MU.9-12.1.3E.12adv.Re9a	Develop and justify the evaluation of a variety of music based on established and personally developed criteria, digital, electronic and analog features, and understanding of purpose and context.
MU.9-12.1.3B.12adv.Cn10a	Demonstrate how interests, knowledge and skills related to personal choices and intent when creating, performing and responding to music.
MU.9-12.1.3B.12adv.Cn10a	Demonstrate how interests, knowledge, and skills related to personal choices and intent when creating, performing, and responding to music.
MU.9-12.1.3B.12adv.Cn11a	Demonstrate understanding of relationships between music and the other arts, other disciplines, varied contexts, and daily life.
MU.9-12.1.3B.12adv.Cn11a	Demonstrate understanding of relationships between music and the other arts, other disciplines, varied contexts, and daily life.

## **Instructional Tasks/Activities**

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- Activity 1
- Activity 10
- Activity 2
- Activity 3
- Activity 4
- Activity 5
- Activity 6
- Activity 7
- Activity 8
- Activity 9

## **Assessment Procedure**

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- classwork/homework
- Exit Ticket/Entrance Ticket/Do Now
- participation in performance
- peer observation
- Pro Tools 101 Exam
- Pro Tools 110 Exam
- Pro Tools User Exam
- Teacher observation
- tests/quizzes

## **Recommended Technology Activities**

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- Chromebook
- Gimkit
- GoGuardian
- Google Classroom
- Google Docs
- Google Forms
- Google Slides
- Kahoot
- MagicSchool AI
- Other- Specified in Lesson
- Quiziz
- Screencastify

## **Accommodations & Modifications & Differentiation**

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Accommodations and Modifications should be used to meet individual needs. Their IEP and 504 plans should be used in addition to the following suggestions.

## **Gifted and Talented**

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- Compare & Contrast
- Conferencing
- Debates
- Jigsaw
- Peer Partner Learning
- Problem Solving
- Structured Controversy
- Think, Pair, Share
- Tutorial Groups

## **Instruction/Materials**

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- alter format of materials (type/highlight, etc.)
- color code materials
- eliminate answers
- extended time
- extended time
- large print

- modified quiz
- modified test
- Modify Assignments as Needed
- Modify/Repeat/Model directions
- necessary assignments only
- Other (specify in plans)
- other- named in lesson
- provide assistance and cues for transitions
- provide daily assignment list
- read class materials orally
- reduce work load
- shorten assignments
- study guide/outline
- utilize multi-sensory modes to reinforce instruction

## **Environment**

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- alter physical room environment
- assign peer tutors/work buddies/note takers
- assign preferential seating
- individualized instruction/small group
- modify student schedule (Describe)
- other- please specify in plans
- provide desktop list/formula

## **Resources**

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- handouts
- SoundTrap
- Garage Band
- Google Classroom
- instruments
- Logic
- Music Theory texts
- MusicFirst
- Noteflight
- Pro Tools
- Pro Tools 101 Text
- Pro Tools 110 Text

- screen recordings
- The internet
- Tonesavvy
- virtual instruments
- whiteboard