

Music Technology

Fine Arts
Curriculum Framework

2014

Course Title: Music Technology
Course/Unit Credit: 1 unit

Course Number: 459020

Teacher Licensure: Please refer to the Course Code Management System (<https://adedata.arkansas.gov/ccms/>) for the most current licensure codes.

Grades: 9-12

Prerequisites: There is no prerequisite for Music Technology.

Music Technology

Music Technology is a two-semester course designed for the study of technologies used to create, manipulate, perform, record, and share music. The course will introduce the student to the constantly changing resources and possibilities available to them for personal musical expression. Course activities may involve smartphones, tablets, computers, and cloud-based resources, along with the voice and available acoustic, analog, electronic, and digital instruments. Music Technology will satisfy the one-half credit fine arts requirement for graduation. Arkansas Department of Education approval is not required for Music Technology.

Music Technology

Strand	Content Standard
Creating	
	1. Students will generate and conceptualize artistic ideas and work.
	2. Students will organize and develop artistic ideas and work.
	3. Students will refine and complete artistic work.
Producing	
	4. Students will analyze, interpret, and select artistic work for presentation.
	5. Students will develop and refine artistic work for presentation.
	6. Students will convey meaning through the presentation of artistic work.
Responding	
	7. Students will perceive and analyze artistic work.
	8. Students will interpret intent and meaning in artistic work.
	9. Students will apply criteria to evaluate artistic work.
Connecting	
	10. Students will synthesize and relate knowledge and experience to make art.
	11. Students will relate artistic ideas and works with societal, cultural, and historical context to deepen understanding.

Notes:

1. SLEs may be taught in any sequence.
2. Italicized words in this document appear in the glossary.
3. The examples given (e.g.,) are suggestions to guide the instructor.
4. Common Core State Standards (CCSS) alignment key, CCRA.R.1 = College and Career Ready Anchor Standard.Reading.1

Strand: Creating

Content Standard 1: Students will generate and conceptualize artistic ideas and work.

		CCSS Alignment
CR.1.MTECH.1	<i>Improvise</i> , alone and with others, a variety of musical ideas	CCRA.R.4 CCRA.W.6 CCRA.SL.5
CR.1.MTECH.2	Manipulate the <i>elements of music</i> and <i>expressive elements</i> , using <i>digital</i> tools, to produce artistic work	CCRA.W.6 CCRA.SL.1, 5 CCRA.L.6

Strand: Creating

Content Standard 2: Students will organize and develop artistic ideas and work.

		CCSS Alignment
CR.2.MTECH.1	Develop, using <i>digital</i> tools, multiple musical ideas (e.g., create a loop to use as ostinato for vocal or instrumental <i>improvisation</i>) to reflect purpose and personal aesthetics	CCRA.W.5, 6 CCRA.SL.5 CCRA.L.6
CR.2.MTECH.2	Arrange accompaniment (e.g., change the key or tempo in <i>MIDI</i> format, add or delete <i>tracks</i> in <i>MIDI</i> format) of a musical work for a soloist or group, using <i>digital</i> tools	CCRA.W.5, 6 CCRA.SL.5 CCRA.L.6

Strand: Creating

Content Standard 3: Students will refine and complete artistic work.

		CCSS Alignment
CR.3.MTECH.1	Edit an original composition, using <i>digital</i> tools, based on reflection, peer feedback, and teacher feedback	CCRA.W.5, 6 CCRA.SL.6 CCRA.L.6
CR.3.MTECH.2	Enhance accompaniment of a musical work to be performed by soloist or group, using <i>digital</i> tools, based on reflection, peer feedback, and teacher feedback	CCRA.W.5, 6 CCRA.SL.5 CCRA.L.6

Strand: Producing

Content Standard 4: Students will analyze, interpret, and select artistic work for presentation.

		CCSS Alignment
P.4.MTECH.1	Select music and technologies, using student-generated criteria, to analyze and manipulate for personal expression	CCRA.R.1, 4, 5 CCRA.SL.3, 4 CCRA.L.6

Strand: Producing

Content Standard 5: Develop and refine artistic work for presentation.

		CCSS Alignment
P.5.MTECH.1	Articulate a systematic process for manipulating and refining a musical work using chosen technologies	CCRA.SL.4 CCRA.L.6
P.5.MTECH.2	Produce a written record of work sessions (e.g. <i>digital</i> journal, blog, or personal notebook) keeping a record of software, apps, names of works and/or file names of phrases, and questions or problems to explore	CCRA.W.6 CCRA.SL.4 CCRA.L.6

Strand: Producing

Content Standard 6: Students will convey meaning through the presentation of artistic work.

		CCSS Alignment
P.6.MTECH.1	Share an original composition that reflects personal expression, developing musicianship, and technological achievement	CCRA.W.4, 6 CCRA.SL.1, 4, 5 CCRA.L.6
P.6.MTECH.2	Present a student-designed portfolio of personal musical compositions and/or arrangements, using digital methods of delivery (e.g., blog, CD, DVD, webpage, YouTube, social media)	CCRA.SL.1, 4, 5 CCRA.L.6

Strand: Responding

Content Standard 7: Students will perceive and analyze artistic work.

		CCSS Alignment
R.7.MTECH.1	Analyze a variety of musical selections based on personal preference (e.g., subject matter, familiarity with artist or style)	CCRA.R.4, 7 CCRA.SL.1, 4 CCRA.L.6
R.7.MTECH.2	Analyze a variety of musical selections based on the manipulation of the <i>elements of music</i> and <i>expressive elements</i> ; use of <i>analog, electronic, and/or digital</i> sounds; and cultural and/or historical context	CCRA.R.4, 7 CCRA.SL.1, 4 CCRA.L.6
R.7.MTECH.3	Justify inclusion of pieces of music in a playlist for personal listening or for a specific purpose (e.g., social function, tablet ensemble concert)	CCRA.R.6 CCRA.kW.6 CCRA.SL.1, 4, 5 CCRA.L.6

Strand: Responding

Content Standard 8: Students will interpret intent and meaning in artistic work.

		CCSS Alignment
R.8.MTECH.1	Support, citing evidence from the musical work, a personal interpretation based on the technologies used in the artist's manipulation of the <i>elements of music</i> and <i>expressive elements</i>	CCRA.R.1, 4 CCRA.SL.1, 4 CCRA.L.6
R.8.MTECH.2	Support, citing evidence from the musical work, a personal interpretation based on the lyrics, cultural and/or historical context, and previous works of the composer and/or performer	CCRA.R.1, 4 CCRA.W.7, 9 CCRA.SL.1, 4 CCRA.L.6

Strand: Responding

Content Standard 9: Students will apply criteria to evaluate artistic work.

		CCSS Alignment
R.9.MTECH.1	Evaluate, using student-generated criteria, a variety of music based on personal interest, personal aesthetics, and understanding of purpose and context	CCRA.R.1, 4, 5 CCRA.SL.1, 4 CCRA.L.6
R.9.MTECH.2	Evaluate, using student-generated criteria, a variety of music based on aural features (e.g., <i>analog, digital, electronic</i>) and manipulation of the <i>elements of music</i> and <i>expressive elements</i>	CCRA.R.1, 4, 5 CCRA.SL.1, 2, 4 CCRA.L.6
R.9.MTECH.3	Evaluate, using student-generated criteria, a variety of solo and small group performances, displaying sensitivity to performers and audience	CCRA.R.1, 4, 5 CCRA.SL.3, 4

Strand: Connecting

Content Standard 10: Students will synthesize and relate knowledge and personal experiences to make art.

		CCSS Alignment
CN.10.MTECH.1	Discuss, referencing supporting artifacts and artistic works, the influence of personal interests, knowledge, and skills on musical listening preferences	CCRA.SL.1, 2, 4 CCRA.L.6
CN.10.MTECH.1	Discuss, referencing supporting artifacts and artistic works, the impact of personal interests, knowledge, and skills on personal composition and performance of music	CCRA.SL.1, 3, 4 CCRA.L.6

Strand: Connecting

Content Standard 11: Students will relate artistic ideas and works with societal, cultural, and historical context to deepen understanding.

		CCSS Alignment
CN.11.MTECH.1	Interpret relationships between music and the other arts, popular culture, varied contexts, consumer behaviors, and daily life	CCRA.R.4, 7, 9 CCRA.SL.1, 2, 4 CCRA.L.6
CN.11.MTECH.2	Discuss the development of <i>generative technologies</i> and empowerment of diverse participants in creating and sharing personal musical works (e.g., looping on a smartphone, flash mob with smartphones and tablets, <i>streaming</i> concerts)	CCRA.R.1 CCRA.SL.1, 4 CCRA.L.6
CN.11.MTECH.3	Discuss current copyright law as it relates to personal works of music and options for sharing and licensing (e.g., personal channel on YouTube, blogging, <i>downloading, uploading, and streaming</i> files)	CCRA.R.7 CCRA.W.8 CCRA.SL.1, 4 CCRA.L.6
CN.11.MTECH.4	Research diverse career opportunities involving music technology (e.g., studio management, music production, copyright law, studio technician, acoustic consultant, sound designer, audio engineer)	CCRA.R.1 CCRA.W.7, 8 CCRA.SL.4 CCRA.L.6

Glossary for Music Technology

Analog	A way of representing information that uses a continuous range of values; not digital (e.g., CD is digital/tape is analog, MIDI controller is digital/acoustic guitar is analog)
Digital	Electronic technology that generates, stores, and processes data in terms of two states: positive and non-positive
Download	To receive data, such as music files, photos, videos, documents, from another computer or website to view/store on a local device
Electronic	Of or relating to music produced or altered by electronic means, as by a tape recorder, microphone, amplifier, or synthesizer
Elements of music	Rhythm, melody, harmony, form
Expressive elements	Tempo, texture, timbre, dynamics
Generative technology	App, software, and hardware that allows the user to create, edit, and save
Improvise	To create spontaneously
Loop	A continuously repeated segment of music; looping can be done with a looping pedal, apps, or software
MIDI	Musical Instrument Digital Interface; an electronic standard used for the transmission of digitally encoded music
Sampling	Sampling is the act of taking a portion, or sample, of one sound recording and reusing it as an instrument or a sound recording in a different song
Streaming	Continuous exchange of data, not to be stored on the receiving device
Track	A line in a digital file dedicated to an instrument/part, also a recorded song on a CD or in MIDI format
Upload	Send data files from the local computer to online storage

Contributors

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