

DESE Model Curriculum: Multimedia (CIP Code: 11.010)

GRADE LEVEL/UNIT TITLE: 11-12/Create Audio Files

COURSE INTRODUCTION		
<p>Students will work with multimedia software to develop electronic presentations. They will learn how to manipulate text, art and graphics, photography, animation, audio, and video for presentations in various media formats.</p> <p>Course rationale: This course addresses the technological skills required of students to create effective electronic presentations for the companies employing them. The demand for multimedia knowledge and ability to apply it will continue to expand as businesses utilize multimedia functions including graphics, audio, video, web pages, and electronic presentations.</p>		
UNIT DESCRIPTION	SUGGESTED UNIT TIMELINE	
Create, manage and edit audio using audio editing and software.	Five class periods	
	CLASS PERIOD	
	50 min.	
ESSENTIAL QUESTIONS		
<ol style="list-style-type: none"> How does audio manipulation play a role in media and entertainment? How does business and industry rely on the use of audio editing software? 		
ESSENTIAL MEASURABLE LEARNING OBJECTIVES	NBEA STANDARD	DOK
1. Compare and contrast audio formats common size and quality (e.g., .mp3, .wav, .midi)	IT.VI.1-2.1	3
2. Rip and import audio from a variety of sources (e.g., CD/DVD, video, Internet)	IT.V.3.5	2
3. Create original audio (e.g., voice, instrument)	IT.VI.3.2 CO.IV.3.6	4
4. Mix audio (e.g., layering, trimming, level adjustments)	IT.V.3.5	4
5. Apply effects to audio (e.g., noise reduction, amplify, echo)	IT.V.3.5	3
6. Export audio files based on delivery method	IT.V.3.5	3
7. Apply editing techniques	IT.V.3.5 IT.VI.3.2	2
OBJ. #	INSTRUCTIONAL STRATEGIES	
2,4-7	1. Teacher will demonstrate importing, editing techniques and exporting while students follow along.	
3	2. Teacher will demonstrate use of microphone, capture and recording in the software.	
1	3. Teacher will discuss various file types, common size and quality of audio files and their appropriate uses through a presentation.	
OBJ. #	INSTRUCTIONAL ACTIVITIES	
2,4-7	1. Students will import multiple audio files and create a medley of songs while applying effects and editing techniques. When complete export for multiple delivery methods. <i>Voice Over.docx</i> , <i>Voice Over Scoring Guid.docx</i>	
3	2. Students will use a microphone to narrate audio. <i>Sound Recorder Settings.pdf</i>	
1	3. Students will discuss various file types, common size and quality of audio files and their appropriate uses.	