San Diego County Office of Education - Sweetwater Union High School District Pacing Guide/Course Description

Course Length: 2 Semesters	Classroom Instruction: 180 hours				
SUHSD Course Number: 97253/97254	Grade Level: 9, 10, 11, 12				
SDCOE Course Number: 576904	SDCOE Total Hours: 188 Hours				
CBEDS Number/Title: 5769/Other Arts, Media, and Entertainment	Year of Implementation: 2011				
Course Pre-requisites: Multimedia Productions	Articulation (school/credits): None				
CTE Industry Sector: Arts, Media and Entertainment CTE Pathway(s): Production and Managerial Arts					
Job Titles: Recording / Live / Mixing / Post – Production Engineer, Sound Technician, Broadcast Engineer, Master Control Engineer, Audio/Visual Manager, and Audio Visual Technician					
Credential Information: Full Time Designated Subjects Career Technical Education Teaching Credential in Arts, Media and Entertainment					
Required Textbooks: None					
Course Description: This course provides entry-level and advanced train include Master Control Engineer, Audio/Visual Manager and Audio Visual equipment such as: microphones, sound speakers, recording equipment, includes: iMac and Mac Pro computers, mixing boards, Pro Tools softwar	I Technician. Instruction covers the following areas: operating audio wires and cables, and mixing boards. Students use equipment which				

Semester 1

Unit 1: Orientation Unit 2: Fundamentals of the Workplace Unit 3: What is Audio? Unit 4: Basic Knowledge of Instruments Unit 5: Music Theory Overview Unit 6: Audio Recording Unit 7: Introduction to Pro Tools Unit 8: Pro Tools Interface Unit 9: Audio Recording with Pro Tools Unit 10: MIDI Overview Unit 11: Musical Instrument Digital Interface (MIDI) Unit 12: Hardware Systems with MIDI Productions Unit 13: MIDI Computer Technology Unit 14: The Electronic Musical Instrument Unit 15: MIDI Sequencing Unit 16: Occupational and Workplace Knowledge Unit 17: Job Acquisitions Skills

Semester 2

Unit 18: MIDI in Pro Tools Unit 19: Editing MIDI in Pro Tools Unit 20: Selecting in Pro Tools Unit 21: Mixing in Pro Tools (Overview) Unit 22: Mixing in Pro Tools (Processors and Effects) Unit 23: Mixing in Pro Tools (The Rough Mix) Unit 24: Finishing the Session Unit 25: Post Production

	Semester 1 - Unit 1 -	- Orientation (10 hours)		
Competencies	Standards	Suggested Pacing	Essential Vocabulary	Resources/Materials
 1A - Understands course goals and objectives. 1B - Demonstrates safe production practices. 1C - Uses safe equipment operation. 1D - Demonstrates safe equipment handling. 	 Career Technical Education: *AME/HS/ 6.2 Understand critical elements of health and safety practices related to storing, cleaning, and maintaining tools, equipment, and supplies. 6.3 Know how to take responsibility for a safe and healthy work environment. 6.4 Understand the lifestyle choices and physical preparation required to function and maintain work activities in the chosen field. 6.5 Understand the opportunities for and challenges to maintaining physical and emotional health. Core Academic: 	A - Orientation and Safety Procedures B - EMF / Static Electricity		Teacher Resources: Osha.gov Student Resources: Osha.gov
Safety PowerPoint and Handou	ıt			

Comments: Students must score 100% on the Safety Test

Revised 11/07/2011

	factors involved in pursuing careers in music.		
Conservation of the Restaurant of the Restaurant	e – Audio Technology PowerPoint (include o scenarios and asked to write have they v		
Comments:			

	Semester 1 - Unit 3 - W	/hat is Audio? (10 hour	s)	
Competencies	Standards	Suggested Pacing	Essential Vocabulary	Resources/Materials
 4E - Understands waveform, frequency and amplitude. 4F - Understands sound judgment and quality. 4G - Understands loudness, pitch and timbre. 4H - Explains the anatomy of the human ear. 	Career Technical Education: *AME/PAP/B1.0/AP/ADV/G9-12/ (1.4) Analyze and describe significant musical events perceived and remembered in a given aural example. (1.6) Compare and contrast the use of form, both past and present, in a varied repertoire of music from diverse genres, styles, and cultures. <u>Core Academic:</u> *S/BLS/ 9e. Students know the roles of sensory neurons, interneurons, and motor neurons in sensation, thought, and response.	 A - Audio Theory B - Critical Listening Skills C - Auditory Perception D - The Human Hearing System 	Frequency Octave Pure Tone Random Noise Spectrum Sweep Sound Wave Compression SPL Rarefaction Analog Digital Pitch Amplitude Pinna Binaural Hearing Ear Canal Eardrum Cochlea Ossicles Hammer (Malleus) Anvil (Incus)	<u>Teacher Resources:</u> <u>Student Resources:</u>
	One 🛌	3		

	Semester 1 - Unit 4 - Basic Kn	owledge of Instruments	(3 hours)	
Competencies	Standards	Suggested Pacing	Essential Vocabulary	Resources/Materials
 5A - Knows the instruments families, vocal ranges: soprano, alto, tenor, bass and their frequency ranges. 5B - Understands rhythm section composing techniques. 5C - Appreciates aesthetic qualities of ensemble production. 	Career Technical Education: *AME/PAP/B1.1/AP/ADV/G9-12/ (1.4) Apply a wide range of kinesthetic communication, demonstrating clarity of intent and stylistic nuance. *AME/PAP/B1.2/AP/ADV/G9-12/ (1.4) Analyze and describe significant musical events perceived and remembered in a given aural example. Core Academic: *S/BLS/ 9e. Students know the roles of sensory neurons, interneurons, and motor neurons in sensation, thought, and response. *VAPA/MU/PR/ 2.6 Compose music, using musical elements for expressive effect. 2.7 Compose and arrange music for voices or various acoustic or digital/electronic instruments, using appropriate ranges for traditional sources of sound.	 A - Families of Instruments: woodwinds, brass, electronic, percussion, strings and vocal ranges B - Composing tendencies. C - Ensemble, Balance and Blend 		Teacher Resources: Music Theory For Computer Musicians, Hewitt, Michael 2008 Student Resources:

Instruments and Music PowerPoint

Activity: Download song lyrics from the Internet and identify the verse, bridge and chorus of the song (NOTE: Be sure students do not download lyrics with the sections already identified)

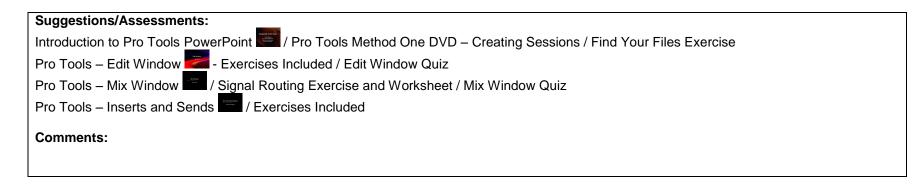
Music Appreciation Writing: Choose a genre of music and research its connection to either to European Classical or African Music. Using MLA format, write a comparison / contrast of the chosen genres. Unit Exam

	<u>Semester 1</u> - Unit 5 – Mus	ic Theory Overview (6 h	ours)	
Competencies	Standards	Suggested Pacing	Essential Vocabulary	Resources/Materials
 6A - Explains the rudiments of rhythm. 6B - Understands time signatures. 6C - Plays the major scale on Piano. 6D - Understands basic chord structure. 6E - Demonstrates entry level piano keyboard skills. 	Career Technical Education: Core Academic: *VAPA/MU/PR/ 2.6 Compose music, using musical elements for expressive effect. 2.7 Compose and arrange music for voices or various acoustic or digital/electronic instruments, using appropriate ranges for traditional sources of sound.	A - Rhythm B - Time C - Scales D - Arpeggios E - Keyboard Performance	Rhythm Pulse Tempo Beat Length Relative Beat Length Time Signature Dotted / Whole / Half Quarter / Eighth and Sixteenth Notes Octave Fundamental Harmonic / Enharmonic Flat / Sharp Scale / Major / Minor / Chromatic / Pentatonic Melody / Harmony Chord / Triad Interval Whole / Half Step Tone / Semitone Perfect 4 th / 5 th Arpeggio Tonic / Dominant / Sub-Dominant	Teacher Resources: Music Theory For Computer Musicians, Hewitt, Michael 2008 Student Resources:
Suggestions/Assessments: Rhythm and Time PowerPoint	/ Rhythm and Time Worksheet			
		eet		
Keyboard Performance (Chords Triads: Minor to Major Workshe Worksheet: Note Values Unit Exam Comments:	s and Arpeggios) PowerPoints 💻 🚝	/ Chords and Arpeggios		to Minor Worksheet /

Competencies	Standards	Suggested Pacing	Essential Vocabulary	Resources/Materials
 8A - Knows the history and evolution of audio recording. 9A - Understands analog recording. 9B - Understands analog to digital conversion. 9C - Understands sample rate and frequency response. 9D - Understands bit depth and amplitude resolution. 9E - Understands computer based recorders. 9F - Understands Stand Alone Recorders. 9G - Understands the technological advances in audio recording. 	Career Technical Education: *AME/TC/ 4.1 Understand past, present, and future technological advances as they relate to a chosen pathway. 4.7 Understand how technology can reinforce, enhance, or alter products and performances *AME/MDAP/ A2.2 Know the component steps and skills required to design, edit, and produce a production for audio, video, electronic, or printed presentation. A2.3 Use technology to create a variety of audio, visual, written, and electronic products and presentations. <u>Core Academic:</u>	 A – The evolution of recording from analog to digital B- Analog Sound C - Digital Recording 	Waveform Frequency Amplitude Amplitude Resolution Sample Sample Rate Bit Bit Depth Distortion	Teacher Resources: Pro Tools 101 Official Courseware, 3 rd Ed., Digidesign and Frank D. Cook 2006 <u>Student Resources:</u>
Suggestions/Assessments: Introduction to Pro Tools Powe	rPoint			
Comments:				

Competencies	Standards	Suggested Pacing	Essential Vocabulary	Resources/Materials
 3B - Explains a studio recording. 8B - Defines preproduction. 10A - Demonstrates knowledge of file types and proper file organization. 10B - Understands the correct way to power a digital recording studio. 10C - Understands the demands of a host based processing. 10D - Understands how to modify Hardware Buffer Size. 10E - Understands how to modify CPU Usage Limit. 	Career Technical Education: *AME/CPM/ 3.1 Know the personal qualifications, interests, aptitudes, knowledge, and skills necessary to succeed in careers. *AME/TC/ 4.2 Understand the use of technological resources to gain access to, manipulate, and produce information, products, and services. *IT/TKS/ 10.6 Understand the interrelationships between hardware components and supportive software. Core Academic:	A - File Management B - Powering Up C - Optimizing Computer	Condenser Dynamic Ribbon PZM XLR TRS Transducer Cardioid Hypercardioid Bi-Directional Omnidirectional Capacitor	Teacher Resources: Pro Tools 101 Official Courseware, 3 rd Ed., Digidesign and Frank D. Cook 2006 Working With Beats ir Pro Tools: Skill Pack, Hagerman, Andrew 2007 Student Resources:
Suggestions/Assessments: Introduction to Pro Tools Powe Microphone and Cables Comments: Students had difficulty with mic	rPoint / Pro Tools Method One DVD	 Creating Sessions 		

	Semester 1 - Unit 8 - Pre	o Tools Interface (8 hou	rs)	
Competencies	Standards	Suggested Pacing	Essential Vocabulary	Resources/Materials
 11A - Demonstrates knowledge of software interface menu structure. 11B - Demonstrates knowledge of all functions of main Pro Tools windows. 11C - Understands edit tools and functions. 11D - Demonstrates knowledge edit modes and functions. 11E - Demonstrates knowledge transport window and MIDI controls. 11F - Demonstrates knowledge of creating a Session in Pro Tools. 11G - Understands file types, sample rate, I/O settings and bit depth. 11H - Understands track type, track format and time base. 11I - Understands playback and edit cursor, playback points and scrolling options. 11J - Understands saving, locating and opening sessions. 	Career Technical Education: *IT/TKS/ 10.6 Understand the interrelationships between hardware components and supportive software. *IT/ISSP/ A7.1 Know common industry- standard software and its applications. Core Academic:	A - The Menu Structure B - Main Pro Tools Windows C - Editing Tools D - Edit Modes E - Transport Window F - Creating a Session in Pro Tools G - Session Parameters H - Tracks I - Cursor J - Sessions	Shuffle Slip Spot Grid Zoom Trim Selector Grabber Scrubber Pencil Smart tool Transport Counters Regions Insert Send Pan Automation Bandwidth Bit Resolution Gain Stage Attenuation	Teacher Resources: Pro Tools 101 Official Courseware, 3 rd Ed., Digidesign and Frank D. Cook 2006 Working With Beats in Pro Tools: Skill Pack, Hagerman, Andrew 2007 Student Resources:



storage organization. 12B - Understands disk space window. 12C - Understands how to check and troubleshoot hardware connections.*IT/ISSP/ A2.4 Know appropriate documentation support for information systems.B - Disk Špace C - Troubleshooting Hardware D - Record Enable E - Signal Path F - Audio Files and Regions G - Importing Audio H - Editing Audio I - Recording an Audio SessionPro Tools 101 Official Courseware, 3 rd Ed., Digidesign and Frank D. Cook 200612B - Understands recording enabling tracks. 12E - Demonstrates knowledge of setting input path, level and pan. 12F - Recognizes the distinction between audio files and regions.B - Disk Špace C - Troubleshooting Hardware D - Record Enable E - Signal Path F - Audio Files and Regions G - Importing Audio I - Recording an Audio SessionStudent Resources: Student Resources:12G - Understands file format, bit resolution, sample rate and file format. 12H - Demonstrates recordingImage: Student Resource State Recording an Audio SessionImage: Student Resource State Recording an Audio Session12I - Demonstrates recordingImage: Student Recording an Audio SessionImage: Student Recording an Audio SessionImage: Student Recording an Audio Session12I - Demonstrates recordingImage: Student Recording an Audio SessionImage: Student Recording an Audio SessionImage: Student Recording an Audio Session12I - Demonstrates recordingImage: Student Recording an Audio SessionImage: Student Recording an Audio SessionImage: Student Recording an Audio Session12I - Demonstrates recordingImage: Student Recording an	Competencies	Standards	Suggested Pacing	Essential Vocabulary	Resources/Materials
Tools.	 storage organization. 12B - Understands disk space window. 12C - Understands how to check and troubleshoot hardware connections. 12D - Understands recording enabling tracks. 12E - Demonstrates knowledge of setting input path, level and pan. 12F - Recognizes the distinction between audio files and regions. 12G - Understands file format, bit resolution, sample rate and file format. 12H - Demonstrates audio editing techniques. 12I - Demonstrates recording an Audio Session in Pro 	*IT/ISSP/ A2.4 Know appropriate documentation support for information systems.	 B - Disk Space C - Troubleshooting Hardware D - Record Enable E - Signal Path F - Audio Files and Regions G - Importing Audio H - Editing Audio I - Recording an Audio 		Digidesign and Frank

Comments:

This unit includes a lot of hands-on recording of guest artists and classmates.

Competencies	Standards	Suggested Pacing	Essential Vocabulary	Resources/Materials
 14A - Understands the evolution of MIDI. 14B - Understands what MIDI is in the studio. 14C - Understands MIDI within audio-for-video and film. 14D - Understands MIDI in the live performance. 	Career Technical Education: *AME/TC/ 4.1 Understand past, present, and future technological advances as they relate to a chosen pathway. *AME/ELR/ 8.4 Adhere to the copyright and intellectual property laws and regulations, and use and cite proprietary information appropriately. *AME/MDAP/ A2.2 Know the component steps and skills required to design, edit, and produce a production for audio, video, electronic, or printed presentation. A2.3 Use technology to create a variety of audio, visual, written, and electronic products and presentations Core Academic:	A - A brief history.	MIDI MIDI In / Out / Thru Interface MIDI Channel Multitimbral Exporting Virtual Instrument Local Off / On Bars Beats Tempo Ticks Absolute Relative	Teacher Resources: Pro Tools 101 Official Courseware, 3 rd Ed., Digidesign and Frank D. Cook 2006 Student Resources:
Suggestions/Assessments: MIDI One PowerPoint	I	I	1	
Comments:				

Competencies	Standards	Suggested Pacing	Essential Vocabulary	Resources/Materials
 15A - Defines MIDI. 15B - Utilizes MIDI channels. 15C - Understands MIDI Modes. 15D - Understands Chanel- Voice Messages. 15E - Understands Chanel- Mode Messages. 15F - Understands System Messages. 	Career Technical Education: *AME/MDAP/ A2.2 Know the component steps and skills required to design, edit, and produce a production for audio, video, electronic, or printed presentation. A2.4 Analyze the techniques used in media messages for a particular audience and evaluate their effectiveness (e.g., Orson Welles' radio broadcast "War of the Worlds").\ <u>Core Academic:</u> *ELA/LS/G11-12/ 1.3 Interpret and evaluate the various ways in which events are presented and information is communicated by visual image makers (e.g., graphic artists, documentary filmmakers, illustrators, news photographers).	A - What is MIDI B - MIDI Messaging C - MIDI Filtering D - MIDI Mapping		Teacher Resources: Pro Tools 101 Official Courseware, 3 rd Ed., Digidesign and Frank D. Cook 2006 Student Resources:
Suggestions/Assessments: MIDI One PowerPoint				
Comments:				

Competencies	Standards	Suggested Pacing	Essential Vocabulary	Resources/Materials
 16A - Utilizes MIDI ports. 16B - Understands MIDI echo. 16C - Understands Configuring Hardware. 16D - Understands Configuration of MIDI studio. 	Career Technical Education: *IT/ISSP/ A2.3 Know the processes needed to install and maintain systems. *IT/NCP/ C2.1 Know the types of networks and their features and applications. C4.3 Understand the implications of major protocols and international standards and their impact on data transmission. Core Academic:	A - System Interconnection B - The MIDI Cable C - The MIDI Interface D - The Computer Based Recording system and MIDI	Synthesizer Hard Synth Soft Synth MIDI Master / Slave Quantize	Teacher Resources: Pro Tools 101 Official Courseware, 3 rd Ed., Digidesign and Frank D. Cook 2006 Student Resources:
Suggestions/Assessments:	1	1	1	L

Students need lots of hands-on opportunities setting up and working with MIDI.

Competencies	Standards	Suggested Pacing	Essential Vocabulary	Resources/Materials
 17A - Troubleshoots MIDI hardware/software problems. 17B - Displays basic MIDI keyboard skills. 17C - Demonstrates MIDI patch selection. 17D - Identifies various MIDI devices. 17E - Operates various MIDI devices. 17F - Incorporates MIDI with organic instruments and voice. 	Career Technical Education: *IT/MSSVP/ B3.2 Know how to identify and integrate various types of peripherals and hardware to meet project requirements. B3.3 Use various types of audio and video equipment (e.g., digital cameras, recorders, scanners, Web cams, CD and DVD recorders), as appropriate, for different projects. B4.1 Use a logical and structured approach to isolate and identify the source of problems and to resolve problems. B4.2 Know the available resources for identifying and resolving problems. Core Academic:	A - Basic Knowledge Skills B - Entry Level Keyboard Skills C - MIDI Technology	Rhythm Melody Bass Harmony Composition Improvisation Tempo Pulse Beat Downbeat Common Time Syncopation Motif Consonance	Teacher Resources: Student Resources:

MIDI Two PowerPoint 📃 / Activity Included

Composition PowerPoint

Comments:

Students need lots of hands-on opportunities setting up and working with MIDI. Students may also need to review music theory since theory is not a prerequisite.

Competencies	Standards	Suggested Pacing	Essential Vocabulary	Resources/Materials
 18A - Understands configuration and use of synthesizers. 18B - Understands configuration and use of software instruments. 21G - Connects a direct input instrument using a direct box. 	Career Technical Education: *AME/PMAP/ 2.1 Know the key elements and functional responsibilities involved in the production and presentation of the performing, visual, and media arts. <u>Core Academic:</u> *AME/A/1.2R/ (2.6) Demonstrate use of sophisticated learning tools by following technical directions (e.g., those found with graphic calculators and specialized software programs and in access guides to World Wide Web sites on the Internet). *AME/A/1.2S/ (4d) Students know sound is a longitudinal wave whose speed depends on the properties of the medium in which it propagates.	A -Keyboard Instruments B - Virtual Instruments		Teacher Resources: Student Resources:

Comments:

Students need lots of hands-on opportunities setting up and working with MIDI.

Competencies	Standards	Suggested Pacing	Essential Vocabulary	Resources/Materials
 19A - Understands software based sequencers. 19B - Demonstrates recording. 19C - Performs playback. 19D - Demonstrates editing. 19E - Utilizes internal sequencers. 19F - Utilizes external sequencers. 19G - Knows hardware-based sequencing. 19H - Knows computer-based sequencing. 	Career Technical Education: *AME/MDAP/ A2.3 Use technology to create a variety of audio, visual, written, and electronic products and presentations. Core Academic: *M/NS/G7/ 1.3 Convert fractions to decimals and percents and use these representations in estimations, computations, and applications.	A - Introduction to Sequencers B - Sequencer Systems		Teacher Resources: Working With Pro Tools: Skill Pack, Hagerman, Andy 200 Working With Beats ir Pro Tools: Skill Pack, Hagerman, Andrew 2007 Student Resources:
Suggestions/Assessments: MIDI Two PowerPoint 📴 / Ac	tivity Included			
Comments:				

Competencies	Standards	Suggested Pacing	Essential Vocabulary	Resources/Materials
1A - Accesses and utilizes	Career Technical Education:	A - Elements of		Teacher Resources:
technology and information.	*AME/CPM/	industry planning		Entrepreneurship
1B - Practices occupational	3.2 Understand the scope of career	B - Elements of		Ideas in Action 4e,
safety standards.	opportunities and know the	management.		Greene, Cynthia L.,
1C - Thinks critically and	requirements for education, training,	C - Industry finance.		2009
solving problems effectively.	and licensure.	D - Principles of		
1D - Uses basic skills in	3.8 Understand the use of contracts in	technology.		Student Resources:
reading, writing, mathematics,	the arts industry and the principles	E - Labor and		
listening and speaking as	and responsibilities of working as an	regulatory issues.		
they relate to occupation	independent contractor, including	F - Community,		
specific skills.	budgeting, project planning,	health, safety and		
1E - Attains a comprehensive	advertising, and marketing strategies.	environmental issues.		
understanding of all aspects	*AME/TC/	G - Resources		
of industry the individual is	4.2 Understand the use of	allocation		
preparing to enter.	technological resources to gain	H - Team work		
1F - Applies knowledge to	access to, manipulate, and produce	I - Data evaluation		
real world problems and	information, products, and services.	J - Social,		
situations.	4.5 Know the key technological skills	organizational, and		
2A - Works independently	appropriate for occupations in the arts	technical systems		
and collaboratively.	industry.	K - Equipment and		
2B - Communicates	4.6 Know how technology and the	tools		
effectively and appropriately.	arts are interrelated in the	L - Safety procedures		
2C - Performs reliably and	development of presentations and	and practices.		
responsibly.	productions.	M - Ethics and		
2D - Works with diverse	*AME/PSCT/	confidentiality.		
populations effectively and	5.3 Use critical thinking skills to make			
respectfully.	informed decisions and solve prob			
2E - Is punctual.	*AME/LT/			
2F - Follows directions.	9.5 Understand how to interact with			
2G - Works well with	others in ways that demonstrate			
minimum supervision.	respect for individual and cultural			
2H - Is cooperative.	differences and for the attitudes and			
2I - Takes initiative by	feelings of others.			
working beyond minimum	*AME/TKS/			
requirements.	10.1 Know universal cultural concepts			
2J - Meets job standards of	and identify cultural differences.			
neatness and grooming.	10.10 Use technical applications in			

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2K - Responds appropriately	the creative process, where		
to constructive criticism.	appropriate.		
	10.6 Know the appropriate skills and		
	vocabulary of the art form.		
	Core Academic:		
	*AME/A/1.1M/PRS/G8-12/		
	Students organize and describe		
	distributions of data by using a		
	number of different methods,		
	including frequency tables,		
	histograms, standard line and bar		
	graphs, stem-and-leaf displays,		
	scatterplots, and box-and-whisker		
	plots.		
	*AME/C/2.3WO/ELC/G11-12/		
	(1.1) Demonstrate control of		
	grammar, diction, and paragraph and		
	sentence structure and an		
	understanding of English usage.		
	(1.2) Produce legible work that shows		
	accurate spelling and correct		
	punctuation and capitalization.		
	(3.3) Reflect appropriate manuscript		
	requirements in writing.		
Suggestions/Assessments:	·	· · · · · ·	
Comments:			

	Semester 1/2 - Unit 17 – Job Acquisitio	ons Skills (4 hours) (Tai	ught Throughout)	
Competencies	Standards	Suggested Pacing	Essential Vocabulary	Resources/Materials
 3A - Completes an appropriate resume and job application. 3B - Acquires job interview techniques. 3C - Attains awareness of advanced career and educational opportunities. 	Career Technical Education: *AME/TKS/ 10.6 Know the appropriate skills and vocabulary of the art form. *AME/CPM/ 3.1 Know the personal qualifications, interests, aptitudes, knowledge, and skills necessary to succeed in careers. 3.5 Understand the past, present, and future trends that affect careers, such as technological developments and societal trends, and the resulting need for lifelong learning. 3.6 Know important strategies for self-promotion in the hiring process, such as job applications, résumé writing, interviewing skills, and preparation of a portfolio. *AME/LT/ 9.2 Understand the ways in which preprofessional associations and competitive career development activities enhance academic skills, promote career choices, and contribute to employability. Core Academic: *AME/C/2.3WO/ELC/G11-12/ (1.1) Demonstrate control of grammar, diction, and paragraph and sentence structure and an understanding of English usage. (1.2) Produce legible work that shows accurate spelling and correct punctuation and capitalization. (3.3) Reflect appropriate manuscript requirements in writing.	A - Resume and job application B - Job interview techniques C - Advanced careers and educational opportunities D - Cover letter	Career Characteristics Follow-through Interview skills Job Description Job Interview Organization Objective Planning Position Portfolio Reference Referred Resume Salary Skills Strengths	Teacher Resources: Entrepreneurship Ideas in Action 4e, Greene, Cynthia L., 2009 Student Resources:

*AME/C/2.2W/WA/G8/		
(2.5) Write documents related to		
career development, including simple		
business letters and job applications:		
a. Present information purposefully		
and succinctly and meet the needs of		
the intended audience.		
b. Follow the conventional format for		
the type of document (e.g., letter of		
inquiry, memorandum).		
*AME/C/2.2W/WSA/G11-12/		
(2.5) Write job applications and		
résumés:		
a. Provide clear and purposeful		
information and address the intended		
audience appropriately.		
b . Use varied levels, patterns, and		
types of language to achieve intended		
effects and aid comprehension.		
c . Modify the tone to fit the purpose		
and audience.		
d . Follow the conventional style for		
that type of document (e.g., résumé,		
memorandum) and use page formats,		
fonts, and spacing that contribute to		
the readability and impact of the		
document.		
(2.6) Deliver multimedia		
presentations:		
a . Combine text, images, and sound		
and draw information from many		
sources (e.g., television broadcasts,		
videos, films, newspapers,		
magazines,		
CD-ROMs, the Internet, electronic		
media-generated images).		
b . Select an appropriate medium for		
each element of the presentation.		
c . Use the selected media skillfully,		
editing appropriately and monitoring		
for quality.		
d . Test the audience's response and		
a. Test the addictive a response and		

	revise the presentation accordingly.		
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Suggestions/Assessments:			
Comments:			
Comments.			

Standards Career Technical Education: *IT/MSSP/ B3.4 Understand the types of media	Suggested Pacing A - Meter and Tempo B - Tick-Based	Essential Vocabulary	Resources/Materials
*IT/MSSP/ B3.4 Understand the types of media	B - Tick-Based		
storage and the use of appropriate file formats, and know how to convert data between media and file formats. Core Academic:	C - Time Scale and Rulers D - MIDI Input E - MIDI Inputs/Outputs F - Record Enable G - Virtual Instruments H - Tempo I - Recording J - Viewing MIDI data		Teacher Resources: Pro Tools 101 Official Courseware, 3 rd Ed., Digidesign and Frank D. Cook 2006 Working With Pro Tools: Skill Pack, Hagerman, Andy 2007 Student Resources:
rts.			
	ata between media and file formats.	E - MIDI Inputs/Outputs F - Record Enable G - Virtual Instruments H - Tempo I - Recording J - Viewing MIDI data	E - MIDI Inputs/Outputs F - Record Enable G - Virtual Instruments H - Tempo I - Recording J - Viewing MIDI data

Competencies	Standards	Suggested Pacing	Essential Vocabulary	Resources/Materials
 21A - Understands configuring playback options. 21B - Understands edit modes and their individual advantages. 21C - Understands standard editing commands. 21D - Moves and trims regions. 21E - Edits fades and effects. 	Career Technical Education: *AME/RF/ 7.7 Develop a personal commitment to and apply high-quality craftsmanship to a product or presentation and continually refine and perfect it. Core Academic:	A - Playback Options B - Edit Modes C - Editing Regions D - Fades Effects		Teacher Resources: Pro Tools 101 Official Courseware, 3 rd Ed., Digidesign and Frank D. Cook 2006 Working With Pro Tools: Skill Pack, Hagerman, Andy 200 Student Resources:
Suggestions/Assessments: Applicable exercises from the t	exts.	·		•
Comments:				

selection.*AME/MDAP/B - Eo23B - Understands Edit selection.A2.2 Know the component steps and skills required to design, edit, and produce a production for audio, video, electronic, or printed presentation.B - Eo23C - Marks and adjusts selection in and out points.D - Mathematical adjustsD - Mathematical adjusts23D - Creates and edits markers.4.7 Understand how technology canD - Mathematical adjusts	imeline Selection dit Selection and Out Points larkers	Timeline Memory Location Marker Ruler	Teacher Resources: Pro Tools 101 Official Courseware, 3 rd Ed., Digidesign and Frank D. Cook 2006
reinforce, enhance, or alter products and performances Core Academic:			Working With Pro Tools: Skill Pack, Hagerman, Andy 2007 <u>Student Resources:</u>
Suggestions/Assessments: Applicable exercises from the texts.			

Semester 2 - Unit 21 – Mixing in Pro Tools (Overview) (15 hours)					
Competencies	Standards	Suggested Pacing	Essential Vocabulary	Resources/Materials	
 21A - Operates a mixing console. 21B - Demonstrates proper gain structure. 21E - Demonstrates proper use of busses. 21G - Connects a direct input instrument using a direct box. 21H - Connects and correctly operates and understands various microphone types. 21I - Connects and correctly operates passive and active speakers. 22A - Understands and uses terms such as inputs, outputs, inserts, sends and returns. 22B - Configures mix window. 22C - Understands function and concept behind TDM and RTAS plug-ins. 22E - Understands science and function of reverb, delays, flange and chorus. 	Career Technical Education: *AME/TKS 10.10 Use technical applications in the creative process, where appropriate. *AME/PMAP/ C1.3 Apply decision-making and problem-solving techniques to repair and replacement procedures for media and arts equipment and facilities. *AME/MDAP/ A2.2 Know the component steps and skills required to design, edit, and produce a production for audio, video, electronic, or printed presentation. A2.3 Use technology to create a variety of audio, visual, written, and electronic products and presentations. A2.5 Know the writing processes, formats, and conventions used for various media. Core Academic:	A - The Live Mixing Console B - Gain Structure C - Equalization D - Auxiliary In and Outs E - Busses F - Effects G - Line Inputs H - Microphones I - Speakers and Headphones J - Terminology K - Configuration L - Automation M - Plug-Ins	Preproduction Mixing Mastering Multitrack Panning DAW In-The-Box Out-Of-The-Box Stereo Monophonic Ergonomics WMSDs Reference Material Input Output Insert Send Return Gain Staging Panning Static Mix Dynamic Mix Automation Track Group Memory Location Marker Ruler	Teacher Resources: Mixing In Pro Tools: Skill Pack, Smithers, Brian 2007 Student Resources:	
Mixing Part Three: Groups, Mer Mixing In Pro Tools Using Subg	ng and Automation PowerPoint mory Location, EQ and Dynamics Power proups PowerPoint 🚾 / Drum Kit Compr		Fattening Exercise		
Mixing In Pro Tools Review PowerPoint					

Competencies	Standards	Suggested Pacing	Essential Vocabulary	Resources/Materials
 21A - Operates a mixing console. 21B - Demonstrates proper gain structure. 21C - Demonstrates proper equalization. 21D - Sets up a monitor mix. 21E - Demonstrates proper use of busses. 21I - Connects and correctly operates passive and active speakers. 22A - Understands and uses terms such as inputs, outputs, inserts, sends and returns. 22B - Configures mix window. 22C - Understands function and concept behind TDM and RTAS plug-ins. 22E - Understands science and function of reverb, delays, flange and chorus. 22F - Understands how to use compression. 	Career Technical Education: *IT/MSSP/ B3.2 Know how to identify and integrate various types of peripherals and hardware to meet project requirements. B3.3 Use various types of audio and video equipment (e.g., digital cameras, recorders, scanners, Web cams, CD and DVD recorders), as appropriate, for different projects. Core Academic: *S/1.2/ (1.c) Identify possible reasons for inconsistent results, such as sources of error or uncontrolled conditions.	 A- Gain Structure B - Equalization C - Auxiliary In and Outs D - Busses E - Effects F - Line Inputs G - Speakers and Headphones H - Automation I - Plug-Ins J - Effects K - Compression 	Equalization Dynamics Hertz Gate Compressor Threshold Ratio Attack Release Gain Expander Limiter Submixes /Subgroups Aux Input Bus Fader Group Bounce / Print	Teacher Resources: Mixing In Pro Tools: Skill Pack, Smithers, Brian 2007 Student Resources:

EQ - Pro Tools EQ III: Filters PowerPoint

Dynamic Processors – Pro Tools Compressor / Limiter Dyn III PowerPoint / Exercises Chapter 2 "Mixing In Pro Tools" Dynamic Processors – Pro Tools Expander / Gate Dyn III PowerPoint / Exercises Chapter 2 "Mixing In Pro Tools" Time Based Effects: Delay and Reverb PowerPoint / Exercises Chapter 3 "Mixing In Pro Tools" Special Effects: Chorus, Flange and De-Esser PowerPoint / Exercises Chapter 4 "Mixing In Pro Tools"

Competencies	Standards	Suggested Pacing	Essential Vocabulary	Resources/Materials
 21E - Demonstrates proper use of busses. 21I - Connects and correctly operates passive and active speakers. 22A - Understands and uses terms such as inputs, outputs, inserts, sends and returns. 22B - Configures mix window. 22C - Understands write mode and read mode. 22D - Understands function and concept behind TDM and RTAS plug-ins. 22E - Understands science and function of reverb, delays, flange and chorus. 22F - Understands how to use compression. 	Career Technical Education: *AME/PMAP/ C1.1 Understand technical support functions in the arts industry. *AME/PSCT/ 5.1 Apply appropriate problem-solving strategies and critical thinking skills to work-related issues and tasks. Core Academic:	A- Refining Memory Locations B – Track Order C – Mixing with Groups D – I/O Setup E - Balance F – Bus Mults G – Multiple Outputs H – Master Faders I - Plug-In Automation J – Printing MIDI Parts K – Side-Chain Processing L – Ducking M – System Settings N – Printing Effects and Submixes		Teacher Resources: Mixing In Pro Tools: Skill Pack, Smithers, Brian 2007 Student Resources:
	Chapter 6 "Mixing In Pro Tools") on (Chapter 8 "Mixing In Pro Tools") ing In Pro Tools") 10 "Mixing In Pro Tools") 11 "Mixing In Pro Tools")\ 12 "Mixing In Pro Tools")			

Semester 2 - Unit 24 – Finishing the Session (1 hour)					
Competencies	Standards	Suggested Pacing	Essential Vocabulary	Resources/Materials	
 25A - Demonstrates saving a session copy and all related files. 25B - Creates a stereo mix down file. 	Career Technical Education: *AME/RF/ 7.7 Develop a personal commitment to and apply high-quality craftsmanship to a product or presentation and continually refine and perfect it. Core Academic:	A - Save Session Copy B - Bounce to Disk		Teacher Resources: Mixing In Pro Tools: Skill Pack, Smithers, Brian 2007 Student Resources:	
Suggestions/Assessments: Comments:					

	Semester 2 - Unit 25 – Post Production (10 hours)					
Competencies	Standards	Suggested Pacing	Essential Vocabulary	Resources/Materials		
3D - Explains post production. 24A - Demonstrate sound effect placement techniques. 24B - Demonstrate voiceover/narration recording techniques.	Career Technical Education: *AME/ELR/ 8.1 Know the major local, district, state, and federal regulatory agencies and entities that affect the industry and how they enforce laws and regulations. 8.2 Understand the concept and application of ethical and legal behavior consistent with workplace standards. 8.3 Understand the role of personal integrity and ethical behavior in the workplace. 8.4 Adhere to the copyright and intellectual property laws and regulations, and use and cite proprietary information appropriately. 8.5 Understand the ethical implications of the degree of influence media, arts, and performances have on individuals. *AME/RF/ 7.7 Develop a personal commitment to and apply high-quality craftsmanship to a product or presentation and continually refine and perfect it. Core Academic:	A - Sound effects B - Voiceovers		Teacher Resources: Pro Tools 101 Official Courseware, 3 rd Ed., Digidesign and Frank D. Cook 2006 Student Resources:		

TV Commercial – Final Project: Given a video clip, students will add and place sound effects, voiceovers and narration.