Middle Bucks Institute of Technology

Week 21 Lesson Plan for 01-24-21   Level 100   Program: Multimedia Technology   Teacher: James Davey

Day	Content *From PDE POS*	PA *Core* *Standards*	Skills/Objective *Demonstrate knowledge*	Activities *Using these methods to learn…*	Assessment *How am I evaluated?*
Monday	• **604** Use video and audio effects and transitions**.** • **607** Identify types of microphones and pickup patterns. • **612** Monitor and record proper audio levels. • **608** Apply story-telling concepts to a project. • **902** Identify file formats for use in media productions (Audio Formats). • **905** Identify different types of software, and general concepts related to software categories (Graphics, Video, Web, Word Processing, Audio). • **909** Recognize various cables used in current media productions. • **304** Describe the principles of Sound (including: Harmony, Melody, Ambient, Diegetic & Non-Diegetic).	C.3.5.11-12A C.3.5.11-12B C.3.5.11-12C Multi step process C.3.6.11-12D C.3.6.11-12F C.3.6.11-12G C.3.6.11-12H C.3.6.11-12I Analyze, Synthesize Solve problems Experiment Evaluate Tech. context	**Adobe Audition** • Multitrack editing • Waveform editing • Importing audio files • Sound equalization and filters Parametric, Graphic EQ, Echo • Amplitude and Compression: DeEsser, Dynamic Processing, Hard Limiter, Normalize, Envelope • Modulation. Noise Reduction • Creating original sound effects **Audio Acquisition** • Zoom H5n recorder operation • Record Audio: transfer files (Safety, menu, onboard mic) • Format media, mono, stereo, multitrack • monitor & record proper levels, • How microphones work • Microphone types and selection • Polar patterns/Pick-up	**Warmup:** DM textbook, Ch 11 • Complete List of Audio Terms **Group Activity #1** Produce an audio story - Project milestone – acquire, distribute, edit **Adobe Audition Activity** #3, Waveform Editing • Guided practice loop, overlap, level, HUD, attenuate, concave/convex to reduce pops **HW**: MindTap assignment (#21.1) in G-Classroom	• Employability rubric • Audio project rubric • AA Waveform 03 rubric
Tuesday				**Review and critique Audio project #1** **Introduction to DM textbook, Ch 11** • LO #1 – Read p. 239 Zig-zag rotations • (6) principles / audio codecs **Lab #2 Zoom recorder and external mics** • Lab worksheet 1 – ID and compare mic types • Guided practice (48v phantom power) • **Activity**: script, record, edit an audio spot **HW**: Complete/submit DM Ch11 vocabulary sheet	• Employability rubric • Homework response √ • Lab #2 worksheet
Wednesday				**Theory #04** (ppt – sound principles) • Learning Objective LO-2 – wave editor, decibel **Audio project #2:** Audio spot milestone **HW:** Blog – microphone polar patterns	• Employability rubric • Audio project #2 rubric • Blog rubric
Thursday				**Theory** presentation on microphone patterns **Audio project #2:** Audio spot milestone (finalize) **Adobe Audition Lesson #4** – Basic Audio Effects • Guided Practice **HW**: MindTap assignment (#21.2) in G-Classroom	• Employability rubric • Audio project #2 rubric • AA-04 Audio EFX rubric
Friday				**Adobe Audition Lesson #5** – Audio Restoration • Guided Practice **Audio PowerPoint Project –** Pt II • Augment Audio PPT using Ch 11 principles • Reverb, echo, delay, dry/ or wet mix • Destructive (insert) & nondestructive (apply) • Hard limiter, DeEsser, Limiter, Equalizer Build upon previous Ch. 8 assignment. • 09 Audio Presentation - Part II. Research audio concepts and explain. Embed notes. **HW**: Journal blog	• Employability rubric • Audio project #2 rubric • AA-05 Audio Restoration rubric • Blog rubric