

Course Title – Television Broadcasting Technology II	
Implement start year – 2014-2015	
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Unit #3 - Advanced Production Techniques Students will be able to independently use their learning to analyze and design aesthetically pleasing audio and video messages in a television production.	
Stage 1 – Desired Results	
<p><u>Established Goals</u></p> <p>2009 NJCCC Standard(s), Strand(s)/CPI # (http://www.nj.gov/education/cccs/2009/final.htm)</p> <p>Common Core Curriculum Standards for Math and English (http://www.corestandards.org/)</p> <p>8.1 Educational Technology All students will use digital tools to access, manage, evaluate, and synthesize information in order to solve problems individually and collaboratively and to create and communicate knowledge. B. Creativity and Innovation C. Communication and Collaboration D. Digital Citizenship</p> <p>9.1 21st-Century Life & Career Skills All students will demonstrate the creative, critical thinking, collaboration, and problem-solving skills needed to function successfully as both global citizens and workers in diverse ethnic and organizational cultures. A. Critical Thinking & Problem Solving B. Creativity and Innovation C. Collaboration, Teamwork and Leadership</p>	<p style="text-align: center;"><u>21st Century Themes</u> (www.21stcenturyskills.org)</p> <p><input type="checkbox"/> Global Awareness <input checked="" type="checkbox"/> Financial, Economic, Business and Entrepreneurial Literacy <input type="checkbox"/> Civic Literacy <input type="checkbox"/> Health Literacy <input checked="" type="checkbox"/> Environmental Literacy</p> <hr/> <p style="text-align: center;"><u>21st Century Skills</u></p> <p><i>Learning and Innovation Skills:</i> <input checked="" type="checkbox"/> Creativity and Innovation <input checked="" type="checkbox"/> Critical Thinking and Problem Solving <input checked="" type="checkbox"/> Communication and Collaboration</p> <p><i>Information, Media and Technology Skills:</i> <input checked="" type="checkbox"/> Information Literacy <input checked="" type="checkbox"/> Media Literacy <input checked="" type="checkbox"/> ICT (Information, Communications and Technology) Literacy</p> <p><i>Life and Career Skills:</i> <input checked="" type="checkbox"/> Flexibility and Adaptability <input checked="" type="checkbox"/> Initiative and Self-Direction <input checked="" type="checkbox"/> Social and Cross-Cultural Skills <input checked="" type="checkbox"/> Productivity and Accountability <input checked="" type="checkbox"/> Leadership and Responsibility</p>

<p>D. Cross-Cultural Understanding and Interpersonal Communications E. Communication and Media Fluency F. Accountability, Productivity and Ethics</p> <p>9.4 Career and Technical Education All students who complete a career and technical education program will acquire academic and technical skills for careers in emerging and established professions that lead to technical skill proficiency, credentials, certificates, licenses, and/or degrees. C. Arts, A/V Technology, & Communications Career Cluster</p>	
<p><u>Enduring Understandings:</u> <i>Students will understand that . . .</i></p> <p><i>EU 1</i></p> <ul style="list-style-type: none"> • Every component within each frame is thoughtfully designed, and has separation so there is focus on the intended message. <p><i>EU 2</i></p> <ul style="list-style-type: none"> • Audio is half the message the audience experiences and therefore greatly affects the quality of the message. 	<p><u>Essential Questions:</u></p> <p><i>EU 1</i></p> <ul style="list-style-type: none"> • How can you focus the audience's attention within the frame? • How can you use depth of field to accomplish greater dynamics within the frame? • How does a director use framing, scale and angle to affect the psychology of the message? • How does camera movement impact the message? • How does the control of lighting affect the message? <p><i>EU 2</i></p> <ul style="list-style-type: none"> • Which audio devices are best for each recording situation? • How does the control of audio elements affect the message?

Knowledge:*Students will know . . .**EU 1*

- the camera controls that affect depth of field.
- camera framing terms.
- camera movement terms.
- lighting terms.
- different lighting techniques.

EU 2

- which microphone type is best for each situation.
- background found sound also tells a story and is important to control in the message.
- signal dynamics depend on distance, mic type, preamp gain and compression.

Skills:*Students will be able to . . .**EU 1*

- analyze the subject and background in every frame and make appropriate adjustments for aesthetically pleasing images.
- use depth of field to selectively focus along the z-axis.
- use smooth camera movement to capture interesting dynamic shots.
- analyze and adjust available lighting to capture mood and create different types of messages.

EU 2

- select the correct mic for each recording situation.
- record appropriate source vs background for different messages.
- record technically accurate signal in a variety of situations.

Stage 2 – Assessment Evidence**Recommended Performance Tasks:****Other Recommended Evidence:** *Tests, Quizzes, Prompts, Self-assessment, Observations, Dialogues, etc.*

- Online portfolio
- Self-assessment
- Teacher observations

- Class/group dialogues
- Quiz

Stage 3 – Learning Plan

Suggested Learning Activities to Include Differentiated Instruction and Interdisciplinary Connections: *Each learning activity listed must be accompanied by a learning goal of A= Acquiring basic knowledge and skills, M= Making meaning and/or a T= Transfer.*

- Refresh camera terms (A)
- Use the camera controls to get shallow and long depth of field indoors and outdoors (M)
- Capture a variety of shots listed in a checklist that are relevant to a chosen news topic. Also capture good audio levels and sounds that are relevant to the topic (T)
- Frame and shoot the news reporter with a relevant background to the chosen topic. Also capture good audio levels that do not clip (T)
- Frame and shoot an interview with at least 2 people most involved with the topic. Also capture good audio levels that do not clip (T)
- Light for a sit down interview in the studio (T)
- Light for a dramatic scene (T)

