



TV Production - Unit 1 - Professional Video and Editing Development

Unit Focus

While the focus of Intro to TV Studio was to accurately capture reality, this unit's primary objective is to "Make the video look better than reality". You will learn and practice a variety of skills pertaining to DSLR and mirrorless cameras, stabilization and editing. The PBA will have students apply these skills in creating a promotional video. The purpose of this video is to highlight the positive features and/or attributes of a club, team, course, civic group, person, place or location within the school community through the manipulation of the DSLR camera.

Stage 1: Desired Results - Key Understandings

Standard(s)	Transfer	
Connecticut Goals and Standards <i>Technology Education (CTE)</i> <ul style="list-style-type: none"> Describe, plan the use of, and apply 3-point lighting, source light, white balance, scrims, and reflectors using the appropriate techniques. <i>TE.DV.D.14</i> Describe the various types of sound equipment and techniques used with handheld, lavalier, shot gun, condenser, omni and directional methods. <i>TE.DV.D.15</i> Describe the equipment and personnel necessary for producing a studio production. <i>TE.DV.D.16</i> Describe the equipment and personnel necessary for producing a field production. <i>TE.DV.D.17</i> Describe white balance, iris, aperture, auto and manual focus, audio settings, and levels in camera operations. <i>TE.DV.E.18</i> Describe the following methods of stabilization: tripod, monopod, slider, steady cam, fluid head, friction head, and dolly. <i>TE.DV.E.20</i> Describe the rule of thirds, head room, lead room/talk space, establishing shot, extreme close up, close up, medium, medium wide, wide, extreme wide, and depth of field as it relates to camera composition/framing. <i>TE.DV.E.21</i> Describe and apply import, file, and asset management. <i>TE.DV.F.24</i> 	T1 Demonstrate professionalism through exhibiting attentiveness, growing from feedback, and adhering to industry standards (safety). T2 Explore and hone techniques, skills, methods, and processes to create and innovate.	
	Meaning	
	Understanding(s)	Essential Question(s)
	U1 Making video look better than reality requires thorough knowledge of camera settings, stabilization methods, shot compositions, and editing techniques.	Q1 How do I make moments look better than reality? Q2 Why is it important for each member of a production team to have an all-encompassing knowledge of the production process?
	Acquisition of Knowledge and Skill	
	Knowledge	Skill(s)
	K1 DSLR and Mirrorless Camera Settings <ul style="list-style-type: none"> Focal Length and Lens Decisions White Balance Aperture Shutter Speed Frames Per Second ISO Picture Profiles K2 Stabilization Methods	S1 Apply proper shot composition and stabilization techniques when conveying complex messages S2 Production: Capture professional grade video utilizing professional DSLR and Mirrorless camera functions S3 Post Production: Utilize editing software to hone message with color grading and compositing

Stage 1: Desired Results - Key Understandings

- Edit and finalize images and video for rough cut, transitions, color correction, keying, and pacing with nonlinear software. *TE.DV.F.25*
- Edit audio for voice over, sound levels, music, and sound effects with application software. *TE.DV.F.26*

ITEEA - Standards for Technological Literacy

Technological Literacy: K-12

- Students will develop an understanding of the role of society in the development and use of technology. *6*
- Students will develop the abilities to use and maintain technological products and systems. *12*
- Students will develop an understanding of and be able to select and use information and communication technologies. *17*

Student Growth and Development 21st Century Capacities Matrix

Creative Thinking

- Imagining: Students will be able to conceive of a novel approach to create a text, performance, solution, application, or inquiry. *MM.2.2*

Collaboration/Communication

- Product Creation: Students will be able to effectively use a medium to communicate important information (findings, ideas, feelings, issues, etc.) for a given purpose. *MM.3.2*

- Sliders
- Glidecam and Gimbal Stabilizer
- Shoulder Mounts

K3 Advanced Editing

- Final Cut Pro X In's and Outs
- Digitizing and Organizing
- Effects, Transitions, Titling
- Color Grading: Exposure, Saturation, Color
- Audio Mixing
- Compositing: Green Screen and Keyframing
- Exporting: File types

K4 Shot Composition

- Rule of Thirds
- Talk Space
- Head Room
- Frame within a Frame
- Converging Lines
- Lead Room