

# Arts, A/V Technology & Communications (2024): Digital Video Technology 1

Apply knowledge of the digital video technology program procedure. The students will be able to: **1.DVT.0**

- 1 Follow classroom procedures.** **1.DVT.1**
- 2 Follow industry safety rules, regulations and policies.** **1.DVT.2**
- 3 Demonstrate proper use and care of equipment.** **1.DVT.3**

Demonstrate an understanding of basic industry terminology and acronyms. The student will be able to: **2.DVT.0**

- 1 Define trade terminology, including the four steps of the production process.** **2.DVT.1**
- 2 Define trade abbreviations and acronyms when appropriate.** **2.DVT.2**

Collaborate with others as an effective member of a digital video team. The student will be able to: **3.DVT.0**

- 1 Understand the job functions of a digital video team.** **3.DVT.1**
- 2 Give and follow directions.** **3.DVT.2**
- 3 Function as a member of a team.** **3.DVT.3**
- 4 Set and adhere to production deadlines established by others.** **3.DVT.4**
- 5 Critique and analyze a production.** **3.DVT.5**

Demonstrate professionalism and personal responsibility. The student will be able to: **4.DVT.0**

- 1 Discuss how to legally obtain and use source materials.** **4.DVT.1**
- 2 Explain basic copyright laws and issues related to digital video production.** **4.DVT.2**
- 3 Discuss appropriate responses to feedback.** **4.DVT.3**

Understand and demonstrate the steps in the digital video pre-production process. The student will be able to **5.DVT.0**

- 1 05.01 Identify and perform the components of the pre-production phase (e.g., purpose, script writing, target audience, schedule, and distribution method).** **5.DVT.1**
- 2 Identify the format/segment type, audience, and genre.** **5.DVT.2**

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**3 Explain the components of a pitch, storyboard, and script.** 5.DVT.3

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**4 Select the appropriate location(s) for the specified program type.** 5.DVT.4

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**5 Establish feasible production deadlines.** 5.DVT.5

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**Interpret scripts for digital video technology. The student will be able to:** 6.DVT.0

**1 Define the terminology used in script writing.** 6.DVT.1

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**2 Identify a script by format, function, and utilization.** 6.DVT.2

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**3 Specify the steps that lead to a complete script.** 6.DVT.3

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**4 Write a script in an appropriate format.** 6.DVT.4

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**Understand and demonstrate the digital video production process. The student will be able to:** 7.DVT.0

**1 Identify and perform the components of the production phase (e.g., selecting equipment, operating equipment, interviewing, directing, lighting, and audio).** 7.DVT.1

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**2 Summarize the roles of the various personnel for video production projects (e.g., producer, director, editor, camera operator).** 7.DVT.2

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**3 Identify and perform commonly used camera shots, angles, and movements.** 7.DVT.3

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**4 Plan and execute shot to obtain the required action/footage in studio and/or field production environments.** 7.DVT.4

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**5 Perform basic field production tasks that include camera, lighting, and sound responsibilities.** 7.DVT.5

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**Use basic camera equipment. The student will be able to:** 8.DVT.0

**1 Set up, turn on, and operate a video camera.** 8.DVT.1

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**2 Identify and demonstrate basic video composition principles (e.g. rule of thirds, leading lines, rule of 180)** 8.DVT.2

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**3 Identify elements that make a quality video image, both in its composition and technical nature.** 8.DVT.3

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**4 Identify and select appropriate equipment for a specific production.** 8.DVT.4

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**5 Record, transfer, store, and play assets from various media.** 8.DVT.5

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**Identify lighting needs for a planned production. The student will be able to:** 9.DVT.0

**1 Explain the use of basic lighting equipment.** 9.DVT.1

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**2 Define light quality in terms of intensity, color, direction, and characteristics.** 9.DVT.2

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**3 Analyze lighting needs for a production.** 9.DVT.3

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**4 Set up appropriate lighting for a production (one-, two-, three- point lighting, etc.).** 9.DVT.4

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**Understand basic audio operations. The student will be able to:** 10.DVT.0

**1 Compare and contrast various microphone types.** 10.DVT.1

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**2 Determine optimal microphone placement.** 10.DVT.2

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**3 Establish appropriate recording conditions.** 10.DVT.3

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**4 Identify, select, and demonstrate the use of appropriate microphones for a production (pick-up pattern, directionality, etc.).** 10.DVT.4

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**5 Identify the elements of a quality audio track.** 10.DVT.5

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**6 Set up audio recording equipment.** 10.DVT.6

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**7 Perform pre-production sound checks.** 10.DVT.7

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**8 Record production sound.** 10.DVT.8

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**Demonstrate the ability to perform on camera. The student will be able to:** 11.DVT.0

**1 Practice appropriate on-camera performance skills (e.g., appearance, gestures, and posture).** 11.DVT.1

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**2 Demonstrate appropriate speaking skills for an on-camera performance (e.g., pitch, tone, emphasis, inflection, enunciation, and timing).** 11.DVT.2

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**3 Perform as talent in a production.** 11.DVT.3

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**Demonstrate understanding of the digital video post-production process. The student will be able to:** 12.DVT.0

**1 List the components of the post-production phase (e.g., video and audio editing, graphics, and distribution method).** 12.DVT.1

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**2 Understand production values (e.g., continuity).** 12.DVT.2

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**3 Define appropriate audio and video digital compression and signal types.** 12.DVT.3

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**4 Explain the need for data management.** 12.DVT.4

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**5 Organize and evaluate materials for editing.** 12.DVT.5

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**6 Perform basic editing functions (cuts, transitions, etc.).** 12.DVT.6

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**7 Mix audio and video resources in appropriate sequence for the final cut.** 12.DVT.7

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**Operate an editing system. The student will be able to** 13.DVT.0

**1 Select the best source material such as voiceover (VO), sound on tape (SOT) and b-roll to achieve program goals** 13.DVT.1

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**2 Combine elements into a program.** 13.DVT.2

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**3 Control video clips and effects.** 13.DVT.3

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**4 Control audio mix and effects..** 13.DVT.4

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**5 Prepare basic graphics for a production.** 13.DVT..5

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**Understand the value of graphics in a production. The student will be able to:** 14.DVT.0

**1 Demonstrate an understanding of graphic image types, file formats, and technical requirements for a production.** 14.DVT.1

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**2 Understand text, font, colors, title safe area, lower thirds, and placement.** 14.DVT.2

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**3 Determine the graphic requirements for a production.** 14.DVT.3

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**4 Edit basic graphics into a program or segment using editing software. 0** 14.DVT.4

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**5 Demonstrate the ability to use type, color, composition, and graphic elements.** 14.DVT.5