Arkansas CTE

# Fundamentals of Audio/Video, Tech and Film: Grades 9, 10, 11, 12

Adopted 2007

## Fundamental Audio/Video Technology and Film

**1.1 Define terms related to audio-video communication process**

1. Use terminology correctly and appropriately 1.1.1

**1.2 Identify different forms of communication (oral, written, visual expression)**

1. Compare the uses and processes of each form and how it relates to the other forms 1.2.1
2. Demonstrate the effective use of visual communication 1.2.2
3. Demonstrate the effective use of written communication 1.2.3
4. Demonstrate the effective use of oral communication 1.2.4
5. Apply active listening skills to obtain and clarify information 1.2.5

**1.3 Discuss verbal and nonverbal cues/behaviors to enhance communication with co-workers and participants**

1. Interpret verbal and nonverbal clues to enhance communication 1.3.1
2. Interpret visual communication processes used to convey messages to various audiences through audio-visual technology productions 1.3.2

**1.4 List the purposes of AVT (Audio-Visual Technology) communication (inform, document, persuade, entertain)**

1. Analyze examples of AVT communication and identify the purpose 1.4.1

**1.5 Define ethical and legal responsibilities in AVT communication**

1. Analyze the differences between ethical principles and laws concerning the AVT field 1.5.1
2. Exhibit professional and ethical conduct concerning AVT projects 1.5.2
3. Summarize copyright laws and describe documents and forms needed for permission to use media under copyright laws 1.5.3

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**Identify the need for research for communication productions**

1. Locate specific sources of research for specific topics 1.6.1

2. Demonstrate the ability to research specific sources 1.6.2
3. Justify sources' validity 1.6.3

**1.7 Identify milestones in the history of AVT production and film**

1. Create a timeline of the sequence of major events in the development of the film industry 1.7.1

**Career and Employability Skills**

**2.1 Define terminology related to career and employability skills required in the AVT pathway**

1. Use terminology correctly and appropriately 2.1.1

**2.2 Identify and explore career opportunities in the AVT and film pathway**

1. Research and analyze various careers and job descriptions in the AVT and film pathway 2.2.1
2. Create a presentation highlighting a career in this pathway, skills required, characteristics and abilities needed for success in that career 2.2.2

**2.3 Examine employability skills needed to obtain and have success in job performance in the AVT and film pathway**

1. Demonstrate positive work behaviors and personal attitudes required for work related to this pathway 2.3.1
2. Manage resources used in AVT projects (time, equipment, etc.) 2.3.2
3. Prepare simple reports and other business applications 2.3.3

**2.4 Identify how to seek and interview for career positions in this pathway**

1. Demonstrate interviewing skills 2.4.1
2. Produce a resume and maintain an electronic portfolio of work 2.4.2

**Technical Skills**

**3.1 Define terminology related to the equipment and skills required in the AVT pathway**

1. Use terminology correctly 3.1.1

**3.2 Identify the basic equipment and skills related to audio production**

1. Apply knowledge of basic audio recording to productions 3.2.1
2. Demonstrate how to record and mix audio 3.2.2
3. Compare analog and digital audio formats 3.2.3

**3.3 Identify equipment and skills related to video production**

1. Demonstrate knowledge of basic lighting requirements for video production 3.3.1
2. Summarize the difference between analog and digital video formats 3.3.2

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3. Demonstrate the proper use and care of different types of video cameras 3.3.3
4. Demonstrate camera operations, composition, and format to record video for a production 3.3.4
5. Demonstrate the video indexing process and evaluate raw footage 3.3.5
6. Construct computer based files (graphics and/or animation) to be used in a video production 3.3.6

**3.4 Identify the basic functions and resources for editing**

1. Apply knowledge of basic editing to linear or non-linear systems 3.4.1
2. Demonstrate using software to edit a video 3.4.2
3. Create a digital tutorial/guide for an editing program 3.4.3

**3.5 Identify the need for technical support techniques for audio and video presentations**

1. Discuss how to troubleshoot audio problems with equipment and audio-video system operations by identifying problems and possible solutions 3.5.1
2. Demonstrate basic preventative maintenance 3.5.2
3. Demonstrate proper cabling for audio-video production presentations 3.5.3

**Technology and Film Production**

**4.1 Define terminology related to the production of products in the AVT pathway**

1. Demonstrate knowledge of these terms 4.1.1

**4.2 Identify the stages of the audio-video production process**

1. Summarize the activities or elements of each of the stages of audio-visual production 4.2.1
2. Critique a production to determine how various elements result in a successful or unsuccessful production 4.2.2

**4.3 List the activities that would fall under pre-production**

1. Create a storyboard for a video presentation/production 4.3.1
2. Develop a timeline for a video production 4.3.2
3. Design a plan for a production including equipment lists, shot lists, and other requirements 4.3.3

**4.4 List activities that would fall under the production stage of audio-video productions**

1. Execute the production of a storyboard as a production or presentation 4.4.1
2. Analyze the effect that post-production plans have on production activities 4.4.2

**4.5 List types of post-production activities**

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1. Compare and contrast different formats of post-production such as web, computer presentations, VHS and DVD 4.5.1

2. Evaluate the best form of post-production for one specific video presentation and use it to complete a production 4.5.2

**4.6 Describe the production process with a small group**

1. Design, create, and present a video production within a small group using all stages of the production process 4.6.1
2. Critique the production 4.6.2

**4.7 Describe the production process within a setting of a large group**

1. Compare and contrast the production stages of large groups to small group or individual projects 4.7.1
2. Design, create, and present a large group video production 4.7.2

**4.8 Define teamwork in context of production skills**

1. Describe jobs of team members for production teams 4.8.1
2. Take on various team-member roles in the development of a video production 4.8.2

**4.9 Identify how various pathways in this cluster work together to produce products**

1. Analyze a production and identify interrelated activities and skill requirements from the various pathways 4.9.1