

# STRANDS AND STANDARDS

## VIDEO PRODUCTION 1



### Course Description

This course is designed to provide students with the basic knowledge and skills related to the video production industry. This includes instruction and hands-on assignments in the following areas: camera operation, audio systems, lighting systems, pre-production, studio operations, control room operations, visual effects and graphics, and copyright laws.

<b>Intended Grade Level</b>	10-12
Units of Credit	0.5
Core Code	40.01.00.00.030
Concurrent Enrollment Core Code	40.01.00.13.030
Prerequisite	None
Skill Certification Test Number	592
Test Weight	0.5
<b>License Type</b>	CTE and/or Secondary Education 6-12
<b>Required Endorsement(s)</b>	
Endorsement 1	Television Broadcasting
Endorsement 2	N/A
Endorsement 3	N/A



## STRAND 1

**Students will be able to understand and demonstrate the process of pre-production.**

### Standard 1

Demonstrate understanding of basic storytelling principles, including:

- People, Place, Plot, Purpose

### Standard 2

Create a storyboard.

### Standard 3

Organize and plan a production, including:

- Shot list
- Shoot schedule
- Crew and cast responsibilities.

### Performance Skill

Understand and demonstrate the process of pre-production.

- Demonstrate understanding of basic storytelling principles.
- Create a storyboard.
- Organize and plan a production.

## STRAND 2

**Students will be able to understand and demonstrate the correct operation of the camera.**

### Standard 1

Identify the basic functions of the main parts of a camera, including:

- Image sensors
- Lens
- Body
- Viewfinder

### Standard 2

Demonstrate understanding of basic camera operations, including:

- Focus
- White balance, both indoors and outdoors
- Basic exposure involving the iris/aperture and shutter speed
- Recording settings
  - Format
  - Current camera resolutions (720, 1080, 4K, etc.)
  - Appropriate frame rates and their uses.

## Standard 3

Demonstrate understanding of basic camera supports, including:

- Tripod
- Monopod

## Standard 4

Identify and demonstrate effective shot composition (framing).

- Rule of thirds
- Nose room vs. Lead room
- Head room
- Two shot

## Standard 5

Identify and demonstrate effective use of various shot selections, including:

- Wide or long (LS)
- Medium (MS)
- Close-up (CU)
- Extreme close-up (ECU)

## Standard 6

Identify and demonstrate effective use of various camera movements, including:

- Pan
- Truck
- Dolly
- Arc
- Pedestal
- Tilt
- Zoom

## Standard 7

Identify and demonstrate effective use of various camera angles, including:

- High angle
- Eye level
- Low angle

## Performance Skill

Understand and demonstrate the correct operation of the camera.

- Identify the basic functions of the main parts of a camera.
- Demonstrate understanding of basic camera operations.
- Demonstrate understanding of basic camera supports.
- Identify and demonstrate effective shot composition (framing).
- Identify and demonstrate effective use of various shot selections.
- Identify and demonstrate effective use of various camera movements.
- Identify and demonstrate effective use of various camera angles.

## STRAND 3

**Students will be able to understand and demonstrate procedures for recording and editing audio.**

### Standard 1

Identify various types of microphones and filters and demonstrate appropriate use of each.

- Microphone types
  - Lavalier
  - Handheld mic
  - Shotgun/Boom mic
- Filters
  - Pop filter
  - Wind screen

### Standard 2

Demonstrate effective editing of audio recordings.

- Identify and set appropriate audio levels for different audio types:
  - Dialogue
  - Sound effects
  - Music
  - Clipping
- Understand and demonstrate effective control of ambient sound.

### Standard 3

Identify and use various audio connectors, including:

- XLR
- 1/8" mini plugs [stereo & mono]

### Performance Skill

Understand and demonstrate procedures for recording and editing audio.

- Identify various types of microphones and filters and demonstrate appropriate use of each.
- Demonstrate effective editing of audio recordings.
- Identify and use various audio connectors.

## STRAND 4

**Students will be able to understand and demonstrate knowledge of basic lighting principles.**

### Standard 1

Demonstrate understanding of three-point lighting and its components:

- Key light
- Fill light
- Back or Halo light

## Standard 2

Setup and use lighting appropriately for various situations, including:

- Natural vs. artificial light
- Chroma key

## Performance Skill

Understand and demonstrate knowledge of basic lighting principles.

- Demonstrate understanding of three-point lighting and its components.
- Setup and use lighting appropriately for various situations.

## STRAND 5

**Students will be able to understand and demonstrate knowledge of post-production.**

### Standard 1

Demonstrate appropriate file management and archiving processes.

- Transferring
- Organizing
- Naming

### Standard 2

Demonstrate effective editing workflows.

- Preview media
  - Trim
- Rough cut
  - Cuts
  - Transitions
- Tighten sequence
- Filters/effects
  - Graphics
  - Keyframe animation
- Export

### Standard 3

Understand and demonstrate effective output of media.

- Understand and use appropriate settings for desired output (i.e., web, mobile, movie screen, TV, etc.)
  - Codecs (h.264, ProRes, XAVC, etc.)
  - Containers (.MP4, .MOV, etc.)
  - Resolutions (720, 1080, 4K, etc.)
  - Frame per second

## Performance Skill

Understand and demonstrate knowledge of post-production.

- Demonstrate appropriate file management and archiving processes.
- Demonstrate effective editing workflows.
- Understand and demonstrate effective output of media.

## STRAND 6

**Students will be able to understand and practice copyright laws, ethics and legal issues as identified in United States Code Title 17 Chapter 1 Section 101.**

### Standard 1

Define copyright, public domain, fair use, creative commons, and ethics.

### Standard 2

Practice ethics and rules governing photojournalism.

- Fair use
- Time limitations
- Copying and distribution limitations

## STRAND 7

**Students will understand the importance of career readiness skills as it relates to the workplace and outlined in the SkillsUSA Framework – Level 1.**

### Standard 1

Understand and demonstrate the attitude of cooperation.

- Develop awareness of cultural diversity and equality issues.
- Demonstrate effective communication with others.
- Apply team skills to a group project.
- Identify and apply conflict resolution skills.

### Standard 2

Understand and demonstrate the ability of being resourceful and innovative.

- Discover self-motivation techniques and establish short-term goals.
- Measure/modify short-term goals.
- Review a professional journal and develop a three- to five-minute presentation.

### Standard 3

Plan for your future career.

- Complete a self-assessment and identify individual learning styles.
- Define future occupations.
- Identify the components of an employment portfolio.
- List proficiency in program competencies.

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- Complete a survey for employment opportunities.
- Create a job application.
- Assemble your employment portfolio.
- Employability skills: evaluate program comprehension.

### Standard 4

Understand and demonstrate the ability to manage a project.

- Apply team skills to a group project.
- Observe and critique a meeting.
- Demonstrate business meeting skills.
- Explore supervisory and management roles in an organization.
- Identify and apply conflict resolution skills.
- Demonstrate evaluation skills.
- Manage a project and evaluate others.

### Skill Certificate Test Points by Strand

Test Name	Test #	Number of Test Points by Strand							Total Points	Total Questions
		1	2	3	4	5	6	7		
Video Production 1	592	3	15	6	4	11	1	0	40	35