

Video Production 1

Exam Information	Description																
Exam number 592 Items 38 Points 73 Prerequisites None Recommended course length One semester National Career Cluster Arts, A/V Technology & Communications Performance standards Included (Optional) Certificate available Yes	<p>The Video Production 1 industry certification exam is designed to introduce students to the essential skills and knowledge required for the video production industry. Students will learn how to operate cameras, audio equipment, lighting equipment, and editing software. Students will also practice planning, producing, and post-producing video projects in various genres and formats. Additionally, students will explore studio and control room operations, visual effects and graphics, and copyright laws.</p>																
	Exam Blueprint <table> <tr> <th>Standard</th><th>Percentage of exam</th></tr> <tr> <td>1. Pre-Production</td><td>7%</td></tr> <tr> <td>2. Camera Operation</td><td>39%</td></tr> <tr> <td>3. Recording and Editing Audio</td><td>15%</td></tr> <tr> <td>4. Basic Lighting Principles</td><td>15%</td></tr> <tr> <td>5. Post-Production</td><td>22%</td></tr> <tr> <td>6. Copyright Laws, Ethics, and Legal Issues</td><td>2%</td></tr> <tr> <td>7. Professional Skills (optional)</td><td>0%</td></tr> </table>	Standard	Percentage of exam	1. Pre-Production	7%	2. Camera Operation	39%	3. Recording and Editing Audio	15%	4. Basic Lighting Principles	15%	5. Post-Production	22%	6. Copyright Laws, Ethics, and Legal Issues	2%	7. Professional Skills (optional)	0%
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Standard 1

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

Objective 1 Demonstrate understanding of basic storytelling principles, including:

1. Beginning
2. Middle
3. End

Objective 2 Create a storyboard

Objective 3 Organize and plan production, including:

1. Shot List
2. Shoot Schedule
3. Cast and crew responsibilities

Standard 1 Performance Evaluation included below (Optional)

Performance Skill

1. Understand and demonstrate the process of pre-production.
2. Demonstrate understanding of basic storytelling principles.
3. Create a storyboard.
4. Organize and plan a production.

Standard 2

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

Objective 1 Identify the basic functions of the main parts of a camera, including:

1. Sensors
2. Lens
3. Body
4. Electronic Viewfinder or LCD (Liquid Crystal Display) screen

Objective 2 Demonstrate understanding of basic camera operations, including:

1. Focus
2. White balance, both indoors and outdoors
3. Basic exposure involving the iris/aperture and shutter speed
4. Recording settings
 - a. Current camera resolutions (1080 HD, 4K, etc.)
 - b. Frame rates and their uses. (24, 30, 60, 120, etc.)

Objective 3 Demonstrate proper use of camera supports, including:

1. Tripod
2. Monopod

Objective 4 Identify and demonstrate effective shot composition (Framing)

1. Rule of thirds

Objective 5 Identify and demonstrate effective use of various shot selections, including:

1. Wide (WS)
2. Medium (MS)
3. Close up (CU)
4. Extreme close up (ECU)

Objective 6 Identify and demonstrate effective use of various shot selections, including:

1. Pan/Tilt
2. Dolly
3. Zoom

Objective 7 Identify and demonstrate effective use of various camera angles, including:

1. High Angle
2. Eye Angle
3. Low Angle

Standard 2 Performance Evaluation included below (Optional)

Performance Skill

1. Understand and demonstrate the correct operation of the camera.
2. Identify the basic functions of the main parts of a camera.
3. Demonstrate understanding of basic camera operations.
4. Demonstrate understanding of basic camera supports.
5. Identify and demonstrate effective shot composition (framing).
6. Identify and demonstrate effective use of various shot selections.
7. Identify and demonstrate effective use of various camera movements.
8. Identify and demonstrate effective use of various camera angles.

Standard 3

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

Objective 1 Identify various types of microphones and demonstrate appropriate use of each:

1. Microphone types
 - a. Lavalier
 - b. Handheld mic
 - c. Shotgun/Boom mic
2. Audio Connector
 - a. 1/8" Stereo
 - b. 1/8" Mono

Objective 2 Demonstrate effective audio recordings

1. Understand and demonstrate effective control of ambient sound.
2. Understand and demonstrate appropriate levels while recording.
3. Clipping

Objective 3 Demonstrate effective audio editing.

1. Identify and set appropriate audio levels for different audio types:
 - a. Dialogue
 - b. Sounds effects
 - c. Music

Standard 3 Performance Evaluation included below (Optional)

Performance Skill

1. Understand and demonstrate procedures for recording and editing audio.
2. Identify various types of microphones and demonstrate appropriate use of each.
3. Demonstrate effective recording of audio.
4. Demonstrate effective editing of audio recordings.

Standard 4

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

Objective 1 Demonstrate understanding of three-point lighting and its components:

1. Key Light
2. Fill Light
3. Back Light

Objective 2 Setup and use lighting appropriately for various situations, including:

1. Natural vs. Artificial Light

Standard 4 Performance Evaluation included below (Optional)

Performance Skill

1. Understand and demonstrate knowledge of basic lighting principles.

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

Standard 5

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

Objective 1 Demonstrate appropriate file management.

1. Transferring
2. Organizing
3. Naming

Objective 2 Demonstrate effective editing workflows.

1. Preview media
2. Rough Edit
3. Final Cut
4. Export

Objective 3 Demonstrate the use of filters and effects.

1. Graphics/Titles
2. Keyframe animation
3. Chroma key

Objective 4 Understand and demonstrate effective output of the media.

1. Understand and use appropriate settings for desired output:
2. File Name & Location
3. Aspect Ratio (Horizontal or Vertical)
4. Resolutions (1080, 4K, etc.)
5. File Type (MP4, MOV, etc.)
6. File Size (H.264, ProRes, etc.)

Standard 5 Performance Evaluation included below (Optional)

Performance Skill

1. Understand and demonstrate knowledge of post-production.
2. Demonstrate appropriate file management
3. Demonstrate effective editing workflows.
4. Understand and demonstrate effective output of the media.

Standard 6

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

Objective 1 Define and demonstrate copyright, licensing, and creative commons.

Standard 7

Students will understand and demonstrate the importance of career readiness and professionalism skills related to the workplace.

Objective 1 Explore career options related to course content.

Objective 2 Explore and participate in cocurricular activities related to course content.

1. Career Technical Student Organizations (CTSO's)
 - a. SkillsUSA
 - b. Technology Student Association
2. Other State and National Organizations
3. Related technical competitions

Workplace Skills

Workplace skills should be practiced and improved daily in the classroom to help students become efficient and reliable employees.

1. Communication
2. Problem Solving
3. Teamwork
4. Critical Thinking
5. Dependability
6. Accountability
7. Legal requirements/expectations

Video Production 1

Performance assessments may be completed and evaluated at any time during the course. The following performance skills are to be used in connection with the associated standards and exam. To pass the performance standard the student must attain a performance standard average of 8 or higher on the rating scale. Students may be encouraged to repeat the objectives until they average 8 or higher.

Student's Name: _____

Class: _____

Performance standards rating scale

0	Limited skills	2	→	4	Moderate skills	6	→	8	High skills	10
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Standard 1 – Pre-production

Score:

- Understand and demonstrate pre-production (field/studio)

Standard 2 – Camera Operation

Score:

- Understand and demonstrate camera operation

Standard 3 – Recording and Editing Audio

Score:

- Understand and demonstrate audio systems and how they are used
- Understand and demonstrate knowledge of the function of various cables and connectors

Standard 4 – Basic Lighting Principles

Score:

- Understand and demonstrate lighting systems and how they are used

Standard 5 – Post-Production

Score:

- Understand and demonstrate post-production
- Understand and demonstrate visual effects and graphics

Standard 6 – Copyright Laws, Ethics, and Legal Issues

Score:

- Understand and practice copyright laws, ethics, and legal issues dealing with photography as identified in the United States Code Title 17 Chapter 1 Section 101

Standard 7 – Professional Skills

Score:

- Understanding of Video Production as a profession and will develop professional skills for the workplace

Performance standard average score:

Evaluator Name: _____

Evaluator Title: _____

Evaluator Signature: _____

Date: _____