STAGECRAFT 50.0500.20

TECHNICAL STANDARDS

An Industry Technical Standards Validation Committee developed and validated these standards on October 17, 2017. The Arizona Career and Technical Education Quality Commission, the validating authority for the Arizona Skills Standards Assessment System, endorsed these standards on January 25, 2018.

Note: Arizona's Professional Skills are taught as an integral part of the Stagecraft program.

The Technical Skills Assessment for Stagecraft is available SY2018-2019.

Note: In this document i.e. explains or clarifies the content and e.g. provides examples of the content that must be taught.

STANDARD 1.0 RECOGNIZE STAGECRAFT FUNDAMENTALS THAT MAKE A PRODUCTION SUCCESSFUL

1.1 Identify the technical aspects of theatrical production (e.g., constructing and rigging scenery; hanging and focusing of lighting; design and procurement of costumes; make-up; stage management; audio engineering; and procurement of props)

1.2 Describe the production process in terms of strategies, implementation, and execution

1.3 Identify the technical roles and their responsibilities to the production process

1.4 Explain the relationship between a design and planning and executing a production to its fruition

1.5 Communicate using technical production terminology

STANDARD 2.0 APPLY ESSENTIAL PRODUCTION AND CONSTRUCTION TECHNIQUES RELATIVE TO SCENERY

2.1 Practice shop and safety procedures (i.e., cleaning, maintaining equipment, storage of materials, etc.)

2.2 Explain production design documentation as it applies to scenery

2.3 Select specific construction materials, techniques, tools, and hardware as necessary for the task

2.4 Select appropriate scenic painting techniques and supplies

2.5 Apply fundamental scenic painting techniques (i.e., thinning paint, scumbling, spattering, etc.)

2.6 Maintain proper care of tools and supplies

STANDARD 3.0 DEMONSTRATE BASIC PRODUCTION TECHNIQUES RELATIVE TO COSTUMES

3.1 Practice shop and safety protocols as they apply to fitting and adjusting costumes (i.e., sewing, ironing, etc.)

3.2 Explain production design documentation as it applies to costumes

3.3 Interpret a pre-made pattern to construct a costume

3.4 Identify costume construction materials, tools, and hardware

3.5 Apply appropriate construction techniques based on the type of fabric

3.6 Organize quick changes, costume repairs, and general maintenance through the run of a show

STANDARD 4.0 DEMONSTRATE BASIC PRODUCTION TECHNIQUES RELATIVE TO MAKEUP

4.1 Practice shop safety and health protocols as they apply to the application and removal of makeup (i.e., hygiene for hands and makeup supplies, personal makeup, care of makeup, etc.)

4.2 Explain production design documentation as it applies to makeup

4.3 Select appropriate makeup materials, tools, and equipment

4.4 Apply appropriate application techniques based on the type of fabric

STANDARD 5.0 DEMONSTRATE BASIC PRODUCTION, CONSTRUCTION, AND ACQUISITION RELATIVE TO PROPERTIES

5.1 Practice shop safety and personal protocols as they apply to production construction and acquisition

5.2 Explain production design documentation as it applies to properties

5.3 Select construction materials, techniques, tools, and hardware as needed

5.4 Organize and maintain properties table for the run of a show

STANDARD 6.0 DEMONSTRATE SAFE RIGGING PRACTICES

6.1 Practice all rigging and safety protocols (i.e., restricted access, signage, proper training, etc.)

6.2 Demonstrate proficiency in clove-hitch, bowline, half-hitch, and snub knots

6.3 Identify all types of counterweight systems (i.e., single- and double-purchase theatrical rigging systems)

6.4 Distinguish between motorized rigging systems (e.g., packaged hoists, line shafts, and chain motors)

6.5 Identify appropriate rigging hardware

STANDARD 7.0 CHARACTERIZE TYPES OF SOFT GOODS EMPLOYED BY THEATERS

7.1 Practice safety and personal protocols as they apply to soft goods

7.2 Appraise fundamental types of soft goods (e.g., legs, borders, scrims, drops, cyclorama, and traveler)

7.3 Apply appropriate handling, hanging, and folding techniques for drapes

STANDARD 8.0 DEMONSTRATE PRODUCTION LIGHTING TECHNIQUES

8.1 Practice appropriate safety lighting protocols including electrical, rigging, etc.

8.2 Apply Ohm's law

8.3 Identify lighting instruments and their uses (i.e., PAR, Strip, Scoop, House lights, Work lights, etc.)

8.4 Recognize major lighting protocols (i.e., DMX512, sACN, Art-Net, etc.)

8.5 Maintain conventional lighting equipment (i.e., Fresnel, Ellipsoidal, PAR, etc.)

8.6 Apply the fundamentals of lighting board operation and addressing

8.7 Explain lighting plot design documentation as it applies to lighting

8.8 Hang and focus lighting instruments including cabling

8.9 Identify basic lighting accessories (i.e., barn doors, irises, top hats, gel frames, gobo, etc.)

STANDARD 9.0 DEMONSTRATE BASIC PRODUCTION AUDIO TECHNIQUES

9.1 Employ safety protocols including electrical, rigging, etc.

9.2 Distinguish among microphones, speakers, amplifiers, and peripherals

9.3 Operate an audio system (i.e., console, cabling connection, signal flow, etc.)

9.4 Interpret production documentation as it applies to audio

9.5 Utilize playback software

STANDARD 10.0 PERFORM TASKS NECESSARY TO SUPPORT THE PRODUCTION

10.1 Demonstrate stage safety protocols

10.2 Operate various stage mechanics (i.e., rigging, turntables, hydraulics, etc.)

10.3 Load-in and strike production elements on stage

10.4 Establish and use proper backstage decorum

10.5 Implement the care and upkeep of the performance space and work areas

STANDARD 11.0 PRACTICE MARKETABLE PROFESSIONAL SKILLS

11.1 Exhibit computer literacy as related to technical production reports

11.2 Develop a technical production portfolio and résumé

11.3 Assemble a toolkit with essential hardware (i.e., crescent wrench, box cutter, meters, screwdrivers, pliers, etc.)

11.4 Identify social networks to appropriately further your career

11.5 Characterize the role of unions and professional affiliations as they relate to theater and related industries

11.6 Acquire job, internship, and higher/continuing education opportunities including scholarships in technical production

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STANDARD 12.0 EMPLOY SAFE PRACTICES AND PERSONAL PROTECTION

12.1 Use personal protective equipment (PPE) for the task

12.2 Inspect ladders at frequent intervals for safety

12.3 Follow safe practice codes of fall protection for heights above 7.5 feet.

12.4 Identify key components within the SDS

12.5 Recognize risk associated with production (i.e., set construction, special effects, electrics, etc.)

12.6 Demonstrate safe handling and storage of materials

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