



## **Technical Theater Sample Assessment**

**Multiple-Choice Test Code: 7700 (Multiple-Choice)**

**Performance Test Codes: 7707 (Costume), 7708 (Make-Up and Hair),  
7709 (Construction), 7728 (Electrics),  
7729 (Sound), 7730 (Stage Management)**

**Version: 01**

### **Understanding Technical Theater**

Perform the duties associated with broad content areas in technical theater

Demonstrate knowledge of the sequence of stage production

Understand and apply the basic mathematical concepts that apply to technical theater duties

Understand and observe all safety procedures required in technical theater

### **Costuming/Make-up and Hair**

Perform basic hand and machine stitching

Take measurements and perform fittings

Label costumes, accessories and shoes

Organize accessory bags and wardrobe racks

Set-up and organize a quick change booth

Apply/create a character makeup design for three to five actors for a performance

Use basic make-up techniques in performance

Identify and use costume and make-up resources including shops and suppliers

Create a list of the range of fabric and appropriate applications or use for costume construction

Perform basic costume maintenance including laundry and repairs

Prepare a wardrobe plot for each character in a script

List the basic hair and wig requirements for a show from an examination of the script

Create and use budgets for costume, make-up and hair expenditures

## **Technical Theater Sample Assessment (Continued)**

### **Scenic and Prop Construction**

Identify the common components of scenery construction  
Build standard scenery including platform, bracing, flat, and rails  
Measure and work in scale from a ground plan or working drawing  
Read construction plans e.g., elevations and ground plans  
Create technical drawings  
Create a cut list for scenic construction  
Lay out the set placement on stage  
Spike scenic units in the performance space  
Use bearing loads in platform construction  
Scenic painting materials, methods and processes  
Use basic shop math for measuring  
Follow and enforce all safety procedures required in carpentry work  
Create and use scenic budgets  
Use basic theater rigging techniques and rigging theory

### **Electrics**

Identify the basic types and components of lighting instruments  
Hang and focus lighting equipment  
Change lamps and gels in standard lighting equipment  
Circuit and patch lighting equipment  
Read lighting plots and lighting paperwork  
Use lighting equipment templates to draw lighting symbols on a hang plot  
Demonstrate knowledge of basic color temperature and color theory  
Identify electrics rigging and lighting positions in the theater  
Operate/program/maintain lighting equipment including spotlights, light boards, etc.  
Use math and basic electrical formulas for stage electricians  
Follow and enforce all safety procedures required in electrics work  
Create and use electrics budgets

### **Properties**

Create properties paperwork and running sheets from an existing script  
Lay-out and label a prop table  
Construct and repair basic props using a variety of materials and skills  
Identify techniques for constructing props including paper mache, foam, and other materials  
Demonstrate knowledge of prop safety construction and use  
Create and use properties budget

### **Running Crews**

Follow cues from headset and cue lights  
Read cue sheets and run show accordingly  
Understand and use rigging systems and operations  
Discuss and outline the roles of various crew positions  
Strike organization and recycling  
Outline in discussion or writing the procedures for deck safety  
Walk the stage area to trouble shoot for safety issues

## **Technical Theater Sample Assessment (Continued)**

### **Stage Management**

Create a timeline and flow chart to demonstrate the rehearsal and production processes  
Create a prompt book to be used in the production of a theater event  
Create call sheets and scene breakdown paperwork to be used in the production of a theater event  
Direct the various crews in running rehearsals and performances  
Create prop running paperwork in conjunction with the prop crew  
Generate rehearsal and show reports  
Demonstrate knowledge of communication methods for serving as the liaison  
Generate rehearsal schedules in conjunction with the director  
Create and stock a basic stage management kit  
Tape out a rehearsal room by reading drawings and ground plans  
Supervise the deck crew in glow taping stage set and set-up of safety lights  
Organize and run an audition  
Run a dry technical rehearsal  
Create and use production budgets

### **Sound**

Analyze script to create a cue list for sound  
Identify common sound equipment and components  
Microphone technique and positioning  
Assemble sound system to enhance appropriate sound mix and balance  
Use and edit sound software  
Comply with sound safety issues  
Calculate sound budget  
Perform signal math using sound theory

## **Technical Theater Sample Assessment (Continued)**

### **Multiple-Choice Assessment:**

Administration Time: 3 hours

Number of Questions: 229

#### ***Areas covered:***

6%	Understanding Technical Theater
21%	Costuming/Make-up and Hair
19%	Scenic and Prop Construction
16%	Electrics
6%	Human Properties
13%	Running Crews
8%	Stage Management
11%	Sound

#### ***Sample Questions:***

Which of the following stage configurations has an audience on three sides?

- A. thrust
- B. proscenium
- C. in the round
- D. amphitheater

Where is the proper place to measure the size of head?

- A. right above the eye brows
- B. around the head just above the ears
- C. around the head over the ears
- D. from the hairline on the forehead to the nape of the neck

Stairs that run from the stage into the wings are called

- A. escape stairs
- B. fire stairs
- C. grand staircases
- D. blank stairs

## **Technical Theater Sample Assessment (Continued)**

Gel colors are usually described as

- A. hot or cold
- B. tint or shade
- C. warm or cool
- D. soft or loud

Stage safety suggests that hard hats are to be worn by the

- A. audio crew
- B. stage managers
- C. rigging crew
- D. running crew

### **Performance Assessment:**

Assessment format: Each content area is considered a separate performance assessment and must be ordered individually. Schools can choose to administer one or multiple content areas.

<b>Content Area</b>	<b>Description of Job</b>	<b>Administration Time</b>
<b>Costume</b>	Pattern and sew an apron	3 hours
<b>Make-Up and Hair</b>	Make-up and hair for a period styling	2 hours
<b>Construction</b>	Construct a 2' x 4' fabric covered theatrical style flat	2 hours
<b>Electrics</b>	Setup, hang, cable and focus three unit light plot	2 hours
<b>Sound</b>	Setup sound system	2 hours
<b>Stage Management</b>	Tape out a ground plan Create a Mini-prompt book with blocking and cue annotation	1 hour 1 hour 30 mins