

Newport-Mesa Unified School District
Office of Career Technical Education
High School Course of Study

Course Title	<i>Technical Theatre</i>	Course Code	<i>[Office use only]</i>
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Transcript Title:	<i>Technical Theatre</i>		Grades Levels:	<i>9-12</i>	Board Adoption Date:	
Content Area:	<i>CTE</i>		GPA Scale:	<i>4.0</i>	Date Course Submitted:	<i>JUNE 15, 2021</i>
Credential Required:	<i>CTE /Single Subject</i>	Graduation Subject Areas:	<i>FINE ART</i>		CALPADS Code:	<i>7241</i>
UC/CSU "A-G" Area Approvals:	<i>G</i>	Desire F	School Site/person that wrote and submitted the course:			<i>Elise Ybarra</i>
Recommend Skills:	<i>Communication, Reading, Writing, Ability to follow directions</i>					
Next course(s):	<i>TBD</i>					
Textbook and/or software to be used:	<i>*Backstage Handbook: An Illustrated Almanac of Technical Information, Broadway Press/ 3rd edition</i> <i>* Stagecraft Fundamentals : A Guide and Reference for Theatrical Production by Rita Carver</i> <i>Vector works, Adobe Suite, Ion ETC Software, Q lab, AutoDesk 3DS Max, Google Sketchup</i>					

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TECHNICAL THEATRE

DATE: June 15, 2021

INDUSTRY SECTOR: Arts, Media and Entertainment.

PATHWAY: Production and Managerial Pathway (Pathway 113)
Stage Technology (Sub-Pathway 113A)

CALPADS TITLE: Intermediate Stage Technology (Concentrator)

CALPADS CODE: 7241

HOURS:

Total	Classroom	Laboratory/CC/CVE
180	74	106

JOB TITLE	ONET CODES	JOB TITLE	ONET CODES
Lighting technician	27-4015.00	Makeup artist, theatrical and performance	39-5091.00
Audio and video technician	27-4011.00	Designers	27-1029.00
Costume attendant	39-3092.00	Set and exhibit designers	27-1027.00

COURSE DESCRIPTION:

The course is an exploration of the duties of stage technicians and their contribution to the total aesthetic effect of a dramatic production. Topics covered will include design research and principles; scene shop organization; painting and construction techniques; equipment use and maintenance; principles and application of sound, lighting, and computer technology; the use of special effects; costume and makeup considerations and selection; publicity and business management; theatre safety; and the function of technical stage personnel in production work. Technical Theatre will incorporate academic study and hands-on application of knowledge and skills.

PREREQUISITES:

High School Name:	Site Prerequisite:
None	

A – G APPROVAL: Yes No Desired

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ARTICULATION:

High School Name:	College Name:	College Course Title:
None at this time		

LEVEL: Introductory **Concentrator** Capstone

CERTIFICATION:

High School Name:	Embedded/Leads to:	Description:
None at this time.		

METHOD OF STUDENT EVALUATION:

- ✓ Pre and Post test
- ✓ Student Projects
- ✓ Written work
- ✓ Observation record of student performance
- ✓ Completion of assignments and worksheets

METHOD OF INSTRUCTION:

- ✓ Lecture
- ✓ Group and individual applied projects
- ✓ Demonstration
- ✓ Field Trips
- ✓ Guest Speaker

RECOMMENDED TEXTS OR SOFTWARE:

- Backstage Handbook: An Illustrated Almanac of Technical Information, Broadway Press/ 3rd edition
- Stagecraft Fundamentals : A Guide and Reference for Theatrical Production by Rita Carver
- Vector works
- Adobe Suite
- Ion ETC Software
- Q lab
- AutoDesk 3DS Max
- Google Sketchup

MODEL CTE PATHWAY: Proposed two-course proposed pathway

Grade:	Fall Semester:	Spring Semester:
9-11	TECHNICAL THEATRE A	TECHNICAL THEATRE B
10-12	ADVANCED TECHNICAL THEATRE A	ADVANCED TECHNICAL THEATRE B

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CALIFORNIA CAREER TECHNICAL EDUCATION MODEL CURRICULUM STANDARDS

California Department of Education CTE Standards website: <http://www.cde.ca.gov/ci/ct/sf/ctemcstandards.asp>

**INDUSTRY SECTOR
KNOWLEDGE AND PERFORMANCE ANCHOR STANDARDS**

1.0 Academics Analyze and apply appropriate academic standards required for successful industry sector pathway completion leading to postsecondary education and employment. Refer to the Arts, Media, and Entertainment academic alignment matrix for identification of standards.

2.0 Communications Acquire and accurately use Arts, Media, and Entertainment sector terminology and protocols at the career and college readiness level for communicating effectively in oral, written, and multimedia formats. (Direct alignment with LS 9-10, 11-12.6)

2.1 Recognize the elements of communication using a sender–receiver model.

2.2 Identify barriers to accurate and appropriate communication.

2.3 Interpret verbal and nonverbal communications and respond appropriately.

2.4 Demonstrate elements of written and electronic communication such as accurate spelling, grammar, and format.

2.5 Communicate information and ideas effectively to multiple audiences using a variety of media and formats.

2.6 Advocate and practice safe, legal, and responsible use of digital media information and communications technologies.

3.0 Career Planning and Management :Integrate multiple sources of career information from diverse formats to make informed career decisions, solve problems, and manage personal career plans. (Direct alignment with SLS 11-12.2)

3.1 Identify personal interests, aptitudes, information, and skills necessary for informed career decision making. 3.2 Evaluate personal character traits such as trust, respect, and responsibility and understand the impact they can have on career success.

3.3 Explore how information and communication technologies are used in career planning and decision making.

3.4 Research the scope of career opportunities available and the requirements for education, training, certification, and licensure.

3.8 Understand how digital media are used by potential employers and postsecondary agencies to evaluate candidates.

3.9 Develop a career plan that reflects career interests, pathways, and postsecondary options

4.0 Technology Use existing and emerging technology to investigate, research, and produce products and services, including new information, as required in the Arts, Media, and Entertainment sector workplace environment. (Direct alignment with WS 11-12.6)

4.1 Use electronic reference materials to gather information and produce products and services.

4.2 Employ Web-based communications responsibly and effectively to explore complex systems and issues.

4.3 Use information and communication technologies to synthesize, summarize, compare, and contrast information from multiple sources.

4.4 Discern the quality and value of information collected using digital technologies, and recognize bias and intent of the associated sources.

4.5 Research past, present, and projected technological advances as they impact a particular pathway.

4.6 Assess the value of various information and communication technologies to interact with constituent populations as part of a search of the current literature or in relation to the information task.

5.0 Problem Solving and Critical Thinking: Conduct short as well as more sustained research to create alternative solutions to answer a question or solve a problem unique to the Arts, Media, and Entertainment sector, using critical and creative thinking, logical reasoning, analysis, inquiry, and problem-solving techniques. (Direct alignment with WS 11-12.7)

5.1 Identify and ask significant questions that clarify various points of view to solve problems.

5.2 Solve predictable and unpredictable work-related problems using various types of reasoning (inductive, deductive) as appropriate.

5.3 Use systems thinking to analyze how various components interact with each other to produce outcomes in a complex work environment

5.4 Interpret information and draw conclusions, based on the best analysis, to make informed decisions.

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6.0 Health and Safety Demonstrate: health and safety procedures, regulations, and personal health practices and determine the meaning of symbols, key terms, and domain-specific words and phrases as related to the Arts, Media, and Entertainment sector workplace environment. (Direct alignment with RSTS 9-10, 11-12.4)

6.2 Interpret policies, procedures, and regulations for the workplace environment, including employer and employee responsibilities.

6.3 Use health and safety practices for storing, cleaning, and maintaining tools, equipment, and supplies.

6.4 Practice personal safety when lifting, bending, or moving equipment and supplies.

6.5 Demonstrate how to prevent and respond to work-related accidents or injuries; this includes demonstrating an understanding of ergonomics. 6.6 Maintain a safe and healthful working environment.

6.7 Be informed of laws/acts pertaining to the Occupational Safety and Health Administration (OSHA).

7.0 Responsibility and Flexibility Initiate, and participate in, a range of collaborations demonstrating behaviors that reflect personal and professional responsibility, flexibility, and respect in the Arts, Media, and Entertainment sector workplace environment and community settings. (Direct alignment with SLS 9-10, 11-12.1)

7.1 Recognize how financial management impacts the economy, workforce, and community.

7.2 Explain the importance of accountability and responsibility in fulfilling personal, community, and workplace roles.

7.3 Understand the need to adapt to changing and varied roles and responsibilities.

7.4 Practice time management and efficiency to fulfill responsibilities.

7.5 Apply high-quality techniques to product or presentation design and development.

7.6 Demonstrate knowledge and practice of responsible financial management.

7.7 Demonstrate the qualities and behaviors that constitute a positive and professional work demeanor, including appropriate attire for the profession.

8 Ethics and Legal Responsibilities

8.4 Explain the importance of personal integrity, confidentiality, and ethical behavior in the workplace

8.5 Analyze organizational culture and practices within the workplace environment.

9.0 Leadership and Teamwork Work with peers to promote divergent and creative perspectives, effective leadership, group dynamics, team and individual decision making, benefits of workforce diversity, and conflict resolution as practiced in the SkillsUSA career technical student organizations. (Direct alignment with SLS 11-12.1b)

9.1 Define leadership and identify the responsibilities, competencies, and behaviors of successful leaders.

9.2 Identify the characteristics of successful teams, including leadership, cooperation, collaboration, and effective decision-making skills as applied in groups, teams, and career technical student organization activities.

9.3 Understand the characteristics and benefits of teamwork, leadership, and citizenship in the school, community, and workplace setting.

9.7 Participate in interactive teamwork to solve real Arts, Media, and Entertainment sector issues and problems.

10.0 Technical Knowledge and Skills Apply: essential technical knowledge and skills common to all pathways in the Arts, Media, and Entertainment sector, following procedures when carrying out experiments or performing technical tasks. (Direct alignment with WS 11-12.6)

10.1 Interpret and explain terminology and practices specific to the Arts, Media, and Entertainment sector.

10.2 Comply with the rules, regulations, and expectations of all aspects of the Arts, Media, and Entertainment sector

10.3 Construct projects and products specific to the Arts, Media, and Entertainment sector requirements and expectations.

10.4 Collaborate with industry experts for specific technical knowledge and skills.

11.0 Demonstration and Application Demonstrate and apply the knowledge and skills contained in the Arts, Media, and Entertainment anchor standards, pathway standards, and performance indicators in classroom, laboratory, and workplace settings, and through the SkillsUSA career technical student organizations.

11.1 Utilize work-based/workplace learning experiences to demonstrate and expand upon knowledge and skills gained during classroom instruction and laboratory practices specific to the Arts, Media, and Entertainment sector program of study.

11.2 Demonstrate proficiency in a career technical pathway that leads to certification, licensure, and/or continued learning at the postsecondary level.

11.3 Demonstrate entrepreneurship skills and knowledge of self-employment options and innovative ventures

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- 11.4 Employ entrepreneurial practices and behaviors appropriate to Arts, Media, and Entertainment sector opportunities.
- 11.5 Create a portfolio, or similar collection of work, that offers evidence through assessment and evaluation of skills and knowledge competency as contained in the anchor standards, pathway standards, and performance indicators.

CR = Classroom Hours LAB/CC = Laboratory/Shop/Community Classroom Hours

I.	STAGE ANATOMY AND SHOP SAFETY	CR	LAB/CC	STANDARDS
	<p>Students will learn and demonstrate:</p> <ul style="list-style-type: none"> ● general layout of the theatre space and be familiar with various rooms, spaces, and hallways of the overall complex ● comprehension of basic, introductory, level of theatrical terminology and theatrical equipment ● safety awareness when working on theatrical productions and will develop an attitude of respect for safety considerations ● comprehension of general safety procedures and the safe use of specific theatrical equipment <p>Syllabus / Classroom expectations will be agreed upon</p>	6	10	<p>Academic: RLST 11-12.3</p> <p>CTE Anchor: 2.0, 4.0, 6.0, 10.0, 11.0</p> <p>CTE Pathway: C1.0</p>
II.	DESIGN FUNDAMENTALS	CR	LAB/CC	STANDARDS
	<p>Students will learn and demonstrate design fundamentals:</p> <ul style="list-style-type: none"> ● Artistic decisions, cues, design and styles made through textual analysis, environment, mood and historical research ● Paperwork and vocabulary introduction ● Design Process and Artistic Team Discussion diplomacy ● Color Theory ● Line, shape, texture, space, weight, balance, proportion, scale and pattern establishment 	10	8	<p>Academic: LS 11-2.1, LS 11-2.2, LS 11-2.3, LS 11-2.4, LS 11-2.5, LS 11-2.5, LS 11-2.6, RSL 11-12.1, RSL 11-12.2, RSL 11-12.3, RSL 11-12.4, RSL 11-12.5, RSL 11-12.6, RSL 11-12.7, RSL 11-12.8, RSL 11-12.9, RSIT 11-12.1, RSIT 11-12.3, RSIT 11-12.4, RSIT 11-12.6, RSIT 11-12.7, RHSS 11-12.2, RHSS 11-12.3, RHSS 11-12.4, RHSS 11-12.5, RHSS 11-12.6, RHSS 11-12.7, RHSS 11-12.8, RHSS 11-12.9</p> <p>CTE Anchor: 1.0, 2.0, 5.0, 10.0</p> <p>CTE Pathway: C4.1</p>
III.	SET DESIGN	CR	LAB/CC	STANDARDS
	<p>Students will learn and demonstrate the fundamentals of scenic design:</p> <ul style="list-style-type: none"> ● floor plan ● renderings ● scale models 	9	14	<p>Academic: G- MG 1 & 2, RLST 12.2, RLST 12.3, RLST 12.4, RLST 12.7, WS 11-12.4, 11-2.6, WS 12.7, WHSST 11-12.5, WHSST 11-12.6, WHSST 11-12.8</p>

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	<ul style="list-style-type: none"> platform, stair, flat, wagon construction scenic painting pass test designed to include scenic elements and stage craft demonstrate skills learned for the production at hand 			<p>CTE Anchor: 1.0, 2.0, 4.0, 5.0, 6.0, 7.0, 9.0, 10.0, 11.0</p> <p>CTE Pathway: C1.0, C2.0, C4.0, C5.0, C6.0</p>
IV.	LIGHT DESIGN	CR	LAB/CC	STANDARDS
	<p>Students will learn and demonstrate the fundamentals of lighting design:</p> <ul style="list-style-type: none"> hang plot rendering lighting cue sheet hang, gel, cable, and focus a light. patching lighting instruments to the lighting board changing lamps operation and programming of a lighting board identify all lighting instruments pass a test on the knowledge and skills of the unit demonstrate skills learned for the production at hand 	9	14	<p>Academic: RLST 12.2, RLST 12.3, RLST 12.4, RLST 12.7, WS 11-12.4, 11-2.6, WS 12.7, WHSST 11-12.5, WHSST 11-12.6, WHSST 11-12.8</p> <p>CTE Anchor: 1.0, 2.0, 4.0, 5.0, 6.0, 7.0, 9.0, 10.0, 11.0</p> <p>CTE Pathway: C1.0, C2.0, C4.0, C5.0, C6.0</p>
V.	COSTUME DESIGN	CR	LAB/CC	STANDARDS
	<p>Students will learn and demonstrate the fundamentals of costume design:</p> <ul style="list-style-type: none"> costume rendering costume measurements costume fittings fabric identification costume plot flat patterning alterations fabric dyeing basic seamstressing/alterations pass a test on the knowledge and skills of the unit demonstrate skills learned for the production at hand 	9	14	<p>Academic: RLST 12.2, RLST 12.3, RLST 12.4, RLST 12.7, WS 11-12.4, 11-2.6, WS 12.7, WHSST 11-12.5, WHSST 11-12.6, WHSST 11-12.8</p> <p>CTE Anchor: 1.0, 2.0, 4.0, 5.0, 6.0, 7.0, 9.0, 10.0, 11.0</p> <p>CTE Pathway: C1.0, C2.0, C4.0, C5.0, C6.0</p>
VI.	AUDIO DESIGN	CR	LAB/CC	STANDARDS
	<p>Students will learn and demonstrate the fundamentals of audio design:</p> <ul style="list-style-type: none"> audio cue sheet identify basic elements such as sound board, microphone, cables (male ends, females ends, basic XLR cable [three-pin, four-pin, and five-pin+, ¼" 	6	10	<p>Academic: RLST 12.2, RLST 12.3, RLST 12.4, RLST 12.7, WS 11-12.4, 11-2.6, WS 12.7, WHSST 11-12.5, WHSST 11-12.6, WHSST 11-12.8</p> <p>CTE Anchor: 1.0, 2.0, 4.0, 5.0 6.0, 7.0, 9.0, 10.0, 11.0</p> <p>CTE Pathway: C1.0, C2.0, C4.0, C5.0, C6.0</p>

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	<p>speaker *mono and stereo+, 1/8" pin cable, etc.</p> <ul style="list-style-type: none"> ● audio board operation ● understand how various pieces of sound equipment work ● patch and control cable and various microphones, as well as perform basic maintenance and diagnostics on the equipment. ● set levels for sound devices once connected. ● monitor sound devices (gain, volume, basic treble and bass, mute) ● pass a test on the knowledge and skills of the unit ● demonstrate skills learned for the production at hand 			
VII.	PROPERTY DESIGN	CR	LAB/CC	STANDARDS
	<p>Students will learn and demonstrate the fundamentals of property design:</p> <ul style="list-style-type: none"> ● prop run sheet ● prop classification ● prop construction ● pass a test on the knowledge and skills of the unit ● demonstrate skills learned for the production at hand 	6	10	<p>Academic: RLST 12.2, RLST 12.3, RLST 12.4, RLST 12.7, WS 11-12.4, 11-2.6, WS 12.7, WHSST 11-12.5, WHSST 11-12.6, WHSST 11-12.8</p> <p>CTE Anchor: 1.0, 2.0, 4.0, 5.0, 6.0, 7.0, 9.0, 10.0, 11.0</p> <p>CTE Pathway: C1.0, C2.0, C4.0, C5.0, C6.0</p>
VIII	HAIR AND MAKEUP DESIGN	CR	LAB/CC	STANDARDS
	<p>Students will learn and demonstrate the fundamentals of hair and makeup design:</p> <ul style="list-style-type: none"> ● makeup rendering ● style, character, natural makeup ● old age makeup ● prosthetics ● wig maintenance ● makeup / wig tool identification ● pass a test on the knowledge and skills of the unit ● demonstrate skills learned for the production at hand 	6	10	<p>Academic: RLST 12.2, RLST 12.3, RLST 12.4, RLST 12.7, WS 11-12.4, 11-2.6, WS 12.7, WHSST 11-12.5, WHSST 11-12.6, WHSST 11-12.8</p> <p>CTE Anchor: 1.0, 2.0, 4.0, 5.0, 6.0, 7.0, 9.0, 10.0, 11.0</p> <p>CTE Pathway: C1.0, C2.0, C4.0, C5.0, C6.0</p>
X	STAGE MANAGEMENT	CR	LAB/CC	STANDARDS

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	<p>Students will learn and demonstrate the fundamentals of stage management:</p> <ul style="list-style-type: none"> ● run sheet ● prompt books ● rehearsal reports ● attendance sheets ● calling shows ● contact list construction ● stage crew delegation and hierarchy ● stage communication devices and the proper etiquette and protocol associated with their use ● protocol and proper procedures engaged in load-in and strike of scenery, props, and costumes ● production schedule building ● demonstrate skills learned for the production at hand 	9	10	<p>Academic: WS 11-12.4, 11-2.6, WS 12.7, WHSST 11-12.5, WHSST 11-12.6, WHSST 11-12.8</p> <p>CTE Anchor: 1.0, 2.0, 4.0, 5.0, 6.0, 7.0, 9.0, 10.0, 11.0</p> <p>CTE Pathway: C1.0, C2.0, C3.0, C4.0, C5.0, C6.0</p>
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XI	CAREER READINESS	CR	LAB/CC	STANDARDS
	<p>Job shadowing / Mentorship</p> <ul style="list-style-type: none"> ● Interview with professional in their field ● Review of work ● Training / mentorship on a faction ● Job shadowing in the field 	2	8	<p>Academic: LS 11-2.1, LS 11-2.2, LS 11-2.3, LS 11-2.4, LS 11-2.5, LS 11-2.5, LS 11-2.6, RSL 11-12.1, RSL 11-12.2, RSL 11-12.3, RSL 11-12.4, RSL 11-12.5, RSL 11-12.6, RSL 11-12.7, RSL 11-12.8, RSL 11-12.9, RSIT 11-12.1, RSIT 11-12.3, RSIT 11-12.4, RSIT 11-12.6, RSIT 11-12.7, RHSS 11-12.2, RHSS 11-12.3, RHSS 11-12.4, RHSS 11-12.5, RHSS 11-12.6, RHSS 11-12.7, RHSS 11-12.8, RHSS 11-12.9</p> <p>CTE Anchor: C1.0, C2.0, C3.0, C4.0, C5.0, C6.0</p> <p>CTE Pathway: C3.0</p>

XII	PORTFOLIO	CR	LAB/CC	STANDARDS
	<p>Students will prepare a professional portfolio.</p> <ul style="list-style-type: none"> ● resume ● renderings ● production work ● references 	2	8	<p>Academic: LS 11-2.1, LS 11-2.2, LS 11-2.3, LS 11-2.4, LS 11-2.5, LS 11-2.5, LS 11-2.6, RSL 11-12.1, RSL 11-12.2, RSL 11-12.3, RSL 11-12.4, RSL 11-12.5, RSL 11-12.6, RSL 11-12.7, RSL 11-12.8, RSL 11-12.9, RSIT 11-12.1, RSIT 11-12.3, RSIT 11-12.4, RSIT 11-12.6, RSIT 11-12.7, RHSS 11-12.2, RHSS 11-12.3, RHSS 11-12.4, RHSS 11-12.5, RHSS 11-12.6, RHSS 11-12.7, RHSS 11-12.8, RHSS 11-12.9</p>

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				CTE Anchor: 2.0, 3.0, 10.0, 11.0 CTE Pathway: C4.0, C6.0, C7.0
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