

Lighting and Sound

Content Area: **Fine Arts**
Course(s): **Theatre Arts II, Theatre Arts I**
Time Period: **Marking Period 1**
Length: **1 week**
Status: **Published**

Course Pacing Guide

Unit	MP/Trimester	Weeks
Introduction to the Stage	1	2
Scenic Construction and Painting	1	6
Lighting and Sound	1-2	3
Costumes, Hair, and Makeup	2	3
Design Project	2	6

Unit Overview

Students will explore how the cultural and literary contexts of work can be expressed through the process of design. A major focus will be on the expression of an artistic vision informed by script analysis and research. Students will develop skills in stagecraft and theatre safety while learning how to execute designs. They will learn and practice various techniques in scenery, lighting, sound, properties, costuming, makeup, stage management, and marketing.

In this unit, students will learn practical skills in lighting and sound as well as techniques for design. Students will learn how to safely operate the equipment in the HMHS auditorium. They will also use theatrical techniques to evoke mood and atmosphere.

Enduring Understandings

- Theatre artists rely on intention, curiosity, and critical inquiry.
- Theatre artists refine their work through rehearsal and an iterative evaluation cycle.
- Theatre artists make strong choices to effectively convey meaning.

- Theatre artists share stories and ideas to explore the human experience.
- Theatre artists work to explore different methods of communicating meaning.
- Theater artists reflect to understand the impact of drama processes and theatre experiences.
- Theatre artists apply criteria to investigate, explore, and assess drama and theatre work.
- Theatre artists allow awareness of interrelationships between self and others to influence and inform their work.
- Theatre artists critically inquire into the ways others have thought about and created drama processes and productions to inform their own work.

Essential Questions

- - What role do technical elements play in a production?
 - How can we effectively communicate meaning to an audience?
 - How do we use technical elements to tell stories?
 - What are the qualities of a "good" design?
 - Which is more valuable: process or product?

New Jersey Student Learning Standards (No CCS)

VPA.1.1.12.C.3	Apply the basic physical and chemical properties (e.g., light, electricity, color, paint, scenic construction, costumes, makeup, and audio components) inherent in technical theatre to safely implement theatre design.
VPA.1.1.12.C.CS1	Theatre and the arts play a significant role in human history and culture.
VPA.1.1.12.C.CS3	Theatre production is an art, but it is also a science requiring knowledge of safety procedures, materials, technology, and construction techniques.
VPA.1.2.12.A.CS2	Access to the arts has a positive influence on the quality of an individual's lifelong learning, personal expression, and contributions to community and global citizenship.

Amistad Integration

SEL.PK-12.1.1	Recognize one's feelings and thoughts
SEL.PK-12.1.2	Recognize the impact of one's feelings and thoughts on one's own behavior
SEL.PK-12.1.3	Recognize one's personal traits, strengths, and limitations
SEL.PK-12.1.4	Recognize the importance of self-confidence in handling daily tasks and challenges
SEL.PK-12.3.1	Recognize and identify the thoughts, feelings, and perspectives of others
SEL.PK-12.3.2	Demonstrate and awareness of the differences among individuals, groups, and others' cultural backgrounds
SEL.PK-12.3.3	Demonstrate an understanding of the need for mutual respect when viewpoints differ
SEL.PK-12.3.4	Demonstrate an awareness of the expectations for social interactions in a variety of

	settings
SEL.PK-12.4.1	Develop, implement and model effective problem-solving, and critical thinking skills
SEL.PK-12.4.2	Identify the consequences associated with one's actions in order to make constructive choices
SEL.PK-12.5.1	Establish and maintain healthy relationships
SEL.PK-12.5.2	Utilize positive communication and social skills to interact effectively with others
SEL.PK-12.5.4	Demonstrate the ability to prevent and resolve interpersonal conflicts in constructive ways

Holocaust/Genocide Education

Interdisciplinary Connections

LA.RL.9-10.1	Cite strong and thorough textual evidence and make relevant connections to support analysis of what the text says explicitly as well as inferentially, including determining where the text leaves matters uncertain.
LA.RL.9-10.2	Determine a theme or central idea of a text and analyze in detail its development over the course of the text, including how it emerges and is shaped and refined by specific details and provide an objective summary of the text.

Technology Standards

TECH.8.1.12.A.2	Produce and edit a multi-page digital document for a commercial or professional audience and present it to peers and/or professionals in that related area for review.
TECH.8.1.12.A.CS1	Understand and use technology systems.
TECH.8.1.12.A.CS2	Select and use applications effectively and productively.
TECH.8.1.12.B.CS1	Apply existing knowledge to generate new ideas, products, or processes.
TECH.8.1.12.B.CS2	Create original works as a means of personal or group expression.
TECH.8.1.12.D.CS1	Advocate and practice safe, legal, and responsible use of information and technology.
TECH.8.1.12.D.CS2	Demonstrate personal responsibility for lifelong learning.
TECH.8.1.12.E.CS2	Locate, organize, analyze, evaluate, synthesize, and ethically use information from a variety of sources and media.
TECH.8.2.12.D.CS1	Apply the design process.

21st Century Themes/Careers

CRP.K-12.CRP2	Apply appropriate academic and technical skills.
CRP.K-12.CRP4	Communicate clearly and effectively and with reason.
CRP.K-12.CRP5	Consider the environmental, social and economic impacts of decisions.
CRP.K-12.CRP6	Demonstrate creativity and innovation.

Instructional Strategies & Learning Activities

Detailed script analysis

Demonstrations

Skills practice

Videos

Journals

Evaluations

Design project

Students will be able to:

- Describe how lighting influences a scene.
- Identify the basic types, components, and uses of lighting instruments.
- Summarize and contrast common usages of specific lighting instruments and lighting accessories.
- Hanging and focus lighting instruments using proper procedures.
- Change lamps and gels in lighting instruments.
- Circuit and patch lighting instruments.
- Use a lighting board to control lighting fixtures and achieve desired looks.
- Use various lighting angles to achieve visibility, atmosphere, and mood.
- Explain how color filters (gels) work and use color to achieve visibility, atmosphere, and mood.
- Recreate a painting using the elements of lighting design.
- Create a simple lighting plot.
- Recreate various environments and moods using the elements of lighting design.
- Analyze a script and explain how specific elements inform the creation of and execution of a lighting design.
- Conduct image research and use images to make choices related to the creation and execution of a lighting design.
- Craft and deliver a presentation of their own lighting design for a play.
- Analyze their work and that of their peer and give meaningful feedback.
- Use math and basic electrical formulas to determine if an intended use is safe.
- Observe and apply basic knowledge of light board operation: on/off, master dimmers, sub-master presets.
- Describe how sound influences a scene.
- Identify the basic types, components, and uses of sound equipment.
- Properly position a microphone.
- Use a sound system to enhance appropriate sound mix and balance.
- Use software to build and edit sound effects.
- Demonstrate and practice proper handling, use, maintenance of cables.

- Compose and produce a narrative using music excerpts and sound effects with only minimal (or no) recorded text.

Differentiated Instruction

Examples may include:

- Curriculum Map
- Inquiry/Problem-Based Learning
- Learning preferences integration (visual, auditory, kinesthetic)
- Sentence & Discussion Stems
- Tiered Learning Targets
- Learning through play
- Meaningful Student Voice & Choice
- Relationship-Building & Team-Building
- Self-Directed Learning
- Debate
- LMS use
- The Hot Seat/Role-Play
- Mastery Learning
- Game-Based Learning
- Grouping
- Socratic Seminar
- Rubrics
- Learning Menus
- Jigsaws
- Learning Through Workstations
- Concept Attainment
- Mentoring
- Assessment Design & Backwards Planning
- Student Interest

Formative Assessments

- Informal sharings
- In-process peer evaluation
- In-process teacher evaluation
- Theatre warm-ups and exercises
- Journal
- Quizzes
- Class discussion

Summative Assessment

- End-of-unit project and presentation: Create a design-board for one element of theatre tech based on a script.

Benchmark Assessments

Alternate Assessments

Resources & Technology

- Handouts
- Excerpts of scripts
- Excerpts of educational texts
- Videos
- Music
- Image search

BOE Approved Texts

Closure

Such as:

- Journal
- Gallery Walk - On chart paper, small groups of students write and draw what they learned. After the completed works are attached to the classroom walls, others students affix post-its to the posters to extend on the ideas, add questions.
- Sequence It - create timelines of major events discussed
- Low-Stakes Quizzes - Give a short quiz using technologies like Kahoot or a Google form.

- Have students write down three quiz questions (to ask at the beginning of the next class).
- Question Stems - Have students write questions about the lesson on cards, using [question stems framed around Bloom's Taxonomy](#). Have students exchange cards and answer the question they have acquired.
- Kids answer the following prompts: "What takeaways from the lesson will be important to know three years from now? Why?"
- Have students dramatize a real-life application of a skill.
- Ask a question. Give students ten seconds to confer with peers before you call on a random student to answer. Repeat.
- Have students orally describe a concept, procedure, or skill in terms so simple that a child in first grade would get it.
- Direct students to raise their hands if they can answer your questions. Classmates agree (thumbs up) or disagree (thumbs down) with the response.
- Kids write notes to peers describing what they learned from them during class discussions.
- Ask students to summarize the main idea in under 60 seconds to another student.

ELL

Such as:

- Alternate Responses
- Advance Notes
- Extended Time
- Teacher Modeling
- Simplified Written and Verbal Instructions
- Frequent Breaks
- E-Dictionaries
- Google Translate

Special Education

List is not inclusive but may include examples such as:

- Shorten assignments to focus on mastery of key concepts.
- Substitute alternatives for written assignments (clay models, posters, panoramas, collections, etc.)
- Specify and list exactly what the student will need to learn to pass.
- Evaluate the classroom structure against the student's needs (flexible structure, firm limits, etc.).
- Keep workspaces clear of unrelated materials.
- Keep the classroom quiet during intense learning times.
- Reduce visual distractions in the classroom (mobiles, etc.).
- Provide a computer for written work.
- Seat the student close to the teacher or a positive role model.
- Provide an unobstructed view of the chalkboard, teacher, movie screen, etc.
- Keep extra supplies of classroom materials (pencils, books) on hand.
- Maintain adequate space between desks.

- Give directions in small steps and in as few words as possible.
- Number and sequence the steps in a task.
- Have student repeat the directions for a task.
- Provide visual aids.
- Go over directions orally.
- Provide a vocabulary list with definitions.
- Permit as much time as needed to finish tests, according to IEP.
- Allow tests to be taken in a room with few distractions (e.g., the library).
- Have test materials read to the student, and allow oral responses.
- Divide tests into small sections of similar questions or problems.
- Allow the student to complete an independent project as an alternative test.
- Give progress reports instead of grades.
- Show a model of the end product of directions.
- Stand near the student when giving directions or presenting a lesson.
- Permit a student to rework missed problems for a better grade.
- Average grades out when assignments are reworked, or grade on corrected work.
- Use a pass-fail or an alternative grading system when the student is assessed on his or her own growth.

504

Examples of accommodations in 504 plans include but are not limited to:

- preferential seating
- extended time on tests and assignments
- reduced homework or classwork
- verbal, visual, or technology aids
- modified textbooks or audio-video materials
- behavior management support
- adjusted class schedules or grading
- verbal testing
- excused lateness, absence, or missed classwork
- pre-approved nurse's office visits and accompaniment to visits
- occupational or physical therapy

At Risk

Examples may include:

- Use of mnemonics
- Have student restate information
- Provision of notes or outlines
- Concrete examples
- Assistance in maintaining uncluttered space

- Peer or scribe note-taking
- No penalty for spelling errors or sloppy handwriting
- Follow a routine/schedule
- Teach time management skills
- Verbal and visual cues regarding directions and staying on task
- Adjusted assignment timelines
- Visual daily schedule
- Immediate feedback
- Work-in-progress check
- Pace long-term projects
- Preview test procedures
- Pass/no pass option
- Cue/model expected behavior
- Use de-escalating strategies
- Use peer supports and mentoring
- Chart progress and maintain data

Gifted and Talented

- Focus on effort and practice
- Offer the Most Difficult First
- Offer choice
- Speak to Student Interests
- Allow G/T students to work together
- Encourage risk taking