PATHWAY: Audio and Video Technologies

Pathway Topic: Audio and Visual Technologies Pathway

Pathway KS Statement: Apply knowledge of equipment and skills related to audio production.

Performance Element: Exhibit knowledge of the types of microphones, pick up patterns, and techniques required for a variety of audio presentations.

Measurement Criteria: Identify microphones used for audio-video productions, music, and theater.

Measurement Criteria: Explain the differences in microphones and why the audio pick-up varies in each.

Measurement Criteria: Describe the techniques to maximize sound performance with various audio formats.

Performance Element: Apply knowledge of audio equipment for productions, including basic recording equipment, equalizers, mixing consoles, and quality monitoring equipment.

Measurement Criteria: Identify basic recording session equipment.

Measurement Criteria: Select equipment required for specific types of audio productions.

Measurement Criteria: Describe how the audio mixing console, the quality monitoring equipment, and basic recording session equipment are utilized.

Measurement Criteria: Demonstrate the techniques used for equalization.

Measurement Criteria: Demonstrate how to record and mix audio.

Performance Element: Exhibit knowledge of analog and digital for audio formats.

Measurement Criteria: Distinguish between analog and digital.

Measurement Criteria: Describe the difference in data signals and equipment for analog and digital technology.

Performance Element: Illustrate the techniques required for synchronization of an audio with video and multiple sound tracks.

Measurement Criteria: Describe synchronization processes.

Measurement Criteria: Demonstrate how audio is synchronized with other audio or video.

Performance Element: Exhibit how to write audio scripts for various types of programs.

Measurement Criteria: Identify the key elements required in audio scripts.

Measurement Criteria: Apply writing skills to development of a short audio script.

Pathway KS Statement: Apply knowledge of equipment and skills related to video production.

Performance Element: Apply knowledge of lighting requirements for a planned production.

Measurement Criteria: Identify types and placement of lighting fixtures for various lighting effects.

Measurement Criteria: Demonstrate lighting techniques used for portable and studio productions.

Measurement Criteria: Demonstrate operation of master lighting panel and dimmer.
Pathway Topic: Audio and Visual Technologies Pathway

**Performance Element:** Demonstrate operation and maintenance of video systems.

**Measurement Criteria:** Describe the differences between DVD and Beta SP ½ inch operating systems.

**Performance Element:** Demonstrate operation of video cameras and switchers.

**Measurement Criteria:** Demonstrate how to clean, tune, and align video equipment.

**Performance Element:** Demonstrate camera operations, video signals, and video formats.

**Measurement Criteria:** Describe how to maintain picture composition.

**Measurement Criteria:** Demonstrate focusing and adjusting images; performing pans and zooms.

**Measurement Criteria:** Interpret video signals and production formats.

**Performance Element:** Demonstrate the use of computer-based development of video production and editing.

**Measurement Criteria:** Define terms associated with computer-based production including HTML, VRML, quick time, shock waves, active X, and PDF.

**Measurement Criteria:** Identify types of software used in development of video files, and animations.

**Measurement Criteria:** Demonstrate how to use software for developing a simple video.

**Measurement Criteria:** Demonstrate editing a video, using software.

**Pathway KS Statement:** Exhibit knowledge of editing audio and video productions.

**Performance Element:** Identify the basic functions and resources for editing.

**Measurement Criteria:** Define editing related to audio and video productions.

**Measurement Criteria:** Distinguish off-line editing from on-line editing.

**Measurement Criteria:** Identify skills requirements for editing associated with various delivery platforms.

**Measurement Criteria:** Identify the types of digital resources available.

**Performance Element:** Apply knowledge of basic editing to both linear and non-linear systems.

**Measurement Criteria:** Describe linear and non-linear systems.

**Measurement Criteria:** Demonstrate skills required for editing these systems.

**Performance Element:** Apply knowledge of control peripherals used for editing.

**Measurement Criteria:** Identify the various types of peripherals and their functions.

**Measurement Criteria:** Demonstrate the use of switchers and digital effects in editing.

**Performance Element:** Demonstrate the operation of the character generator and special effects generator.

**Measurement Criteria:** Demonstrate using the character generator in editing.

**Measurement Criteria:** Demonstrate using the special effects generator in editing.

**Pathway KS Statement:** Demonstrate technical production support for audio and video presentations.
Pathway Topic: Audio and Visual Technologies Pathway

Performance Element: Demonstrate repairing and servicing transmitting and receiving systems.

Measurement Criteria: Describe the need for temperature stability.
Measurement Criteria: Describe the connection between receiver sensitivity and measurement of image rejection.
Measurement Criteria: Demonstrate how to align the receivers and transceivers for operation.
Measurement Criteria: Demonstrate basic preventative maintenance.

Performance Element: Apply knowledge of wireless and wired transmission systems.

Measurement Criteria: Define wireless system components.
Measurement Criteria: Define wired system components.
Measurement Criteria: Describe how to repair transmitting and receiving and multi-channel systems.

Performance Element: Demonstrate installation of cabling for audio and video productions.

Measurement Criteria: Demonstrate reading a signal flow diagram to determine cabling route.
Measurement Criteria: Demonstrate pulling and securing cable.
Measurement Criteria: Demonstrate how to document the routing.

Performance Element: Demonstrate the installation of a wireless audio-video system.

Measurement Criteria: Identify how to determine if the power supply is adequate.
Measurement Criteria: Demonstrate placement of a wireless system for efficient operation.
Measurement Criteria: Describe when building support structures and tie downs are required.

Performance Element: Demonstrate how to troubleshoot audio-video system operations.

Measurement Criteria: Identify the sequence required for troubleshooting.
Measurement Criteria: Conduct a trouble shooting sequence.
Measurement Criteria: Identify problems and potential solutions.

Pathway KS Statement: Exhibit the knowledge and skills required to design a production for audio and visual presentation.

Performance Element: Exhibit knowledge of the critical elements in designing a production in the stages of pre-production, production, and post production.

Measurement Criteria: Identify the activities associated with pre-production, production, and post production.
Measurement Criteria: Identify the linkage from each stage to the next in processes and activities.
Measurement Criteria: Design a concept, a short script, and identify the resources needed to begin the production.
Measurement Criteria: Critique a production to determine how the various elements were coordinated or not to bring together a successful presentation.
Pathway Topic: Audio and Visual Technologies Pathway

Performance Element: Analyze the objectives of production activities.

**Measurement Criteria:** Identify the team roles required for success of the production.

**Measurement Criteria:** Analyze the script and storyboard development processes for critical elements for success or non-success of a production.

**Measurement Criteria:** Identify several means to overcome budget constraints.

**Measurement Criteria:** Identify equipment, crew, and cast requirements for a half-hour audio-video.

**Measurement Criteria:** Conduct a casting day for a selected script.
PATHWAY: Journalism and Broadcasting

Pathway Topic: Journalism and Broadcasting Pathway

Pathway KS Statement: Explore career opportunities in Journalism and Broadcasting.

Performance Element: Analyze various careers and their job descriptions in media companies, including radio and television stations, newspapers and newsmagazines, video production houses, and Internet news outlets.

Measurement Criteria: Discuss the responsibilities of newspaper, television, and radio reporters.

Measurement Criteria: Describe the duties of editors for various media.

Measurement Criteria: Identify specific jobs within a video production company.

Measurement Criteria: Describe the duties of photojournalists for various media.

Performance Element: Exhibit knowledge of the history of journalism and broadcasting, and their roles in society.

Measurement Criteria: Discuss the beginnings and evolution of broadcasting, and print and electronic journalism.

Measurement Criteria: Describe how increasingly available information is changing society.

Performance Element: Distinguish between different forms of media and their specific applications.

Measurement Criteria: Describe the differences amongst media, including newspaper, newsmagazine, electronic news, television, and radio.

Measurement Criteria: Describe the objectives, distribution, and timeliness of various media.

Performance Element: Recognize the value of a broad general knowledge base for journalism and broadcasting.

Measurement Criteria: Identify useful knowledge for a reporter writing stories about the economy, a current art exhibit, and a new piece of military equipment.

Measurement Criteria: Explain how knowledge is useful in the broad coverage of events when research may not be possible.

Pathway KS Statement: Demonstrate writing processes used for various journalism media.

Performance Element: Demonstrate knowledge of terminology associated with journalism.

Measurement Criteria: Define commonly used print journalism terms.

Performance Element: Cultivate sources for stories.

Measurement Criteria: Develop a story based on information found on an assigned beat or in other media.

Measurement Criteria: Explain how to establish an investigative lead.

Measurement Criteria: Evaluate how a community calendar of events, police and fire communications, wire services, and verifiable Internet sources are useful for news writing.

Performance Element: Conduct research to gain information to use in writing a story.

Measurement Criteria:
Pathway Topic: Journalism and Broadcasting Pathway

Define off-the-record information.

**Measurement Criteria:** Identify uses of the newspaper morgue and public records.

**Measurement Criteria:** Demonstrate methods for verification of information.

Performance Element: Write stories for print and broadcast.

**Measurement Criteria:** Identify two commonly used style guides.

**Performance Element:** Write a print news story to meet a deadline, using organized research, note-taking skills to capture precise language of sources for direct quotations, transitions, and proofreading and copy-editing skills.

**Measurement Criteria:** Rewrite print news story for broadcast.

**Measurement Criteria:** Write a feature article for a news magazine.

Performance Element: Demonstrate how photographs support the development of stories.

**Measurement Criteria:** Write two stories about the same event: one with a photograph and one without a photograph.

Performance Element: Apply knowledge of the similarities and differences amongst editorial, feature, and news writing styles.

**Measurement Criteria:** Write a news story.

**Measurement Criteria:** Write a feature story.

**Measurement Criteria:** Write an editorial story.

Performance Element: Research the uses of various word processing and publishing software, and the Internet as related to this pathway.

**Measurement Criteria:** Investigate various software used for the purposes of journalistic writing.

**Measurement Criteria:** Write a story using applicable software.

**Pathway KS Statement:** Demonstrate writing processes for broadcast media.

Performance Element: Demonstrate knowledge of terminology associated with broadcasting.

**Measurement Criteria:** Define commonly used broadcast media terms.

Performance Element: Exhibit an understanding of how to develop a complete media project.

**Measurement Criteria:** Write several stories in an appropriate broadcast style, choose one to become a lead story, and prioritize others.

**Measurement Criteria:** Select graphics for stories.

**Measurement Criteria:** Edit stories and develop headlines/teasers.

**Measurement Criteria:** Write a script for a radio broadcast.

Performance Element: Understand the use of promotional materials, standard public service announcements, commercials/ads, press kits, and advertising tags.

**Measurement Criteria:** Develop a package of promotional materials.

**Measurement Criteria:** Write a standard public service announcement.

**Measurement Criteria:** Produce a commercial and an advertising tag.

**Measurement Criteria:** Develop a press kit.

**Pathway KS Statement:** Demonstrate the ability to plan and deliver a
Pathway Topic: Journalism and Broadcasting Pathway

Broadcast Production.

Performance Element: Write a plan based on format and production assignment, including budget, storyboard, location, number of cameras, and time restrictions.

Measurement Criteria: Prepare a budget.
Measurement Criteria: Produce a storyboard.
Measurement Criteria: Identify location, number of cameras needed, and time restrictions.

Performance Element: Apply knowledge of rundown sheets and their uses.

Measurement Criteria: Describe the purposes of rundown sheets.
Measurement Criteria: Develop a rundown sheet for use with a broadcast.

Performance Element: Demonstrate announcing competence.

Measurement Criteria: Identify announcing techniques required for a specific format.
Measurement Criteria: Demonstrate clear delivery of news and other information using cueing devices, written scripts, and a TelePrompTer.
Measurement Criteria: Demonstrate pronunciation of common language items, idioms, foreign names, and geographic terms.
Measurement Criteria: Demonstrate script delivery skills for on- and off-camera, including emphasis, professional language, clarity, intonation, enunciation, poise, eye contact, projection, and extemporaneous speaking skills.

Performance Element: Identify wardrobe suitable for on-camera appearances.

Measurement Criteria: Select from magazines potential wardrobe for on-camera appearances.

Performance Element: Exhibit awareness of production functions.

Measurement Criteria: Identify demographics and audience rating standards.
Measurement Criteria: Describe targeting content for audiences.
Measurement Criteria: Practice organizing story order and editing material.
Measurement Criteria: Practice organizing and packaging programs.
Measurement Criteria: Discuss development of contractual details.

Performance Element: Demonstrate promoting productions.

Measurement Criteria: Discuss various promotions activities, including image, cross-promoting with other programs and features, contests, broadcasts from remote locations, public appearances, involvement in community activities, and Internet activities.
Measurement Criteria: Develop a production promotion involving several activities discussed.

Performance Element: Exhibit awareness of how image capturing and graphics design support the development of electronic presentations.

Measurement Criteria: Develop two productions on the same topic: one including captured images and graphic design and one excluding images and graphic design.

Performance Element: Understand the distinctions between various musical forms.

Measurement Criteria: Identify rock, jazz, classical, folk, and nostalgic music.
Pathway Topic: Journalism and Broadcasting Pathway

Measurement Criteria: Identify trade magazines associated with radio.

Performance Element: Exhibit an understanding of the business and economic factors that influence programming, content, and distribution.

Measurement Criteria: Identify similarities and differences of public and commercial radio and television station operations.

Measurement Criteria: Identify several types of advertising/marketing activities used by public and commercial radio or television stations.

Pathway KS Statement: Demonstrate a knowledge and understanding of technical support related to broadcasting.

Performance Element: Examine equipment and its function.

Measurement Criteria: Operate audio recording and editing equipment.

Measurement Criteria: Operate image recording and editing equipment.

Performance Element: Exhibit knowledge of production activities.

Measurement Criteria: Demonstrate set-up and striking equipment, as specified by a production design.

Measurement Criteria: Coordinate video and audio equipment, as specified by a production design.

Measurement Criteria: Implement a schedule, as specified by a production design.

Performance Element: Apply knowledge of running a board shift.

Measurement Criteria: Demonstrate the use of a cross-check cue sheet, daily log and program.

Measurement Criteria: Locate and load programs and commercials, control on-air sound quality, and check audio quality.

Measurement Criteria: Perform time checks and meet broadcast deadlines.

Measurement Criteria: Record live programming, satellite feeds, and network feeds.

Performance Element: Exhibit knowledge of set planning.

Measurement Criteria: Develop a set plan, including electronic media, lighting, props, time, and atmosphere.

Pathway KS Statement: Exhibit knowledge of ethics and legal issues related to journalism and broadcasting.

Performance Element: Identify ethical responsibilities and how they relate to the degree of influence the media has on individuals.

Measurement Criteria: Describe why it is important to pursue truth in ambiguous situations.

Measurement Criteria: Demonstrate ethical behavior in writing or speaking related to presenting information to the public.

Performance Element: Demonstrate professional conduct and a professional code of ethics.

Measurement Criteria: Identify groups that define a code of ethics for journalism and broadcasting.

Measurement Criteria: Develop a set of guidelines for the use of materials developed
Pathway Topic: Journalism and Broadcasting Pathway

Performance Element: Investigate how the First Amendment, Freedom of Information Act, libel, slander, and copyright laws affect journalism and broadcasting.

Measurement Criteria: Compare journalism and broadcasting in this country to that of other countries which do not have rights such as those provided by the First Amendment in the United States.

Measurement Criteria: Identify how the Freedom of Information Act has allowed the media to bring more complete and accurate information to the public.

Measurement Criteria: Describe copyright laws related to the use of text; images; and recorded, Internet, and oral materials.

Measurement Criteria: Describe issues related to libel and slander.

Performance Element: Comprehend legal responsibilities associated with the use of public airwaves and station operation as required by federal governmental agencies.

Measurement Criteria: Identify the federal agencies that have jurisdiction over public airwaves.

Measurement Criteria: Describe the scope of issues addressed in federal laws and regulations related to broadcasting.
PATHWAY: Performing Arts

Pathway Topic: Dance

Pathway KS Statement: Demonstrate an awareness of the arts in various cultures.

Performance Element: Articulate the characteristics of various arts from past and/or present cultures.

Measurement Criteria: Explain the arts from past and present cultures.
Measurement Criteria: Exhibit the arts from the medieval period.
Measurement Criteria: Exhibit the arts from the 20th century.

Performance Element: Analyze the origin and evolution of the arts.

Measurement Criteria: Illustrate how the arts originated and evolved.
Measurement Criteria: Analyze the origin of the arts.
Measurement Criteria: Analyze the evolution of the arts.
Measurement Criteria: Analyze cultural venues in the arts.

Performance Element: Analyze similar themes and their various cultural interpretations.

Measurement Criteria: Compare the theme of revenge through various cultural interpretations.
Measurement Criteria: Compare a love theme from various cultural perspectives and interpretations.

Pathway KS Statement: Compare and contrast the roles of creators, performers, and others involved in the production and presentation of the performing arts.

Performance Element: Define the roles of creators, performers, and others involved in the production and presentation of the arts.

Measurement Criteria: Identify the roles of creators, performers and others involved in the production and presentation of the arts.
Measurement Criteria: Compare the role of a creator with that of a performer.
Measurement Criteria: Compare the role of a performer with that of the technical design crew.

Performance Element: Define what factors could affect the roles of creators, performers and others in the production and presentation of the arts.

Measurement Criteria: Analyze examples of how current and future national and international events could affect the roles of creators, performers and others involved.
Measurement Criteria: Analyze how financial support could affect the roles of creators, performers, and others.
Measurement Criteria: Evaluate how various community mores might affect the roles of creators, performers and others.
Measurement Criteria: Analyze how community involvement could affect the roles of creators, performers, and others involved.

Pathway KS Statement: Analyze basic movement content in dance.

Performance Element: Demonstrate appropriate skeletal alignment, body-part articulation, strength, flexibility, agility, and coordination in locomotor and non-
Pathway Topic: Dance

locomotor/axial movements.

**Measurement Criteria:** Demonstrate specific dance movements showing the importance of using appropriate skeletal alignment in dance.

**Measurement Criteria:** Demonstrate various examples differentiating body-art articulation.

**Measurement Criteria:** Illustrate exercises that build strength, flexibility, agility, and coordination in locomotor axial movements.

**Measurement Criteria:** Illustrate exercises that build strength, flexibility, agility and coordination in non-locomotor axial movements.

**Measurement Criteria:** Demonstrate body projection while performing dance skills.

**Performance Element:** Demonstrate rhythm.

**Measurement Criteria:** Apply an ability to listen and distinguish rhythm patterns in music.

**Measurement Criteria:** Apply various rhythm patterns to basic dance movements.

**Measurement Criteria:** Practice basic dance movements using proper tempo and pace.

**Measurement Criteria:** Demonstrate the ability to keep rhythm, tempo, and pace in a dance movement.

**Performance Element:** Create and perform combinations and variations in a broad dynamic range.

**Measurement Criteria:** Apply an understanding of basic dance combinations using appropriate movements.

**Measurement Criteria:** Apply variations of rondo, round, and contemporary forms.

**Measurement Criteria:** Demonstrate an understanding of basic dance combinations and variations using appropriate movements.

**Measurement Criteria:** Refine techniques through self-evaluation and correction.

**Pathway KS Statement:** Demonstrate complex steps and patterns from various dance styles and traditions.

**Performance Element:** Demonstrate choreographic principles, processes, and structures.

**Measurement Criteria:** Define choreographic principles, processes, and structures.

**Measurement Criteria:** Apply principles of contrast and transition.

**Measurement Criteria:** Apply processes of reordering and chance.

**Measurement Criteria:** Demonstrate processes of improvisation.

**Measurement Criteria:** Demonstrate structures or forms of AB, ABA, canon, call and response, and narrative.

**Performance Element:** Apply techniques required for partner and ensemble performances.

**Measurement Criteria:** Demonstrate partner/ensemble copying, leading, and following.

**Measurement Criteria:** Perform as a partner or in an ensemble an understanding of complementary and contrasting shapes.

**Measurement Criteria:** Demonstrate partner/ensemble taking and supporting weight.

**Performance Element:** Evaluate an original work.
Pathway Topic: Dance

Measurement Criteria: Develop an original work.
Measurement Criteria: Demonstrate a high level of consistency and reliability in performing technical skills.
Measurement Criteria: Perform technical skills with artistic expression demonstrating clarity, rhythm, and stylistic nuance.
Measurement Criteria: Refine an original work.
Measurement Criteria: Demonstrate artistic discipline to achieve an ensemble in rehearsal and performance.

Pathway Topic: Music

Pathway KS Statement: Demonstrate, both alone and with others, performing vocally or on instruments, a varied repertoire of music.

Performance Element: Recognize melodies, variations, and accompaniments.
Measurement Criteria: Identify stylistically appropriate harmonizing parts.
Measurement Criteria: Identify rhythmic and melodic variations on given pentatonic melodies and those in major and minor keys.
Measurement Criteria: Identify original melodies over given chord progressions, each in a consistent style, meter, and tonality.

Performance Element: Demonstrate the ability to recognize and/or read musical symbols.
Measurement Criteria: Demonstrate the ability to interpret music notational symbols.
Measurement Criteria: Demonstrate the ability to interpret music vocabulary in a varied repertoire of music.
Measurement Criteria: Demonstrate the ability to read musical compositions, sing or perform on instruments, in a varied repertoire of music.

Performance Element: Demonstrate the ability to recognize instrumental or vocal scores.
Measurement Criteria: Demonstrate the ability to read vocal or instrumental scores conveying precise musical meaning.
Measurement Criteria: Demonstrate the ability to read vocal or instrumental scores with creative expression.
Measurement Criteria: Demonstrate the ability to read vocal or instrumental scores with musical meaning and creative expression.

Performance Element: Utilize and distinguish the elements of music in a given work.
Measurement Criteria: Identify the theme, the key, tempo, pace, and mood in a given work.
Measurement Criteria: Listen to a given work distinguishing the elements of music.
Measurement Criteria: Play or vocalize a given work utilizing an understanding of the elements of music it encompasses.

Pathway KS Statement: Analyze aural examples of various repertoires of music representing diverse genres, cultures and historical periods.

Performance Element: Recognize music from historical periods.
Measurement Criteria: Demonstrate knowledge of musical styles that represent specific historical periods and cultures.
Pathway Topic: Music

**Measurement Criteria:** Describe unique characteristics of music used for different purposes in cultures throughout history.

**Measurement Criteria:** Listen to known composers and their repertoire, which represents specific historical periods and their emotional messages.

**Measurement Criteria:** Describe the impact of music from historical periods on our senses, intellects, and emotions.

**Performance Element:** Comprehend and arrive at an aesthetic perception of different pieces of music from diverse cultures.

**Measurement Criteria:** Demonstrate an expanded vocabulary when responding to the expressive qualities of different pieces of music.

**Measurement Criteria:** Identify commonalties and differences between different pieces of music from diverse cultures.

**Measurement Criteria:** Describe in writing the aesthetic perception of a piece of music from a diverse culture.

**Performance Element:** Compare ways in which the same musical styles are used in multiple genres.

**Measurement Criteria:** Identify musical styles and genres.

**Measurement Criteria:** Practice listening to a variety of diverse musical genres noting their musical styles.

**Measurement Criteria:** Identify the musical styles in various genres that are similarly found in varied cultures.

**Measurement Criteria:** Describe the importance of musical styles as they relate to the needs of a society or group within various cultures.

**Pathway KS Statement:** Demonstrate a knowledge of music theory.

**Performance Element:** Demonstrate a knowledge of the timbre and traditional usage of sound sources in arranging and composing music.

**Measurement Criteria:** Identify compositions with a wide range of sound sources.

**Measurement Criteria:** Demonstrate a range of sound sources in a music arrangement.

**Measurement Criteria:** Demonstrate the usage of sound sources when arranging music.

**Performance Element:** Apply elements of music for expressive effect.

**Measurement Criteria:** Identify the elements of music that produce an expressive effect.

**Measurement Criteria:** Demonstrate the range of expressive effects and artistic expressions through vocal and instrumental music.

**Measurement Criteria:** Practice using intuitive reactions experienced in vocal and instrumental music for expressive effect.

**Performance Element:** Demonstrate technical skills in applying the principles for arranging and composing music.

**Measurement Criteria:** Compose a simple musical composition that applies the technical skills.

**Measurement Criteria:** Analyze more complex compositions using the technical skills achieved.

Pathway Topic: Theatre and Playwriting
Pathway Topic: Theatre and Playwriting

Pathway KS Statement: Analyze the physical, emotional, and social dimensions of characters found in dramatic texts from various genres and media.

Performance Element: Demonstrate the physical characteristics in dramatic texts from various genres and media.

Measurement Criteria: Identify different physical characteristics in dramatic texts from various genres.

Measurement Criteria: Identify different physical dimensions of characters seen in dramatic texts from media.

Measurement Criteria: Demonstrate examples of the variety of physical characteristics in various genres.

Measurement Criteria: Demonstrate the various physical characteristics in media.

Performance Element: Demonstrate the emotional dimensions of characters found in dramatic texts from various genres and media.

Measurement Criteria: Identify different emotional dimensions of characters found in dramatic texts from various genres and media.

Measurement Criteria: Demonstrate examples of the emotional dimensions of characters found in dramatic texts from various genres and media.

Measurement Criteria: Analyze the differences in playing various characters and their emotional dimensions.

Performance Element: Demonstrate the social dimensions of characters found in dramatic texts from various genres and media.

Measurement Criteria: Identify different social dimensions of characters found in dramatic texts from various genres.

Measurement Criteria: Identify different social dimensions of characters found in dramatic texts from media.

Measurement Criteria: Demonstrate examples of social dimensions found in dramatic texts from various genres.

Measurement Criteria: Demonstrate examples of social dimensions found in dramatic texts from media.

Performance Element: Create characters consistent with classical, contemporary, and realistic/non-realistic dramatic texts in informal/formal theatre, film, television, or electronic media productions.

Measurement Criteria: Describe characters consistent with classical dramatic texts in informal/formal theatre, film, television, or electronic media productions.

Measurement Criteria: Describe characters consistent with contemporary dramatic texts in informal/formal theatre, film, television or electronic media productions.

Measurement Criteria: Describe characters consistent with realistic/non-realistic dramatic texts in informal/formal theatre, film, television or electronic media productions.

Measurement Criteria: Demonstrate creating characters consistent with classical, contemporary, and realistic/non-realistic dramatic texts.
Pathway Topic: Theatre and Playwriting

**Measurement Criteria:** Demonstrate creating consistent characters for informal/formal theatre, film, television or electronic media productions.

**Pathway KS Statement:** Demonstrate an acting technique and method.

**Performance Element:** Recognize various classical and contemporary acting techniques and methods.

- **Measurement Criteria:** Identify classical acting techniques and methods.
- **Measurement Criteria:** Identify contemporary acting techniques and methods.
- **Measurement Criteria:** Practice classical acting techniques and methods.
- **Measurement Criteria:** Practice contemporary acting techniques and methods.
- **Measurement Criteria:** Perform both classical and contemporary acting techniques and methods.

**Performance Element:** Create and sustain characters that connect with audiences.

- **Measurement Criteria:** Create characters from a scene that connects with an audience.
- **Measurement Criteria:** Practice and refine techniques that connect characters with an audience.
- **Measurement Criteria:** Perform a scene where the actor creates and sustains characters that connect with an audience.

**Performance Element:** Demonstrate artistic discipline to achieve an ensemble in rehearsal and performance.

- **Measurement Criteria:** Describe the physical, mental, and emotional qualities needed to achieve an ensemble in rehearsal and performance.
- **Measurement Criteria:** Describe the steps needed to achieve optimal well-being before an ensemble rehearsal and performance.
- **Measurement Criteria:** Research a production's historical period and the author's message before the final rehearsal and performance.
- **Measurement Criteria:** Demonstrate the professional characteristics needed as an actor to achieve an ensemble in rehearsal and performance.

**Pathway KS Statement:** Recognize and utilize the technical aspects of theater from the perspective of the playwright and actor: lights, sound, properties, costumes, and make-up.

**Performance Element:** Demonstrate and utilize the technical aspects of theater from the perspective of the playwright and actor.

- **Measurement Criteria:** Identify technical aspects that playwrights and actors should understand regarding lighting techniques and stage management.
- **Measurement Criteria:** Identify the technical aspects that playwrights and actors should understand about stage sound systems and sound effects.
- **Measurement Criteria:** Illustrate examples of effective and ineffective lighting in a theater production from the perspective of the playwright and actor.
- **Measurement Criteria:** Illustrate examples of effective and ineffective use of sound in a theater production from a playwright and actor's perspective.
Pathway Topic: Theatre and Playwriting

**Measurement Criteria:** Demonstrate effective use of lighting and sound in a theater production from the playwright and actor's perspective.

**Performance Element:** Demonstrate and utilize the technical aspects of theater properties from the perspective of the playwright and actor.

**Measurement Criteria:** Identify the technical aspects of theater properties from the perspective of the playwright and actor.

**Measurement Criteria:** Illustrate visual examples of theater properties from a musical performance.

**Measurement Criteria:** Compare effective and ineffective choices of theater properties for a performance from the perspective of the playwright and actor.

**Measurement Criteria:** Demonstrate effective selection of theater properties for a performance and an understanding of its technical aspects from the playwright and actor's perspective.

**Performance Element:** Demonstrate and utilize the technical aspects of theater costuming from a playwright and actor's perspective.

**Measurement Criteria:** Identify the technical aspects of theater costuming from the perspective of the playwright and actor.

**Measurement Criteria:** Illustrate effective and ineffective theater costuming for a performance.

**Measurement Criteria:** Compare effective and ineffective theater costuming for a performance from the playwright and actor's perspective.

**Measurement Criteria:** Demonstrate effective costuming selections for a stage performance, showing an understanding of the technical aspects crucial to a playwright and actor.

**Performance Element:** Demonstrate and utilize the technical aspects of theater, from the perspective of the playwright and actor, relative to the use of make-up.

**Measurement Criteria:** Identify the technical aspects of theater from the perspective of the playwright and actor, relative to the use of make-up.

**Measurement Criteria:** Illustrate excellent and poor visual examples of actors wearing theater make-up for a performance.

**Measurement Criteria:** Describe the technical aspects of an illustration, explaining correct usage of make-up to enhance a performance.

**Measurement Criteria:** Demonstrate on yourself or another, the correct usage of make-up to achieve a particular look or mood.

**Pathway KS Statement:** Demonstrate the ability to write theatre, film, television, or electronic media scripts in a variety of traditional and current formats.

**Performance Element:** Demonstrate the ability to write theatre scripts in a variety of traditional and current formats.

**Measurement Criteria:** Identify a theme and story-line for a theatre script in a traditional or current format.

**Measurement Criteria:** Describe in writing an outline for a theatre script in a traditional or current format.

**Measurement Criteria:** Write a theatre script in a traditional or current format.
Pathway Topic: Theatre and Playwriting

**Measurement Criteria:** Edit and refine a theatre script in a traditional or current format.

Performance Element: Demonstrate the ability to write film scripts in a variety of traditional and current formats.

**Measurement Criteria:** Identify a historical theme for a film script in a traditional or current format.

**Measurement Criteria:** Research the historical time period and past events for a film script in a traditional or current format.

**Measurement Criteria:** Create an outline for a historical film script in a traditional or current format.

**Measurement Criteria:** Write a historical film script in a traditional or current format.

Performance Element: Demonstrate the ability to write television scripts in a variety of traditional and current formats.

**Measurement Criteria:** Identify an appropriate program for a television script in a traditional or current format.

**Measurement Criteria:** Research the social and emotional issues pertinent to developing a program for a television script in a traditional or current format.

**Measurement Criteria:** Demonstrate in outline form a television script for a program in a traditional or current format.

**Measurement Criteria:** Write a television script for a program in a traditional or current format.

Performance Element: Demonstrate the ability to write electronic media scripts in a variety of traditional and current formats.

**Measurement Criteria:** Identify an appropriate program for an electronic media script in a traditional or current format.

**Measurement Criteria:** Research the social, psychological, technical and legal issues pertinent to developing a program for an electronic media script in a traditional or current format.

**Measurement Criteria:** Demonstrate in outline form an electronic media script for a program in a traditional or current format.

**Measurement Criteria:** Write an electronic media script for a program in a traditional or current format.

**Measurement Criteria:** Edit and refine the electronic media script.

Pathway KS Statement: Demonstrate knowledge of commercial aspects of performing arts.

Performance Element: Identify the commercial aspects of performing arts.

**Measurement Criteria:** Define the commercial aspects of the performing arts.

**Measurement Criteria:** Illustrate the commercial aspects available in the audio and video recording industries.

**Measurement Criteria:** Illustrate the commercial aspects available in live stage and
Pathway Topic: Theatre and Playwriting

Performance Element: Interpret the commercial aspects of the performing arts.

Measurement Criteria: Illustrate the commercial aspects available in playwriting.

Measurement Criteria: Demonstrate how the commercial aspects of music, dance and choreography are interrelated.

Measurement Criteria: Demonstrate how the commercial aspects of musical and theatrical productions evolved.

Measurement Criteria: Demonstrate the commercial aspects involved in creating a modern production.

Performance Element: Analyze how the commercial aspects of the arts have evolved regarding audience demographics, marketing campaigns, wages and other areas.

Measurement Criteria: Apply examples showing how the commercial aspects of the performing arts can evolve.

Measurement Criteria: Describe the commercial aspects available in the 18th century in the performing arts industry.

Measurement Criteria: Describe the commercial aspects of marketing campaigns in the arts industry during the 20th century.

Measurement Criteria: Analyze the percentage of U.S. income that commercial aspects derived from the performing arts industry in the 18th century vs. the 20th century.

Pathway Topic: Technical Design and Production: Sound, Stage Sets, Lighting, Costumes, Hair and Make-up

Pathway KS Statement: Analyze how technical design (lighting, sound, costumes, make-up, etc.) contributes to performance.

Performance Element: Demonstrate how costuming conveys the mood, characterization, setting, and status of characters.

Measurement Criteria: Explain how costume color, fabric, and design convey mood, characterization, setting, and status of characters.

Measurement Criteria: Demonstrate how costuming conveys characterization.

Measurement Criteria: Demonstrate how costuming conveys the mood and setting.

Measurement Criteria: Demonstrate how costuming conveys the status of characters.

Measurement Criteria: Analyze the degree of difference in mood, characterization, setting, and status of characters with or without the use of costuming.

Performance Element: Demonstrate how stage lighting affects mood, setting, and characterization.

Measurement Criteria: Identify how lighting affects mood, setting, and characterization in a scene.

Measurement Criteria: Research how lighting techniques used in the past century have affected mood, setting and characterization.

Measurement Criteria: Analyze how lighting techniques create mood, setting, and characterization in modern theater.

Pathway KS Statement: Research past and present production stage sets, costumes, lighting, and other effects that support a performance.
Pathway Topic: Technical Design and Production: Sound, Stage Sets, Lighting, Costumes, Hair and Make-up

Performance Element: Interpret cultural and historical eras in theater.

**Measurement Criteria:**
- Compare how stage sets, costumes, lighting and other effects support cultural interpretations.
- Compare Shakespearean and Victorian depictions of English social mores.
- Compare Roman and Greek depictions of civic law.
- Analyze the similarities and differences between cultural and historical periods through theatrical design.

Performance Element: Analyze the social and aesthetic impact of sets, effects, and costuming.

**Measurement Criteria:**
- Compare the social and aesthetic impact of sets, effects, and costuming in a play performed in different regions of the world.
- Compare the social and aesthetic impact of sets, effects, and costuming in a scene from an opera versus a musical.
- Compare the social and aesthetic impact of sets, effects, and costuming in a professional versus an amateur production.

Performance Element: Compare similar themes and how they have been interpreted in different cultures.

**Measurement Criteria:**
- Analyze similar themes and how they have been interpreted in different cultures.
- Compare the theme of revenge in a Shakespearean play versus a 20th century musical stage performance.
- Compare similar themes and their treatment in different cultures and in various informal settings.
- Compare a love theme in an ancient culture versus a modern culture.

**Pathway KS Statement:** Demonstrate how technology reinforces, enhances, or alters performances.

Performance Element: Analyze historical and current productions to determine how technology reinforces, enhances or alters performances.

**Measurement Criteria:**
- Compare historical and current productions to show how technology reinforces performances.
- Compare historical and current productions to show how technology alters or enhances performances.

Performance Element: Research past and current productions to determine technical design needed to support a performance.

**Measurement Criteria:**
- Compare past and current productions to determine how stage sets support a performance.
- Compare past and current productions to determine how costumes support a performance.
- Compare past and current productions to determine how lighting supports a performance.
Pathway Topic:  Technical Design and Production: Sound, Stage Sets, Lighting, Costumes, Hair and Make-up

Measurement Criteria:  Compare past and current productions to determine how other effects support a performance.

Performance Element:  Analyze the social, aesthetic, and economic impact of sets, effects, and costuming.

Measurement Criteria:  Compare the social and aesthetic impact of various sets, effects and costuming.

Measurement Criteria:  Compare the social and aesthetic impact of sets, effects, and costuming in an opera scene versus a musical.

Measurement Criteria:  Compare the social and aesthetic impact of sets, effects and costuming in a professional versus an amateur theater performance.

Pathway KS Statement:  Analyze how artistic processes, organizational structure, and business principles are interrelated in the various arts.

Performance Element:  Analyze artistic processes, organizational structure, and business principles as they relate to the arts.

Measurement Criteria:  Define elements as they relate to the arts.

Measurement Criteria:  Analyze artistic processes.

Measurement Criteria:  Analyze organizational and business principles.

Performance Element:  Compare how artistic processes, organizational structure, and business principles are used in the performing arts.

Measurement Criteria:  Design an organizational chart outlining the technical design and production crew for a play versus an opera.

Measurement Criteria:  Compare the artistic process of a musical conductor versus a soloist in preparation for a concert.

Measurement Criteria:  Compare how period research relates to various performing arts venues, such as musical interpretation, playwriting, and stage design.

Measurement Criteria:  Analyze the dissimilar areas of performing arts relative to artistic processes, venues and organizational structures.

Pathway KS Statement:  Synthesize the knowledge of technical aspects of theater, film, television, and electronic media into a production.

Performance Element:  Identify and apply knowledge of stage management and organization.

Measurement Criteria:  Identify the organizational chart for a stage management team.

Measurement Criteria:  Identify the technical crew in an organizational chart for a professional versus a community theater production.

Measurement Criteria:  Apply knowledge of stage management and organization for a play.

Measurement Criteria:  Apply knowledge of stage management and organization in selecting stage set designs for a musical performance.

Performance Element:  Identify and apply theatrical terms relative to technical design and production.

Measurement Criteria:  Identify industry terminology for theatrical lighting,
Pathway Topic: Technical Design and Production: Sound, Stage Sets, Lighting, Costumes, Hair and Make-up

costuming, scenery, hair, make-up, and properties.

**Measurement Criteria:** Describe in writing a knowledge of technical design and production terminology.

**Measurement Criteria:** Apply theatrical terminology in developing technical design and production aspects for a play.

**Measurement Criteria:** Evaluate how theater productions have benefited from stage crews knowledgeable of technical design and production.

Performance Element: Demonstrate the ability to work within a theatrical production.

**Measurement Criteria:** Demonstrate physical, mental and creative abilities needed to work successfully with an ensemble.

**Measurement Criteria:** Demonstrate a comprehension of the role of the technical design crew, prior to and during production.

**Measurement Criteria:** Identify technical design responsibilities in a small versus a metropolitan theater production.

**Measurement Criteria:** Practice working successfully with an ensemble before final dress rehearsal.

Performance Element: Demonstrate artistic discipline to achieve an ensemble in rehearsal and performance.

**Measurement Criteria:** Describe personal characteristics that promote success from an ensemble in rehearsal and performance.

**Measurement Criteria:** Describe the steps needed to achieve optimal artistic discipline from an ensemble rehearsal and performance.

**Measurement Criteria:** Describe the level of excellence needed from an ensemble during rehearsal and performance.

**Measurement Criteria:** Demonstrate the responsibility and professionalism needed as a member of an ensemble in rehearsal and performance.

**Measurement Criteria:** Research a production's historical period and the author's message, prior to final rehearsal and performance.
Pathway: Printing Technologies

Pathway Topic: Printing

Pathway KS Statement: Apply knowledge of the processes required for the production of various printed products.

Performance Element: Demonstrate the diversity of the printing process to include paper, non-paper substrates, and specialty products.

Measurement Criteria: Identify the printing processes used to create books, money, containers, and wallpaper.

Measurement Criteria: Identify printing processes used on non-paper substrates, including packaging, mylar, and foils.

Measurement Criteria: Identify the processes used to print on credit cards, laminates, flooring, pharmaceuticals, and food products.

Performance Element: Examine the impact of the printing industry on the US economy.

Measurement Criteria: Describe the economic aspects of printing in terms of profit and number of employees involved in the industry.

Performance Element: Examine the impact of emerging technologies in hardware and software applications.

Measurement Criteria: Describe the expansion of printing with the development of computer applications.

Measurement Criteria: Describe the resulting change in lifestyle of printing employees related to technology.

Pathway KS Statement: Manage the printing through customer service and sales, scheduling, and quality control.

Performance Element: Apply knowledge of customer needs and expectations with printing services being promoted.

Measurement Criteria: Identify customer requirements, timelines, and budget in a given situation.

Measurement Criteria: Verify final costs and ability to produce materials for time specified to customer.

Performance Element: Apply knowledge of services, equipment, capabilities, workflow process, data acquisition, and technology to customer service.

Measurement Criteria: Analyze cluster data files to determine compatibility with printing processes.

Measurement Criteria: Determine if graphics, images, film fonts, inserts, etc. are required for a print job.

Measurement Criteria: Disseminate customer information to production department.

Measurement Criteria: Communicate with customer to provide updates in schedule and product status.

Performance Element: Analyze scheduling processes to ensure timely completion of projects.

Measurement Criteria: Plan project schedule related to job specifications.

Measurement Criteria: Schedule resources to complete job.

Measurement Criteria: Monitor project status.

Performance Element: Identify quality control measures.
Pathway Topic: Printing

**Measurement Criteria:** Communicate quality standards and expectations for a job to technical production staff.

**Measurement Criteria:** Monitor project quality to meet required standards.

**Measurement Criteria:** Specify points in process for client approval.

**Measurement Criteria:** Demonstrate copying and backup processes for client files.

Pathway KS Statement: **Demonstrate preparation of customer materials for imaging.**

Performance Element: Demonstrate previewing materials for imaging (pre-flighting).

**Measurement Criteria:** Analyze client disc files to ensure software and hardware compatibility for the job components.

**Measurement Criteria:** Identify required job components including graphics, fonts, and images; transparencies; hard mechanicals; and film.

**Measurement Criteria:** Demonstrate resolution of file errors.

Performance Element: Apply knowledge of camera and scanner operations to produce images using process photography.

**Measurement Criteria:** Identify the types of press and types of paper for press gain compensation.

**Measurement Criteria:** Analyze original to determine required reproduction techniques.

**Measurement Criteria:** Demonstrate capturing an image.

**Measurement Criteria:** Differentiate between transmissive versus reflective light.

**Measurement Criteria:** Illustrate understanding of color separation (RGB to CMYK).

Performance Element: Demonstrate conversion from analog to digital forms, using scanning equipment.

**Measurement Criteria:** Demonstrate adjusting the scanning equipment for various processes.

**Measurement Criteria:** Demonstrate how to adjust images.

**Measurement Criteria:** Retrieve digital images.

Performance Element: Demonstrate moving manuscripts into a form that is camera-ready copy.

**Measurement Criteria:** Use word processing to develop camera-ready copy.

Pathway KS Statement: **Analyze image retrieval through refinement, page assembly processes and type set, and trapping.**

Performance Element: Identify processes to modify images to conform to layout design.

**Measurement Criteria:** Comprehend the process of color separation.

**Measurement Criteria:** Identify processes used to manipulate the images to meet specifications.

Performance Element: Examine page assembly process.

**Measurement Criteria:** Identify the processes involved in building the document.

**Measurement Criteria:** Identify the steps in preparing files for imaging.

**Measurement Criteria:** Identify problems that can occur in the page assembly process.

Performance Element: Examine trapping processes.
Pathway Topic: Printing

**Measurement Criteria:** Define trapping.
**Measurement Criteria:** Identify trapping requirements and processes.

**Pathway KS Statement:** Analyze output processes, including digital, film, directive platemaking, and cylinders.

**Performance Element:** Examine digital output software.
**Measurement Criteria:** Explain the processes for which CTP, PDF, ADOBE, PS, and DSC would be used.

**Performance Element:** Examine film output processes.
**Measurement Criteria:** Describe the critical elements in creating proofs and films.

**Performance Element:** Examine directive processes.
**Measurement Criteria:** Describe the processes that take output directly to the press.

**Performance Element:** Examine platemaking and cylinders as output processes.
**Measurement Criteria:** Describe platemaking and cylinder-making.

**Pathway KS Statement:** Examine the finishing and distribution operations related to printing.

**Performance Element:** Apply knowledge and skills related to binding processes used to finish printed materials.
**Measurement Criteria:** Define binding processes, including cutting, folding, and trimming.

**Measurement Criteria:** Calculate basic paper counts from a stock sheet.
**Measurement Criteria:** Demonstrate folding a single and tri-fold brochure, adapting equipment as needed.

**Measurement Criteria:** Identify saddle stitch, perfect bind, and flat stitching in various printed materials.
**Measurement Criteria:** Demonstrate basic saddle stitch and simple padding press operations.

**Performance Element:** Examine the specialty operations related to finishing.
**Measurement Criteria:** Define specialty processes.

**Measurement Criteria:** Identify embossing, foil stamping, die cutting, and laminating samples in printed materials.

**Performance Element:** Apply packaging knowledge and skills to provide the customer with delivery of the product as specified.
**Measurement Criteria:** Identify how paper labels, ink jet labels, and bulk forms are used and printed for packages.

**Measurement Criteria:** State the postal regulations related to packages, contents, size, and destinations.

**Measurement Criteria:** Describe each of the following mail processes and when each is used: sorting, barcodes, bundling, and sacking.

**Measurement Criteria:** Demonstrate meeting customer needs in labeling, packaging, and shipping to meet expected standards.

**Pathway KS Statement:** Apply knowledge of basic printing processes.

**Performance Element:** Explain printing processes related to lithographic, planographic, gravure, intaglio, and screen.
Pathway Topic: Printing

**Measurement Criteria:** Define each process.

**Measurement Criteria:** Identify the processes that are from the surface, below the surface, and through the surface.

**Measurement Criteria:** Describe the product application for each type of process.

Performance Element: Examine ink and ink processes used for various types of printing.

**Measurement Criteria:** Identify how to select an ink for a given printing process.

**Measurement Criteria:** Describe how the properties of ink affect coverage, color, and color separation.

**Measurement Criteria:** Explain the application of ink for printing processes, including those from the surface, below the surface, and through the surface.

Performance Element: Apply knowledge of basic printing processes.

**Measurement Criteria:** Identify basic offset duplication parts and operation.

**Measurement Criteria:** Perform basic set-up for printing a single color job.

**Measurement Criteria:** Produce a printed single color job using an offset duplicator.

**Measurement Criteria:** Perform basic cleanup and maintenance.
PATHWAY: Telecommunications Technologies

Pathway Topic: Telecommunications

Pathway KS Statement: Demonstrate the use of industry-specific terminology, tools and test equipment related to telecommunications.

Performance Element: Define terms utilized in direct, alternating current and digital technology.

Measurement Criteria: Identify terms as utilized in telecommunications.
Measurement Criteria: Construct AC and DC circuits.
Measurement Criteria: Explain AC and DC terminology.
Measurement Criteria: Apply systematic approach to troubleshooting semiconductor devices.

Performance Element: Demonstrate use and care of precision measuring tools and instruments.

Measurement Criteria: Identify precision measuring tools and instruments.
Measurement Criteria: Apply use and care principles to precision measuring tools and instruments.
Measurement Criteria: Demonstrate use of precision measuring tools and instruments in an industry setting.

Performance Element: Demonstrate use and care of hand and power tools.

Measurement Criteria: Identify hand and power tools.
Measurement Criteria: Explain use and care of hand and power tools.
Measurement Criteria: Apply industry established procedures for use of hand and power tools.

Performance Element: Demonstrate use and care of test equipment.

Measurement Criteria: Examine varieties of test equipment for specific uses.
Measurement Criteria: Select specific test equipment.
Measurement Criteria: Explain uses for test equipment.

Pathway KS Statement: Describe the characteristics of analog and digital technologies applications for telecommunications.

Performance Element: Analyze analog circuit and digital logic devices.

Measurement Criteria: Apply logical and systematic approach to troubleshooting analog and digital logic devices.
Measurement Criteria: Construct analog to digital and digital to analog devices.

Performance Element: Demonstrate analog circuit test procedures.

Measurement Criteria: Set-up and operate test equipment for analog circuit tests.
Measurement Criteria: Explain analog circuit test procedures.

Performance Element: Demonstrate digital signal technology.

Measurement Criteria: Identify digital signal technology.
Measurement Criteria: Analyze varieties of digital signal technology.

Pathway KS Statement: Demonstrate installation techniques and processes utilizing telecommunication tools and materials.

Performance Element: Demonstrate knowledge of soldering and desoldering.

Measurement Criteria: Identify types of soldering and desoldering techniques.
Pathway Topic: Telecommunications

Performance Element: Demonstrate knowledge of fasteners and terminals.

Measurement Criteria: Perform standard soldering and desoldering techniques.

Measurement Criteria: Demonstrate use of fasteners and terminals.

Measurement Criteria: Demonstrate wire-wrapping techniques.

Performance Element: Explain installation strengths and weaknesses including fiber, coaxial, copper and other types.

Measurement Criteria: Identify installation strengths and weaknesses utilizing a physical layout.

Measurement Criteria: Define method for tagging wire and cables of various types.

Measurement Criteria: Apply testing procedures and terminate as necessary.

Pathway KS Statement: Analyze schematics, diagrams, and blueprints using appropriate terms, vocabulary and industry-specific codes and regulations.

Performance Element: Interpret industry specific codes and regulations.

Performance Element: Identify occupational specific required licenses.

Performance Element: Demonstrate familiarity with code and certifying agencies.

Performance Element: Interpret schematics, diagrams, and blueprints.

Measurement Criteria: Explain the meanings of symbols, color codes, acronyms, references and maps.

Measurement Criteria: Explain use of schematics, diagrams, and blueprints to construct/assemble equipment.

Performance Element: Generate technical documents.

Measurement Criteria: Prepare customer documents used for removal, repair, and reinstallation of telecommunications systems or components.

Measurement Criteria: Maintain service documentation library and internal files.

Measurement Criteria: Demonstrate the ability to document engineering changes.

Measurement Criteria: Perform complete documentation of maintenance and repair actions.

Pathway KS Statement: Apply decision-making and problem-solving techniques to repair and replacement procedures for telecommunications industry.

Performance Element: Demonstrate knowledge of procedures for equipment repair.

Measurement Criteria: Identify procedures for equipment repair.

Measurement Criteria: Select industry-specific procedures for equipment repairs.

Measurement Criteria: Evaluate procedures for equipment repairs.

Performance Element: Analyze replacement procedures considering standard maintenance processes.


Measurement Criteria: Select standard replacement procedures.
Pathway Topic: Telecommunications

**Measurement Criteria:** Practice standard industry-specific procedures for maintenance processes.

**Pathway KS Statement:** Apply knowledge of telecommunications to provide service and solve problems for customers.

Performance Element: Gather information related to customer needs and solve customer problems.

**Measurement Criteria:** Identify information related to customer needs.

**Measurement Criteria:** Define the problem-solving method.

**Measurement Criteria:** Identify the obstacles to solving problem and meeting the customer’s needs.

**Measurement Criteria:** Assess each alternative to determine potential solution.

**Measurement Criteria:** Select service or problem solving plan related to customer needs.

Performance Element: Provide expected customer service that meets the intent of state and national guidelines for consumer rights.

**Measurement Criteria:** Identify state and national guidelines for consumer rights of customers.

**Measurement Criteria:** Utilize procedures for consumer rights of customers.

Performance Element: Provide accurate data related to problems, time for repairs, and extent of the service required to solve problems.

**Measurement Criteria:** Explain technical information to the customer's knowledge level.

**Measurement Criteria:** Demonstrate communication skills with customers involving written, oral, listening and body language.

**Measurement Criteria:** Apply timely and accurate information.

**Measurement Criteria:** Explain the product and/or services that best meet the needs of the customer.
PATHWAY: Visual Arts

Pathway Topic: Visual Arts Pathway Knowledge and Skills

Pathway KS Statement: Research the scope of careers and opportunities in the Visual Arts Pathway.

Performance Element: Research career options in the visual arts.

Measurement Criteria: Identify specific jobs within art careers related to drawing, painting, and printmaking; photography; sculpting; textiles; curating and sales; and critiquing.

Measurement Criteria: Identify knowledge and skills requirements, education opportunities, and lifestyles associated with related career fields.

Performance Element: Analyze the business knowledge and skills necessary to create, maintain, and promote a career as a visual artist.

Measurement Criteria: Research the skills involved in owning an art-related business.

Measurement Criteria: Research written contracts involving issues relevant to the field, including scope of work, commission percentages, exhibition arrangements, and renting space.

Measurement Criteria: Communicate to potential customers in an articulate fashion the purpose of artwork, intentions, and the way the process and materials help to achieve them.

Measurement Criteria: Research the market for the type of work desired by the public.

Measurement Criteria: Formulate how to set prices on work, including that of peers.

Pathway KS Statement: Research the history and evolution of visual arts and their role within society.

Performance Element: Compare the changing purposes served by visual arts throughout history.

Measurement Criteria: Identify the purposes of visual arts historically, by examining works from various time periods.

Measurement Criteria: Compare examples of artwork from various periods that serve communal, social, religious, or political functions.

Measurement Criteria: Compare examples of artwork that document events and communicate information or ideas with those that arouse emotion by expressing feelings, experiences, or values.

Performance Element: Examine content messages in works of visual arts that reflect influences from society, politics, religion, economics, ethnic diversity, and cultural groups.

Measurement Criteria: Describe contemporary and historical social issues that influence content, form, and function in the visual arts.

Measurement Criteria: Describe contemporary and historical arts issues and how they influence content, form, and function of the visual arts.

Measurement Criteria: Identify how works of visual artists reflect their culture and religion in collected samples.

Measurement Criteria: Analyze the use of symbols in the visual arts of diverse cultures.

Performance Element: Analyze the affects of tools and technologies on the evolution of visual arts.
Pathway Topic: Visual Arts Pathway Knowledge and Skills

Measurement Criteria: Compare current visual arts technologies with those of 50 years ago.

Pathway KS Statement: Analyze the elements and principles of visual arts.

Performance Element: Explain the elements of art in relation to visual arts.

Measurement Criteria: Identify art elements, including line, color, shape, and texture in magazines, books, or other media.

Measurement Criteria: Identify the effects of various types of lines, including straight, curved, horizontal, vertical, and diagonal.

Measurement Criteria: Identify primary, secondary, and complementary colors in magazines, books, or other media.

Measurement Criteria: Define tint, shade, hue, and value in relation to color theory.

Measurement Criteria: Identify standard geometric shapes used in construction and design layout.

Measurement Criteria: Describe the difference between actual and implied texture.

Performance Element: Use elements of art in design applications.

Measurement Criteria: Apply elements of art, including line, color, shape, and texture to a project.

Performance Element: Explain design principles in relation to visual arts.

Measurement Criteria: Compare symmetrical and asymmetrical images illustrating balance.

Measurement Criteria: Collect samples of advertising that reflect unusual or exaggerated use of proportion.

Measurement Criteria: Identify repetition, pattern, and various design principles in fabric and other applications.

Measurement Criteria: Compare samples of work that use contrast, unity, and emphasis.

Performance Element: Use design principles and techniques in product applications.

Measurement Criteria: Demonstrate design principles in developing a project such as, a brochure, logo, label, or textile design.

Pathway KS Statement: Analyze various methods of drawing, painting, and printmaking.

Performance Element: Explore painting using various media, including computer software.

Measurement Criteria: Make drawings using various media such as, pencils, charcoal, markers, pastels, and computer software.

Measurement Criteria: Demonstrate types of lines produced by a variety of media.

Measurement Criteria: Demonstrate anatomical figure drawing.

Measurement Criteria: Demonstrate drawing in one-point, two-point, and multi-point perspective.

Performance Element: Explore painting using various media, including computer software.

Measurement Criteria: Create a work of art by applying color using pencils, markers, airbrush, dry media, water-based media, oil-based media, or computer software.
Pathway Topic: Visual Arts Pathway Knowledge and Skills

Measurement Criteria: Apply toning to add volume, depth and dimension, using pencil, ink wash, airbrush, dry media, or computer software.

Measurement Criteria: Demonstrate techniques that create actual and implied texture, using various paint media, textured surfaces, or computer software.

Performance Element: Practice printmaking in various media.

Measurement Criteria: Print designs using various processes, including block print, silk-screen, and photogram.

Measurement Criteria: Prepare print surface and print medium.

Measurement Criteria: Produce prints that meet assigned requirements of clarity and cleanliness.

Pathway KS Statement: Analyze various types of photographic media.

Performance Element: Produce a photograph using a camera with film such as, a 35mm SLR.

Measurement Criteria: Identify parts of the camera.

Measurement Criteria: Meet assigned requirements for various setting combinations involving focus, depth-of-field, light exposure, and time exposure.

Measurement Criteria: Demonstrate understanding of photographic numbers such as, ISO numbers.

Measurement Criteria: Demonstrate use of photographic accessories, including lenses, filters, and tripods.

Measurement Criteria: Demonstrate use of appropriate lighting techniques for specified effects and settings.

Measurement Criteria: Apply composition guidelines, such as Rule of Thirds and Simplicity, to create original images.

Performance Element: Comprehend the processes used to develop photographic film.

Measurement Criteria: Describe the concept of creating an image with light, such as with a pinhole camera.

Measurement Criteria: Demonstrate proper care, handling, and storage of photographic negatives.

Measurement Criteria: Visit a commercial photography lab to observe developing procedures for color film to compare to those for producing black and white film.

Performance Element: Demonstrate the use of darkroom equipment.

Measurement Criteria: Utilize photographic chemistry to make a contact print from negatives.

Measurement Criteria: Demonstrate proper focus and use of an enlarger.

Measurement Criteria: Process photographic prints utilizing proper sequence and procedures.

Measurement Criteria: Demonstrate standard printing techniques, including dodging, burning, cropping framing and use of contrast filters.

Measurement Criteria: Demonstrate non-standard printing techniques, including chemical manipulation, solarizations, and posterizations.

Measurement Criteria: Identify paper characteristics in finished prints, and
Pathway Topic: Visual Arts Pathway Knowledge and Skills

Performance Element: Exhibit knowledge of photo imaging using a digital camera.

Measurement Criteria: Identify parts of the digital camera, including various settings and accessories.

Measurement Criteria: Demonstrate use of digital image manipulation tools, such as Adobe PhotoShop.

Performance Element: Produce a variety of digital images using computer software.

Measurement Criteria: Create and color an original digital image using appropriate painting and editing techniques.

Measurement Criteria: Use a scanner to digitize an image at the appropriate resolution.

Measurement Criteria: Retouch a scanned photo using selection paths, layers, and channels to achieve assigned results.

Measurement Criteria: Use filters to adjust and distort images to achieve a specific result.

Pathway KS Statement: Explore visual communications software for the purposes of digital animation and graphics design.

Performance Element: Examine the use of digital animation.

Measurement Criteria: Identify digital animation tools, capabilities, and interface elements, such as those in Adobe After Effects.

Measurement Criteria: Record observations about animated works on the Internet.

Measurement Criteria: Create and import artwork and place on timeline to produce two-dimensional animations.

Measurement Criteria: Use filters to adjust elements over time and create animations.

Measurement Criteria: Export animations as animated GIF files and include in a web page.

Performance Element: Exhibit knowledge of graphic design and related software.

Measurement Criteria: Define the purpose and use of a grid system.

Measurement Criteria: Identify design elements and principles in graphics samples.

Measurement Criteria: Practice using text, fonts, and typography.

Measurement Criteria: Describe the use of color.

Measurement Criteria: Identify examples of computer graphics in commercial applications.

Pathway KS Statement: Explore three-dimensional art forms.

Performance Element: Construct three-dimensional forms using a variety of materials.

Measurement Criteria: Discuss the use of symmetry or asymmetry, and geometric shape in the construction of sculpture.

Measurement Criteria: Demonstrate techniques that produce various textures in clay, wax, wood, metal, and gesso.

Measurement Criteria: Create a sculpture in any three-dimensional medium.

Pathway KS Statement: Analyze the knowledge and skills required in the textiles industry.
Pathway Topic: Visual Arts Pathway Knowledge and Skills

Performance Element: Assess the characteristics of textiles, including design, construction, use, and maintenance and care of textile products.

Measurement Criteria: Classify the variety of fiber types used to produce textiles.
Measurement Criteria: Describe production processes for creating fibers, yarns, woven and knit fabrics, and non-woven textile products.
Measurement Criteria: Define performance characteristics of various types of fibers and textiles.
Measurement Criteria: Identify procedures for the care of various textiles products.
Measurement Criteria: Design a garment for a specific purpose.

Pathway KS Statement: Recognize the purpose and approaches to art criticism.

Performance Element: Describe various approaches for evaluating visual arts from historical, cultural, and content viewpoints.

Measurement Criteria: Explore a variety of approaches to evaluating visual art.
Measurement Criteria: Examine the evaluative process in terms of ethics, aesthetics, and social context.
Measurement Criteria: Define interpretation and discuss how to develop and support ideas.
Measurement Criteria: Develop analysis of the art works derived from the descriptive elements, including form, medium, style, and subject matter.
Measurement Criteria: Relate the description and analysis to current, historical, and cultural contexts.

Performance Element: Apply a critical method of evaluation to an artwork.

Measurement Criteria: Select the most appropriate approach to judge a specific item.
Measurement Criteria: Construct a model of criticism for a work of art.
Measurement Criteria: Describe and record notes on the work.
Measurement Criteria: Analyze the structural elements, including subject matter and available factual data.
Measurement Criteria: Evaluate the descriptive elements in terms of historical, social, and cultural environs.

Performance Element: Demonstrate the ability to present and defend written and oral evaluations of visual arts.

Measurement Criteria: Construct an outline for an evaluation of an artwork.
Measurement Criteria: Demonstrate oral evaluation of art works in galleries or obtained on-line.
Measurement Criteria: Describe and discuss methodologies used to present criticism, including verbal, written, and performance.

Performance Element: Defend personal evaluations of examples of artwork.

Measurement Criteria: Form interpretations supported by an analysis of context and evaluation.