Options EHS Introduction to Careers in Arts, A/V Technology and Communications	Scope and Sequence
Unit **Lesson**	**Objectives**
AUDIO/VIDEO TECHNOLOGY AND FILM	
A/V Technology – Through the Years	
	Describe the impact of changing technology on the audio/video and film industries.
	Discuss the evolution of audio/video production.
	Identify pioneers in film and sound.
Project: A Moment in Film or Audio History	
A/V Technology at Work	
	Describe the work of A/V technician.
	Discuss A/V technician positions.
	Compare educational programs for A/V technician careers.
	Identify work environments and types of equipment used by A/V technicians.
	Explain research methods that may be beneficial in career and educational pathway selection.
Project: Research Careers in Your Dream Field	
A/V Technology – Careers and Education	
	Define A/V technician.
	Explain the role of equipment and the role of interpersonal teamwork.
	Discuss a range of careers as an A/V tech.
	Identify salary and work environments for careers.
	Compare certification programs, AA and BA degrees.

Unit	Lesson	Objectives
	Careers in Film: Development and Pre-Production	
		Describe the evolution of film and the impact of digital technology on today's films.
		Describe the five phases of film production.
		Describe the responsibilities of directors, including knowledge of story structure, script analysis, the relationship to the production team, and the responsibilities of pre-production crew members.
		Analyze various development and pre-production careers and their job descriptions.
	Project: Screenwriting 101	
	Careers in Film: The Production Phase	
		Describe how digital technology is impacting film production and filmmaking.
		Demonstrate knowledge of the director's role and creative roles in film production.
		Discuss key positions in film production and explain the duties and responsibilities of each position.
		Demonstrate technical skills and the use of various equipment and tools used in film production.
	Careers in Film: Post-Production	
		Describe the significance of digital technology, high-definition production and the required editing equipment.
		Describe skills required for editing.
		Explore film careers in post-production.
		Apply knowledge of post-production on a film project.
	Project: Filmmaking: Then and Now	
	Test	
PERFORMING ARTS		
	Performing Arts in the Past	

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Unit **Lesson**	**Objectives**
	Describe the impact on performing arts of cultural movements from the 14th century to the early part of the 20th century.
	Identify the technological advances that have improved the delivery of the performing arts.
Performing Arts in the Present	
	Provide a historical perspective of technological changes that have occurred within the performing arts over the last century.
	Analyze the impact that funding has had on career opportunities in the performing arts.
	Explore the future of the performing arts in light of technological advances in digital and on-demand entertainment.
Overview of Production Managers in the Performing Arts	
	Compare and contrast the responsibilities and requirements of production managers in dance, music, and theater.
	Identify one or more successful paths to becoming a production manager.
Project: Academic Programs in Production Management	
Playwrights, Screenwriters and Directors	
	Compare and contrast the responsibilities and requirements of playwrights, screenwriters, and directors.
	Outline one or more successful paths to becoming a playwright, screenwriter, or director.
Actors, Dancers and Musicians	
	Contrast the responsibilities and requirements of actors, dancers, or musicians.
	Outline one or more successful paths to acting, dancing, or music careers within the performing arts.
	Describe some of the physical challenges of an extended career in dance within the performing arts.

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Unit **Lesson**	**Objectives**
Project: Actors' Career Pathways	
Designers: Set, Costume, Lighting and Sound	
	Contrast the responsibilities and requirements of set, costume, sound, and lighting designers and other stage crew jobs within the performing arts.
	Outline one or more successful paths to set, costume, sound, and lighting designer careers within the performing arts.
Project: Set and Clothing Design Styles: 1970s and Today	
Test	
VISUAL ARTS	
Principles of Design and Motion in Visual Arts	
	Define principles of design and motion.
	Discuss interaction of design principles.
	Identify examples of painting styles and paintings.
	Explain motion in still and moving pictures and its principles in animation.
	Identify skills and abilities developed in art history courses.
Project: Analyze a Work of Art	
The Art Director	
	Define art director as a job and career.
	Discuss workplace challenges for art directors.
	Examine successful ad campaigns.
	Identify roles of art and commerce for art directors.

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Unit **Lesson**	**Objectives**	
Project: And the Art Direction Award Goes to...		
Being a Fine Artist		
	Explore the idea of fine artist as a professional title.	
	Describe types of fine artists and their work environments.	
	Discuss income generation for fine artists.	
	Give examples of famous fine artists and qualities they have needed to cultivate.	
	Contrast expectations and outcomes in the field.	
Multimedia Artists in the Workplace		
	Identify multimedia artists as visual artists.	
	Describe projects multimedia artists create.	
	Analyze ways technology is used in art projects.	
	Compare work environments for multimedia artists.	
	Summarize types of jobs multimedia artists hold.	
Project: Your Dream Job as a Multimedia Artist		
Keeping Up with Technology		
	Compare digital art technology past and present.	
	Describe multimedia professionals' computer turnover.	
	Identify advancements in technology developed for multimedia art.	
	Use examples from film technique and computer design.	
Project: The Latest Thing in Digital Art Technology		

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Unit **Lesson**	**Objectives**
Working Alone, in Collaboration, and in Teams	
	Identify ways multimedia artists collaborate and give examples.
	Describe solo artists' work and work environments.
	Summarize types of work teams of CG artists.
	Analyze creative control and ownership of artwork.
	Discuss legal and ethical issues of art production.
Test	
PRINTING TECHNOLOGY, JOURNALISM, AND BROADCASTING	
Printing Technology Through the Years	
	Examine the evolution of printing technology.
	Identify inventors and inventions in printing.
	Analyze how availability of printed material affects societies.
	Contrast printing technology with public opinion, styles, and customs.
	Summarize printing technology today.
Project: Printing with an Old Technology	
Digital Technology at Work	
	Identify careers in print publishing.
	Compare digital print work environments.
	Demonstrate familiarity with software used in creating print publishing.
	Summarize training options for hardware and software.

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Unit Lesson	**Objectives**
	Analyze educational and career pathways in print publishing.
Project: Digital Print Project	
Printing Technology: Careers and Education	
	Identify careers in print publishing.
	Describe training and educational degree programs for careers in printing.
	Explore work environments in print publishing.
	Summarize careers in many company departments and freelance work.
Journalism in the 20th Century	
	Identify evolution and trends in journalism and the role of journalists and newspapers through the 20th century.
	Compare the influence of the public on journalism and vice versa.
	Analyze technological advancements and journalism trends.
	Summarize how world events affect editorial style and content.
	Summarize today's journalistic landscape.
Project: A Major Moment in Journalism	
Editing in the Media	
	Define editing as a career pathway.
	Differentiate different types of editing jobs.
	Identify management and scheduling processes in editing.
	Discuss the need for teamwork and attention to detail in editing careers.
	Compare educational and career pathways for editors.

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Unit **Lesson**	**Objectives**
Journalism and Broadcast Careers	
	Identify aspects of broadcast journalism.
	Contrast broadcast journalism stylistically with print journalism.
	Discuss careers and training programs in broadcast media, including on set, in the control room, and in the field.
	Summarize the importance of teamwork and knowledge of terminology.
	Describe work environments, required skills, and education.
Project: Reporter, News Anchor, or Technician?	
Test	
TELECOMMUNICATIONS SYSTEMS	
Regulations in the Telecommunications Industry	
	Describe the basic elements of telecommunications systems.
	Provide a brief overview of telecommunications from telegraph to WiFi.
	Analyze the influence of user demand on technology development and vice versa.
	Compare issues requiring regulation and deregulation.
	Evaluate arguments for Open Internet and Net Neutrality.
Project: Web Security Now and in the Future	
Telecommunications Timeline from Telephone to Videoconference	
	Define telecommunications terminology.
	Differentiate between analog and digital communications.

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Unit Lesson	**Objectives**
	Differentiate between voice and data communications.
	Explain the primary aspects of communication theory and describe concepts relating to this theory.
	Summarize and describe the Open Systems Interconnection model (OSI) and transmission media which relate to communication theory.
Telecommunications Transmission Methods	
	Explain telecommunications terminology.
	Compare transmission media.
	Analyze pros and cons of wiring and wireless technologies.
	Summarize wireless transmission methods and uses.
	Describe trends in telecom services and the impact of cloud technology on the industry.
The Changing Nature of Telecommunications Technology	
	Summarize the changing nature of the telecom industry.
	Analyze specific innovations in telecommunications over time.
	Describe influences on research and development, and on supply and demand.
	Compare methods of transmission and equipment from telegraph to smartphone.
	Discuss how telecom technologies affect global communication.
Telecommunication Careers	
	Examine career opportunities in the field of telecommunications.
	Analyze the responsibilities of the workers in the field.
	Describe the nature and range of the work involved in maintaining a telecommunications network.
	Evaluate hottest telecom tech jobs for the future.

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Unit Lesson	**Objectives**
	Compare educational pathways and training options.
Training and Certification in Telecommunications Careers	
	Analyze educational pathways, degree types, programs, and schools for telecom jobs.
	Compare entry level requirements to advanced certifications.
	Evaluate fastest job growth and certifications required.
	Describe basic job responsibilities and skills for telecom categories.
	Summarize aspects of telecommunications devices including design, functions, and components.
Test	
COURSE PROJECT, REVIEW, AND EXAM	
Review	
Exam	