

# Standards Correlations

## Entertainment Design and Technology (8489)

Task/Competency	SOL	TSA Events
<b>Demonstrating Personal Qualities and Abilities</b>		
Demonstrate creativity and innovation.	<p>English: 6.1, 6.3, 6.4, 6.6, 6.7, 6.9, 7.1, 7.3, 7.4, 7.6, 7.7, 7.9, 8.1, 8.3, 8.4, 8.6, 8.7, 8.9, 9.1, 9.5, 9.6, 9.8, 10.1, 10.5, 10.6, 10.8, 11.1, 11.5, 11.6, 11.8, 12.1, 12.5, 12.6, 12.8</p> <p>History and Social Science: CE.1, CE.4, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WG.4, WHI.1, WHII.1</p> <p>Mathematics: 6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 6.7, 6.10, 6.11, 6.12, 7.2, 7.3, 7.8, 7.9, 8.2, 8.4, 8.6, 8.7, 8.11, 8.12, 8.17, 8.18, A.9, AFDA.3, AFDA.4, AFDA.5, AFDA.6, AFDA.7, AFDA.8, AII.9, COM.1, COM.3, COM.4, COM.5, COM.8, DM.7, DM.1*, DM.10, DM.2*, DM.3*, PS.3*, PS.4*, PS.7*, PS.9*, PS.10*</p> <p>Science: 6.1, BIO.1, CH.1, ES.1, LS.1, PS.1</p>	
Demonstrate critical thinking and problem solving.	<p>English: 6.1, 6.3, 6.4, 6.5, 6.6, 6.7, 6.9, 7.1, 7.3, 7.4, 7.5, 7.6, 7.7, 7.9, 8.1, 8.3, 8.4, 8.5, 8.6, 8.7, 8.9, 9.1, 9.5, 9.6, 9.8, 10.1, 10.5, 10.6, 10.8, 11.1, 11.5, 11.6, 11.8, 12.1, 12.5, 12.6, 12.8</p> <p>History and Social Science: CE.1, CE.4, CE.11, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WG.4, WHI.1, WHII.1</p>	

Task/Competency	SOL	TSA Events
	<p>Mathematics: 6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 6.10, 6.11, 7.2, 7.3, 7.8, 7.12, 7.13, 8.2, 8.4, 8.8, 8.9, 8.10, 8.11, A.8, A.9, G.1, G.13, G.14, AFDA.3, AFDA.5, AFDA.8, AII.9, AII.10, AII.11, COM.1, COM.3, COM.4, COM.5, COM.8, DM.4, DM.7, DM.1*, DM.2*, DM.3*, DM.9*, PS.9*, PS.10*</p> <p>Science: 6.1, BIO.1, CH.1, ES.1, LS.1, PS.1</p>	
Demonstrate initiative and self-direction.	<p>English: 6.1, 6.4, 6.6, 6.7, 6.9, 7.1, 7.4, 7.6, 7.7, 7.9, 8.1, 8.4, 8.6, 8.7, 8.9, 9.1, 9.5, 9.6, 9.8, 10.1, 10.5, 10.6, 10.8, 11.1, 11.5, 11.6, 11.8, 12.1, 12.5, 12.6, 12.8</p> <p>History and Social Science: CE.1, CE.4, CE.11, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1</p>	
Demonstrate integrity.	<p>English: 6.1, 7.1, 8.1, 9.1, 9.5, 10.1, 10.5, 11.1, 11.5, 12.1, 12.5</p> <p>History and Social Science: CE.1, CE.3, CE.4, GOVT.1, GOVT.16, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1</p>	
Demonstrate work ethic.	<p>English: 6.1, 7.1, 8.1, 9.1, 10.1, 11.1, 12.1</p> <p>History and Social Science: CE.1, CE.4, CE.14, GOVT.1, GOVT.16, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1</p> <p>Science: CH.1</p>	

<b>Task/Competency</b>	<b>SOL</b>	<b>TSA Events</b>
<b>Demonstrating Interpersonal Skills</b>		
Demonstrate conflict-resolution skills.	English: 6.1, 6.2, 6.4, 6.6, 6.7, 6.9, 7.1, 7.2, 7.4, 7.6, 7.7, 7.9, 8.1, 8.2, 8.4, 8.6, 8.7, 8.9, 9.1, 10.1, 11.1, 12.1  History and Social Science: CE.1, CE.4, GOVT.1, USI.1, VUS.1	
Demonstrate listening and speaking skills.	English: 6.1, 6.2, 6.4, 6.6, 7.1, 7.2, 7.4, 7.6, 8.1, 8.2, 8.4, 8.6, 9.1, 10.1, 11.1, 12.1  History and Social Science: CE.1, CE.4, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1	
Demonstrate respect for diversity.	English: 6.1, 7.1, 8.1, 9.1, 10.1, 11.1, 12.1  History and Social Science: CE.1, CE.3, CE.4, GOVT.1, GOVT.16, USI.1, USII.1, USII.9, VUS.1, VUS.13, WG.1, WHI.1, WHII.1	
Demonstrate customer service skills.	English: 6.1, 6.4, 6.7, 7.1, 7.4, 7.7, 8.1, 8.4, 8.7, 9.1, 9.5, 9.6, 10.1, 10.5, 10.6, 11.1, 11.5, 11.6, 12.1, 12.5, 12.6  History and Social Science: CE.1, CE.4, GOVT.1, GOVT.16, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1	
Collaborate with team members.	English: 6.1, 7.1, 8.1, 9.1, 10.1, 11.1, 12.1  History and Social Science: CE.1, CE.3, CE.4, GOVT.1, GOVT.16, USI.1, USII.1,	

<b>Task/Competency</b>	<b>SOL</b>	<b>TSA Events</b>
	VUS.1, WG.1, WHI.1, WHII.1	
<b>Demonstrating Professional Competencies</b>		
Demonstrate big-picture thinking.	English: 6.1, 6.4, 7.1, 7.4, 8.1, 8.4, 9.1, 9.5, 10.1, 10.5, 11.1, 11.5, 12.1, 12.5  History and Social Science: CE.1, CE.4, CE.12, GOVT.1, GOVT.15, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1	
Demonstrate career- and life-management skills.	English: 6.1, 6.7, 7.1, 7.7, 8.1, 8.7, 9.1, 9.6, 10.1, 10.6, 11.1, 11.6, 12.1, 12.6 History and Social Science: CE.1, CE.4, CE.12, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1  Mathematics: 8.4	
Demonstrate continuous learning and adaptability.	English: 6.1, 6.4, 6.7, 6.9, 7.1, 7.4, 7.7, 7.9, 8.1, 8.4, 8.7, 8.9, 9.1, 9.5, 9.6, 9.8, 10.1, 10.5, 10.6, 10.8, 11.1, 11.5, 11.6, 11.8, 12.1, 12.5, 12.6, 12.8 History and Social Science: CE.1, CE.3, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1  Science: BIO.1, CH.1, LS.1, PH.1, PH.4, PS.1	
Manage time and resources.	English: 6.1, 6.2, 6.4, 6.7, 6.9, 7.1, 7.2, 7.4, 7.7, 7.9, 8.1, 8.2, 8.4, 8.7, 8.9, 9.1, 9.5, 9.6, 9.8, 10.1, 10.5, 10.6, 10.8, 11.2, 11.5, 11.6, 11.8, 12.2, 12.5, 12.6, 12.8	

Task/Competency	SOL	TSA Events
	<p>History and Social Science: CE.1, CE.4, CE.11, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1</p> <p>Mathematics: 6.10, 6.11, 6.12, 7.2, 7.3, 7.8, 7.9, 7.10, 7.11, 7.12, 7.13, 8.4, 8.11, 8.12, 8.13, 8.14, 8.17, 8.18, A.4, A.5, A.8, A.9, AFDA.3, AFDA.4, AFDA.5, AFDA.6, AFDA.7, AFDA.8, COM.1, COM.3, COM.5, COM.8</p>	
Demonstrate information-literacy skills.	<p>English: 6.1, 6.2, 6.4, 6.6, 6.7, 6.9, 7.1, 7.2, 7.3, 7.4, 7.6, 7.7, 7.9, 8.1, 8.2, 8.3, 8.4, 8.6, 8.7, 8.9, 9.2, 9.5, 9.6, 9.8, 10.2, 10.5, 10.6, 10.8, 11.2, 11.5, 11.6, 11.8, 12.2, 12.5, 12.6, 12.8</p> <p>History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1</p> <p>Mathematics: 6.10, 6.11, 7.8, 7.9, 8.11, 8.12, A.8, A.9, AFDA.3, AFDA.4, AFDA.6, AFDA.7, AFDA.8, DM.8, PS.1*, PS.2*, PS.3*, PS.4*, PS.7*, PS.8*, PS.9*, PS.10*</p> <p>Science: 6.1, BIO.1, CH.1, ES.1, LS.1, PH.1, PS.1</p>	
Demonstrate an understanding of information security.	<p>English: 6.1, 6.2, 6.3, 6.4, 6.6, 6.7, 6.8, 6.9, 7.1, 7.2, 7.3, 7.4, 7.6, 7.7, 7.8, 7.9, 8.1, 8.2, 8.3, 8.4, 8.6, 8.7, 8.8, 8.9, 9.1, 9.2, 9.5, 9.6, 9.8, 10.1, 10.2, 10.5, 10.6, 10.8, 11.1, 11.2, 11.5, 11.6, 11.8, 12.1, 12.2, 12.5, 12.6, 12.8</p> <p>History and Social Science: CE.1, CE.4, CE.14, GOVT.1,</p>	

Task/Competency	SOL	TSA Events
	USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1  Mathematics: COM.10	
Maintain working knowledge of current information-technology (IT) systems.	English: 6.1, 6.3, 6.4, 6.6, 6.9, 7.1, 7.3, 7.4, 7.6, 7.9, 8.1, 8.3, 8.4, 8.6, 8.9 History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Mathematics: 7.8, COM.1, COM.2, COM.7, COM.9, COM.10, COM.11, COM.16, COM.18, PS.17  Science: BIO.1, CH.1, ES.1, PH.1	
Demonstrate proficiency with technologies, tools, and machines common to a specific occupation.	History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Mathematics: 6.10, 6.11, 7.9, 8.4, A.7, A.8, A.9, AFDA.1, AFDA.3, AFDA.5, AII.4, AII.7, AII.9, COM.1, COM.7, COM.10, COM.11, COM.12, COM.16  Science: CH.1, ES.1, LS.1, PH.1, PS.1	
Apply mathematical skills to job-specific tasks.	English: 6.4, 6.6, 6.7, 7.4, 7.6, 7.7, 8.4, 8.6, 8.7, 9.5, 9.6, 10.5, 10.6, 11.5, 11.6, 12.5, 12.6 History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1 Mathematics: 6.1, 6.2, 6.5, 6.6, 6.12, 6.13, 6.14, 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.8, 7.9, 7.11, 7.12, 7.13, 8.4, 8.5, 8.6, 8.8, 8.9, 8.10, 8.11, 8.12,	

Task/Competency	SOL	TSA Events
	8.13, 8.14, 8.15, 8.16, 8.17, 8.18, A.1, A.3, A.4, A.5, A.7, A.8, A.9, AFDA.1, AFDA.3, AFDA.5, AFDA.8, AII.3, AII.7, AII.9, AII.10, COM.1, COM.7  Science: 6.1, BIO.1, CH.1, ES.1, LS.1, PH.1, PS.1	
Demonstrate professionalism.	English: 6.1, 7.1, 8.1, 9.1, 10.1, 11.1, 12.1  History and Social Science: CE.1, CE.4, CE.14, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1	
Demonstrate reading and writing skills.	English: 6.1, 6.6, 6.7, 7.1, 7.6, 7.7, 8.1, 8.6, 8.7, 9.1, 9.5, 9.6, 9.7, 10.1, 10.5, 10.6, 10.7, 11.1, 11.5, 11.6, 11.7, 12.1, 12.5, 12.6, 12.7 History and Social Science: CE.1, CE.4, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1  Science: 6.1, PH.1, PS.1	
Demonstrate workplace safety.	English: 6.4, 7.4, 8.4, 9.5, 10.5, 11.5, 12.5 History and Social Science: CE.1, CE.4, GOVT.1, USI.1, USII.1, VUS.1, WG.1, WHI.1, WHII.1  Science: CH.1	
<b>Examining All Aspects of an Industry</b>		
Examine aspects of planning within an industry/organization.	History and Social Science: GOVT.16	
Examine aspects of management within an industry/organization.		

<b>Task/Competency</b>	<b>SOL</b>	<b>TSA Events</b>
Examine aspects of financial responsibility within an industry/organization.		
Examine technical and production skills required of workers within an industry/organization.		
Examine principles of technology that underlie an industry/organization.		
Examine labor issues related to an industry/organization.	History and Social Science: GOVT.16	
Examine community issues related to an industry/organization.	History and Social Science: GOVT.16	
Examine health, safety, and environmental issues related to an industry/organization.	History and Social Science: GOVT.16	
<b>Addressing Elements of Student Life</b>		
Identify the purposes and goals of the student organization.		
Explain the benefits and responsibilities of membership in the student organization as a student and in professional/civic organizations as an adult.		
Demonstrate leadership skills through participation in student organization activities, such as meetings, programs, and projects.		
Identify Internet safety issues and procedures for complying with acceptable use standards.		
<b>Exploring Work-Based Learning</b>		

<b>Task/Competency</b>	<b>SOL</b>	<b>TSA Events</b>
Identify the types of work-based learning (WBL) opportunities.		
Reflect on lessons learned during the WBL experience.		
Explore career opportunities related to the WBL experience.		
Participate in a WBL experience, when appropriate.		
<b>Exploring Production Management</b>		
Identify production roles.	English: 10.5, 11.5, 12.5	Digital Video Production On Demand Video Technology Bowl
Describe roles and responsibilities of the stage manager.	English: 10.5, 11.5, 12.5	Digital Video Production On Demand Video
Describe roles and responsibilities of the technical director.	English: 10.5, 11.5, 12.5	Digital Video Production On Demand Video
Identify the components of production management.	English: 10.5, 11.5, 12.5	Digital Video Production On Demand Video
Apply an understanding of copyright and intellectual property laws.	English: 10.5, 11.5, 12.5 History and Social Science: WG.1; WHI.1; WHII.1; VUS.1; GOVT.1	Digital Video Production On Demand Video Music Production Photographic Technology
Research careers in entertainment design and technology.	English: 10.5,10.8, 11.5, 11.8, 12.5, 12.8 History and Social Science: WG.1; WHI.1; WHII.1; VUS.1; GOVT.1	STEM Careers (Virginia TSA only)
<b>Understanding Design Elements</b>		

<b>Task/Competency</b>	<b>SOL</b>	<b>TSA Events</b>
Identify the elements of design.	English: 10.5, 11.5, 12.5	Digital Video Production On Demand Video Photographic Technology
Describe the principles of color theory.	English: 10.5, 11.5, 12.5	Digital Video Production On Demand Video Photographic Technology
<b>Applying Basic Theatre Terminology</b>		
Identify types of stages.	English: 10.5, 11.5, 12.5	Digital Video Production On Demand Video
Identify the components of the theatre facility and their uses.	English: 10.5, 11.5, 12.5	Digital Video Production On Demand Video
<b>Understanding Varieties of Drafting Techniques</b>		
Read scale drawings.	English: 10.5, 11.5, 12.5  History and Social Science: WG.1; WHI.1; WHII.1; VUS.1; GOVT.1  Mathematics: A.1, 4	CAD Architecture
Compare manual drawing to computer drafting.	English: 10.5, 11.5, 12.5  History and Social Science: WG.1; WHI.1; WHII.1; VUS.1; GOVT.1	CAD Architecture CAD Engineering
Identify different drawing types.	English: 10.5, 11.5, 12.5	CAD Architecture CAD Engineering
Apply basic drafting standards to support a scenic design.		CAD Architecture CAD Engineering

<b>Task/Competency</b>	<b>SOL</b>	<b>TSA Events</b>
		Digital Video Production On Demand Video
<b>Creating Scenic Design</b>		
Collaborate with an artistic team to reinforce production concept.	English: 10.1, 11.1, 12.1	
Interpret scenic needs and constraints of a given production.	English: 10.5, 11.5, 12.5	Digital Video Production On Demand Video
Generate scenic design.	English: 10.1, 11.1, 12.1  History and Social Science: WG.1; WHI.1; WHII.1; VUS.1; GOVT.1	CAD Architecture  CAD Engineering  Digital Video Production  On Demand Video
<b>Applying Safety Principles to Scenic Designs</b>		
Select building materials, hardware, and method of assembly.	English: 10.5, 11.5, 12.5	
Identify components of safe entrances and exits for performers, crew, and audience members.	English: 10.5, 11.5, 12.5  History and Social Science: GOVT.16	Technology Bowl
<b>Applying Basic Safety Standards (Core Safety)</b>		
Comply with federal, state, and local safety legal requirements, including Occupational Safety and Health Administration (OSHA), Virginia Occupational Safety and Health (VOSH), and the Environmental Protection Agency (EPA).	English: 10.5, 10.8, 11.5, 11.8, 12.5, 12.8  History and Social Science: VUS.13; GOVT.7, 8, 9, 16  Science: CH.1	
Identify personal protective equipment (PPE) requirements.	English: 10.5, 11.5, 12.5	Technology Bowl

<b>Task/Competency</b>	<b>SOL</b>	<b>TSA Events</b>
	History and Social Science: GOVT.16  Science: CH.1	
Maintain a safe working environment.	English: 10.5, 11.5, 12.5  History and Social Science: GOVT.16	
Explain safe working practices around electrical hazards.	English: 10.5, 11.5, 12.5  History and Social Science: GOVT.16	
Identify emergency first-aid procedures.	English: 10.5, 11.5, 12.5  History and Social Science: GOVT.16	Technology Bowl
Demonstrate lifting and carrying techniques.	English: 10.1, 11.1, 12.1	
Demonstrate safe laddering techniques.	English: 10.1, 11.1, 12.1  History and Social Science: GOVT.16	
<b>Applying Hand and Power Tool Safety</b>		
Identify the basic hand tools and power tools commonly used in scenic construction.	English: 10.5, 11.5, 12.5	
Inspect course-specific hand and power tools.	English: 10.5, 11.5, 12.5	
Pass a safety exam for shop/site safety and specific tool use.	English: 10.5, 11.5, 12.5  History and Social Science: GOVT.16	
<b>Reading Blueprints</b>		
Identify basic blueprint terms, components, and symbols.	English: 10.5, 11.5, 12.5  History and Social Science: WG.1; WHI.1; WHII.1; VUS.1; GOVT.1	CAD Architecture
Interpret line weights.	English: 10.5, 11.5, 12.5	CAD Architecture

<b>Task/Competency</b>	<b>SOL</b>	<b>TSA Events</b>
Interpret scale.	English: 10.5, 11.5, 12.5  History and Social Science: WG.1; WHI.1; WHII.1; VUS.1; GOVT.1	CAD Architecture
Identify the different views of drawings from blueprints.	English: 10.5, 11.5, 12.5  History and Social Science: WG.1; WHI.1; WHII.1; VUS.1; GOVT.1	CAD Architecture
<b>Performing Basic Carpentry Skills</b>		
Check stock and assemblies for squareness.		
Measure materials, using a standard measuring device.	History and Social Science: WG.1; WHI.1; WHII.1; VUS.1; GOVT.1	CAD Architecture
Determine the levelness and plumbness of surfaces.	English: 10.5, 11.5, 12.5	
Handle materials.		
Identify carpentry materials.	English: 10.5, 11.5, 12.5	
<b>Cutting and Shaping Stock</b>		
Cut stock to size, using hand and power tools.		Dragster Design
Bore holes, using power tools.		Dragster Design
Square stock to 90 degrees.		
Cut a joint, using hand and/or power tools.		
<b>Working with Fasteners</b>		
Apply clamping devices.		
Fasten stock with metal fasteners (e.g., bolts, nails, screws, staples).		Dragster Design
Identify the different types of adhesives used in scenic construction.	English: 10.5, 11.5, 12.5	Dragster Design
<b>Constructing Scenic Elements</b>		

<b>Task/Competency</b>	<b>SOL</b>	<b>TSA Events</b>
Identify materials used for scenic construction.	English: 10.5, 11.5, 12.5	
Identify scenic components.	English: 10.5, 11.5, 12.5	
Demonstrate knowledge of basic scenic painting.	English: 10.1, 11.1, 12.1	Digital Video Production On Demand Video
<b>Applying Basic Rigging Techniques</b>		
Compare types of rigging systems.	English: 10.5, 11.5, 12.5 History and Social Science: WG.1; WHI.1; WHII.1; VUS.1; GOVT.1	Digital Video Production On Demand Video
Identify components of various rigging systems.	English: 10.5, 11.5, 12.5	Digital Video Production On Demand Video
Maintain rigging systems.		
Demonstrate the safe use of a rigging system.	English: 10.1, 11.1, 12.1 History and Social Science: GOVT.16	
<b>Designing and Constructing Costumes, including Hair and Makeup</b>		
Interpret costume needs and constraints of a given production.	English: 10.5, 11.5, 12.5 History and Social Science: WG.1; WHI.1; WHII.1; VUS.1; GOVT.1	Fashion Design Technology Digital Video Production On Demand Video Photographic Technology
Generate a costume design.	History and Social Science: WG.1; WHI.1; WHII.1; VUS.1; GOVT.1	Fashion Design Technology Digital Video Production

<b>Task/Competency</b>	<b>SOL</b>	<b>TSA Events</b>
		On Demand Video
Identify materials and equipment used in costume construction.	English: 10.5, 11.5, 12.5	Fashion Design Technology Digital Video Production On Demand Video
Demonstrate basic costume construction techniques.	English: 10.1, 11.1, 12.1	Fashion Design Technology
Describe hair and makeup techniques.	English: 10.5, 11.5, 12.5	Fashion Design Technology
Demonstrate hair and makeup techniques.	English: 10.1, 11.1, 12.1	Fashion Design Technology
<b>Understanding Basic Electricity</b>		
Identify basic electrical concepts.	English: 10.5, 11.5, 12.5 Science: PH.8	Animatronics
Demonstrate proper use of electrical equipment and practices.	English: 10.1, 11.1, 12.1 Science: PH.8	Animatronics
<b>Understanding Lighting Technology</b>		
Identify lighting equipment.	English: 10.5, 11.5, 12.5	Digital Video Production On Demand Video Photographic Technology
Demonstrate safe use of lighting equipment.	English: 10.1, 11.1, 12.1 History and Social Science: GOVT.16	Digital Video Production On Demand Video Photographic Technology
Explain the properties of light.	English: 10.5, 11.5, 12.5	Digital Video Production On Demand Video Photographic Technology
Explain the functions of production lighting.	English: 10.5, 11.5, 12.5	Digital Video Production

<b>Task/Competency</b>	<b>SOL</b>	<b>TSA Events</b>
		On Demand Video Photographic Technology
<b>Creating Lighting Design</b>		
Interpret lighting needs and constraints of a given production.	English: 10.5, 11.5, 12.5 History and Social Science: WG.1; WHI.1; WHII.1; VUS.1; GOVT.1	Digital Video Production On Demand Video Photographic Technology
Generate lighting design.	History and Social Science: WG.1; WHI.1; WHII.1; VUS.1; GOVT.1	Digital Video Production On Demand Video Photographic Technology CAD Architecture CAD Engineering
<b>Understanding Principles of Sound and Acoustics</b>		
Identify the basic physics of sound.	English: 10.5, 11.5, 12.5 Mathematics: T.3 Science: PH.5	Digital Video Production On Demand Video Music Production
Identify the components of acoustics within sound.	English: 10.5, 11.5, 12.5 Science: PH.5	Digital Video Production On Demand Video Music Production
<b>Understanding Audio Equipment</b>		
Identify types of microphones and hardware.	English: 10.5, 11.5, 12.5	Digital Video Production On Demand Video Music Production

<b>Task/Competency</b>	<b>SOL</b>	<b>TSA Events</b>
Describe the use of microphones in sound reinforcement.	English: 10.5, 11.5, 12.5	Digital Video Production On Demand Video Music Production
Identify types of audio signals, cables, and connectors.	English: 10.5, 11.5, 12.5	Digital Video Production On Demand Video Photographic Technology Music Production
Demonstrate the use of audio cables and connectors for standard connection audio equipment.	English: 10.1, 11.1, 12.1	Digital Video Production On Demand Video Music Production
Identify the components and functions of an audio mixer.	English: 10.5, 11.5, 12.5	Digital Video Production On Demand Video Music Production
Demonstrate the functions of an audio mixer.	English: 10.1, 11.1, 12.1	Music Production
Identify common accessories of audio systems.	English: 10.5, 11.5, 12.5	Digital Video Production On Demand Video Music Production
Identify audio processing equipment.	English: 10.5, 11.5, 12.5	Digital Video Production On Demand Video Music Production
Identify power amplifiers and speaker systems.	English: 10.5, 11.5, 12.5	Digital Video Production On Demand Video Music Production
Demonstrate the use of power amplifiers and speaker systems.	English: 10.1, 11.1, 12.1	Music Production

Task/Competency	SOL	TSA Events
Use sound reinforcement systems.		Digital Video Production On Demand Video Music Production