# Fashion, Textiles, and Design Standards



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#### Vision

All Nevada students are equipped and feel empowered to attain their vision of success

#### Mission

To improve student achievement and educator effectiveness by ensuring opportunities, facilitating learning, and promoting excellence



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#### **Acknowledgements**

The development of Nevada career and technical education (CTE) standards and assessments is a collaborative effort sponsored by the Nevada Department of Education (NDE) Office of Career Readiness, Adult Learning, and Education Options. The Nevada Department of Education relies on educators and industry representatives who have the technical expertise and teaching experience to develop standards and performance indicators that truly measure student skill attainment. More importantly, the NDE would like to recognize the time and commitment by the writing team members in developing the career and technical standards for Fashion, Textiles, and Design.

#### **Standards Development Members**

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### **Business and Industry Validation**

All CTE standards developed through the Nevada Department of Education are validated by business and industry through one or more of the following processes: (1) the standards are developed by a team consisting of business and industry representatives; or (2) a separate review panel is coordinated with industry experts to ensure the standards include the proper content; or (3) nationally recognized standards currently endorsed by business and industry.

The Fashion, Textiles, and Design standards were validated through active participation of business and industry representatives on the development team.

#### Introduction

The standards in this document are designed to clearly state what the student should know and be able to do upon completion of an advanced high school Fashion, Textiles, and Design program. These standards are designed for a two-credit course sequence that prepares the student for a technical assessment directly aligned to the standards.

These exit-level standards are designed for the student to complete all standards through their completion of a program of study. These standards are intended to guide curriculum objectives for a program of study.

The standards are organized as follows:

- Content Standards are general statements that identify major areas of knowledge, understanding, and the skills students are expected to learn in key subject and career areas by the end of the program.
- Performance Standards follow each content standard. Performance standards identify
  the more specific components of each content standard and define the expected abilities
  of students within each content standard.
- Performance Indicators are very specific criteria statements for determining whether a student meets the performance standard. Performance indicators may also be used as learning outcomes, which teachers can identify as they plan their program learning objectives.

The crosswalks and alignment sections of the document show where the performance indicators support the Nevada Academic Content Standards. Where correlation with an academic content standard exists, students in the Fashion, Textiles, and Design program perform learning activities that connect with and support the academic content standards that are listed. The crosswalks and alignments are not intended to teach academic standards.

All students are encouraged to participate in the career and technical student organization (CTSO) that relates to the Fashion, Textiles, and Design program. CTSOs are co-curricular national organizations that directly reinforce learning in the CTE classroom through curriculum resources, competitive events, and leadership development. CTSOs provide students the ability to apply academic and technical knowledge, develop communication and teamwork skills, and cultivate leadership skills to ensure college and career readiness.

The Employability Skills for Career Readiness identify the "soft skills" needed to be successful in all careers and must be taught as an integrated component of all CTE course sequences. These standards are available in a separate document.

The **Standards Reference Code** is only used to identify or align performance indicators listed in the standards to daily lesson plans, curriculum documents, or national standards. The Standards Reference Code is an abbreviated name for the program, and the content standard, performance standard, and performance indicator are referenced in the program standards. This abbreviated code for identifying standards uses each of these items. For example, FTD is the Standards Reference Code for Fashion, Textiles, and Design. For Content Standard 2, Performance Standard 3, and Performance Indicator 4, the Standards Reference Code would be FTD.2.3.4.

#### CONTENT STANDARD 1.0: INTEGRATE CAREER AND TECHNICAL STUDENT ORGANIZATIONS (CTSOs)\*

#### Performance Standard 1.1: Explore the History and Organization of CTSOs

- 1.1.1 Discuss the requirements of CTSO participation/involvement as described in Carl D. Perkins Law
- 1.1.2 Research nationally recognized CTSOs
- 1.1.3 Investigate the impact of federal and state government regarding the progression and operation of CTSOs (e.g., Federal Statutes and Regulations, Nevada Administrative Code [NAC], Nevada Revised Statutes [NRS])

#### Performance Standard 1.2: Develop Leadership Skills

- 1.2.1 Discuss the purpose of parliamentary procedure
- 1.2.2 Demonstrate the proper use of parliamentary procedure
- 1.2.3 Differentiate between an office and a committee
- 1.2.4 Discuss the importance of participation in local, regional, state, and national conferences, events, and competitions
- 1.2.5 Participate in local, regional, state, or national conferences, events, or competitions
- 1.2.6 Describe the importance of a constitution and bylaws to the operation of a CTSO chapter

#### Performance Standard 1.3: Participate in Community Service

- 1.3.1 Explore opportunities in community service-related work-based learning (WBL)
- 1.3.2 Participate in a service learning (program related) and/or community service project or activity
- 1.3.3 Engage with business and industry partners for community service

#### Performance Standard 1.4: Develop Professional and Career Skills

- 1.4.1 Demonstrate college and career readiness (e.g., applications, resumes, interview skills, presentation skills)
- 1.4.2 Describe the appropriate professional/workplace attire and its importance
- 1.4.3 Investigate industry-standard credentials/certifications available within this Career Cluster™
- 1.4.4 Participate in authentic contextualized instructional activities
- 1.4.5 Demonstrate technical skills in various student organization activities/events

#### Performance Standard 1.5: Understand the Relevance of Career and Technical Education (CTE)

- 1.5.1 Make a connection between program standards to career pathway(s)
- 1.5.2 Explain the importance of participation and completion of a program of study
- 1.5.3 Promote community awareness of local student organizations associated with CTE programs

<sup>\*</sup>Refer to the program of study Curriculum Framework for appropriate CTSO(s).

#### **CONTENT STANDARD 2.0: CAREER EXPLORATION**

#### Performance Standard 2.1: Analyze Opportunities For Education and Employment

- 2.1.1 Research career and entrepreneurship opportunities in fashion, textile, and/or design industries
- 2.1.2 Investigate preparation requirements for various levels of employment in a variety of fashion, textile, and/or design industries
- 2.1.3 Evaluate post-secondary educational opportunities (e.g., college fairs, campus visits, consult with college recruiters)
- 2.1.4 Explain the roles and functions of individuals engaged in textile and apparel careers

#### Performance Standard 2.2: Create a Professional Portfolio

- 2.2.1 Develop personal professional goals
- 2.2.2 Organize evidence of skills and professionalism for portfolio development
- 2.2.3 Develop a progressive portfolio for the purpose of obtaining internships, work-based learning opportunities, postsecondary education, and employment to include a letter of intent, a cover letter, a letter of references, and a resume

#### CONTENT STANDARD 3.0: DEMONSTRATE FASHION DESIGN SKILLS

#### Performance Standard 3.1: Utilize Elements and Principles of Design

- 3.1.1 Identify the elements and principles of design
- 3.1.2 Implement complex color schemes and color theory to develop and enhance visual effects
- 3.1.3 Examine ways in which elements and principles of design can affect appearance, theme, and mood
- 3.1.4 Apply the elements and principles of design

#### **Performance Standard 3.2: Use Proper Illustration Techniques**

- 3.2.1 Demonstrate the use of a croquis to communicate ideas
- 3.2.2 Demonstrate illustration techniques using a variety of mediums
- 3.2.3 Use sketches and illustrations to communicate ideas
- 3.2.4 Translate ideas into fashion technical flats (i.e., digital or hand drawn)
- 3.2.5 Demonstrate the ability to modify an initial design (i.e., using graphic design or hand drawing techniques)
- 3.2.6 Describe sources of design and inspiration
- 3.2.7 Produce an original illustrated design

#### Performance Standard 3.3: Analyze the Evolution of Fashion

- 3.3.1 Interpret trends in clothing and fashion
- 3.3.2 Research fashion, apparel, and influential designers throughout history
- 3.3.3 Differentiate between design details in apparel products (e.g., sleeves, collars, skirt lengths)
- 3.3.4 Differentiate between physical, social, cultural, and psychological needs
- 3.3.5 Describe the stages in the fashion cycle (e.g., classic vs. fad)

#### Performance Standard 3.4: Demonstrate Knowledge of Design Skills

- 3.4.1 Evaluate a variety of aesthetics and points of view
- 3.4.2 Explain the ways in which fabric characteristics affect design
- 3.4.3 Create multiple looks with a cohesive vision
- 3.4.4 Demonstrate the ability to style a look using hair, makeup, accessories, and props

#### Performance Standard 3.5: Demonstrate Design Presentation Skills

- 3.5.1 Apply composition skills to a design presentation
- 3.5.2 Create samples to communicate the design vision
- 3.5.3 Incorporate media in the design presentation

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#### **CONTENT STANDARD 4.0: ANALYZE TEXTILE PRODUCTS**

#### Performance Standard 4.1: Evaluate Fibers, Fabrics, and Finishes

- 4.1.1 Classify fibers, yarns, fabrics, and finishes
- 4.1.2 Examine the physical properties of fibers, yarns, and fabrics
- 4.1.3 Compare and contrast performance characteristics of fibers, yarns, and fabrics
- 4.1.4 Explain the production processes for creating fibers, yarns, and fabrics

#### Performance Standard 4.2: Summarize Textile Legislation, Standards, and Labeling

- 4.2.1 Interpret product care labels
- 4.2.2 Describe legislation affecting the textile industry and consumer protection

#### CONTENT STANDARD 5.0: DEMONSTRATE THE CONSTRUCTION OF APPAREL PRODUCTS

## Performance Standard 5.1: Demonstrate Skills Using Industry-Standard Equipment, Tools, Notions, and Supplies

- 5.1.1 Demonstrate the safe use, care, and maintenance of a sewing machine and serger
- 5.1.2 Demonstrate the safe use, care, and maintenance of cutting, marking, pattern-making, and measuring tools
- 5.1.3 Demonstrate the safe use, care, and maintenance of pressing, cleaning, and steaming equipment
- 5.1.4 Apply notions using appropriate tools and equipment

## Performance Standard 5.2: Demonstrate the Skills Required for Pattern and Fabric Selection and Preparation

- 5.2.1 Demonstrate the ability to take body measurements
- 5.2.2 Interpret information on commercial patterns
- 5.2.3 Determine appropriate yardage, fabrics, and notions for a variety of projects
- 5.2.4 Demonstrate fabric preparation (i.e., prewash, press, layout, pin, and cut a pattern) based on fabric characteristics
- 5.2.5 Demonstrate the ability to interpret and transfer pattern markings
- 5.2.6 Demonstrate the ability to alter a pattern for fit

#### Performance Standard 5.3: Demonstrate Skills For Constructing, Altering, and Repairing

- 5.3.1 Demonstrate hand-stitching and various machine techniques
- 5.3.2 Demonstrate a variety of seams, seam finishes, and hems
- 5.3.3 Demonstrate appropriate pressing techniques
- 5.3.4 Demonstrate the application of various closures
- 5.3.5 Demonstrate the ability to construct a variety of garment features (e.g., collars, cuffs, pockets)
- 5.3.6 Demonstrate mending and repairing techniques
- 5.3.7 Utilize a variety of embellishment techniques
- 5.3.8 Demonstrate the conservation and recycling of resources
- 5.3.9 Construct garments and products for a variety of end uses

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#### **Crosswalks and Alignments**

Crosswalks and alignments are intended to assist the teacher make connections for students between the technical skills within the program and academic standards. The crosswalks and alignments are not intended to teach the academic standards but to assist students in making meaningful connections between their CTE program of study and academic courses.

#### **Crosswalks** (Academic Standards)

The crosswalks of the Fashion, Textiles, and Design Standards show connections with the Nevada Academic Content Standards. The crosswalk identifies the performance indicators in which the learning objectives in the Fashion, Textiles, and Design program connect with and support academic learning. The performance indicators are grouped according to their content standard and are crosswalked to the Nevada Academic Content Standards in English Language Arts, Mathematics, and Science.

#### **Alignments** (Mathematical Practices)

In addition to connections with the Nevada Academic Content Standards for Mathematics, many performance indicators support the Mathematical Practices. The following table illustrates the alignment of the Fashion, Textiles, and Design Standards Performance Indicators and the Mathematical Practices. This alignment identifies the performance indicators in which the learning objectives in the Fashion, Textiles, and Design program connect with and support academic learning.

#### **Alignments** (Science and Engineering Practices)

In addition to connections with the Nevada Academic Content Standards for Science, many performance indicators support the Science and Engineering Practices. The following table illustrates the alignment of the Fashion, Textiles, and Design Standards Performance Indicators and the Science and Engineering Practices. This alignment identifies the performance indicators in which the learning objectives in the Fashion, Textiles, and Design program connect with and support academic learning.

#### **Crosswalks** (Common Career Technical Core)

The crosswalks of the Fashion, Textiles, and Design Standards show connections with the Common Career Technical Core. The crosswalk identifies the performance indicators in which the learning objectives in the Fashion, Textiles, and Design program connect with and support the Common Career Technical Core. The Common Career Technical Core defines what students should know and be able to do after completing instruction in a program of study. The Fashion, Textiles, and Design Standards are crosswalked to the Arts, A/V Technology, and Communications Career Cluster™ and the Visual Arts Career Pathway.

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## Crosswalk of Fashion, Textiles, and Design Standards and the Nevada Academic Content Standards

### **Content Standard 1.0: Integrate Career and Technical Student Organizations (CTSOs)**

Performance			
Indicators	Nevada Academic Content Standards		
1.1.1	English Language	e Arts: Speaking and Listening Standards	
	SL.11-12.1a	Come to discussions prepared, having read and researched material under study; explicitly draw on that preparation by referring to evidence from texts and other research on the topic or issue to stimulate a thoughtful, well-reasoned exchange of ideas.	
	SL.11-12.2	Integrate multiple sources of information presented in diverse formats and media (e.g., visually, quantitatively, orally) in order to make informed decisions and solve problems, evaluating the credibility and accuracy of each source and noting any discrepancies among the data.	
	SL.11-12.4	Present information, findings, and supporting evidence, conveying a clear and distinct perspective, such that listeners can follow the line of reasoning, alternative or opposing perspectives are addressed, and the organization, development, substance, and style are appropriate to purpose, audience, and a range of formal and informal tasks.	
1.1.2	English Language	e Arts: Speaking and Listening Standards	
	SL.11-12.1a	Come to discussions prepared, having read and researched material under study; explicitly draw on that preparation by referring to evidence from texts and other research on the topic or issue to stimulate a thoughtful, well-reasoned exchange of ideas.	
	SL.11-12.2	Integrate multiple sources of information presented in diverse formats and media (e.g., visually, quantitatively, orally) in order to make informed decisions and solve problems, evaluating the credibility and accuracy of each source and noting any discrepancies among the data.	
	SL.11-12.4	Present information, findings, and supporting evidence, conveying a clear and distinct perspective, such that listeners can follow the line of reasoning, alternative or opposing perspectives are addressed, and the organization, development, substance, and style are appropriate to purpose, audience, and a range of formal and informal tasks.	
	English Language	e Arts: Writing Standards for Literacy in Science and Technical Subjects	
		Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the strengths and limitations of each source in terms of the specific task, purpose, and audience; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance on any one source and following a standard format for citation.	
1.1.3	English Language	e Arts: Writing Standards for Literacy in Science and Technical Subjects	
	WHST.11-12.8	Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the strengths and limitations of each source in terms of the specific task, purpose, and audience; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance	
		on any one source and following a standard format for citation.	

Performance Indicators		Nevada Academic Content Standards	
1.2.1	English Language Arts: Speaking and Listening Standards		
	SL.11-12.1a	Come to discussions prepared, having read and researched material under study; explicitly draw on that preparation by referring to evidence from texts and other research on the topic or issue to stimulate a thoughtful, well-reasoned exchange of ideas.	
	SL.11-12.2	Integrate multiple sources of information presented in diverse formats and media (e.g., visually, quantitatively, orally) in order to make informed decisions and solve problems, evaluating the credibility and accuracy of each source and noting any discrepancies among the data.	
	SL.11-12.4	Present information, findings, and supporting evidence, conveying a clear and distinct perspective, such that listeners can follow the line of reasoning, alternative or opposing perspectives are addressed, and the organization, development, substance, and style are appropriate to purpose, audience, and a range of formal and informal tasks.	
1.2.4	English Language	e Arts: Speaking and Listening Standards	
	SL.11-12.1a	Come to discussions prepared, having read and researched material under study; explicitly draw on that preparation by referring to evidence from texts and other research on the topic or issue to stimulate a thoughtful, well-reasoned exchange of ideas.	
	SL.11-12.2	Integrate multiple sources of information presented in diverse formats and media (e.g., visually, quantitatively, orally) in order to make informed decisions and solve problems, evaluating the credibility and accuracy of each source and noting any discrepancies among the data.	
	SL.11-12.4	Present information, findings, and supporting evidence, conveying a clear and distinct perspective, such that listeners can follow the line of reasoning, alternative or opposing perspectives are addressed, and the organization, development, substance, and style are appropriate to purpose, audience, and a range of formal and informal tasks.	
1.2.5	English Language	Arts: Writing Standards for Literacy in Science and Technical Subjects	
	WHST.11-12.4	Produce clear and coherent writing in which the development, organization, and style	
		are appropriate to task, purpose, and audience.	
1.4.1		e Arts: Writing Standards for Literacy in Science and Technical Subjects	
	WHST.11-12.4	Produce clear and coherent writing in which the development, organization, and style	
		are appropriate to task, purpose, and audience.	

Performance Indicators		Nevada Academic Content Standards
1.4.2	English Language	e Arts: Speaking and Listening Standards
	SL.11-12.1a	Come to discussions prepared, having read and researched material under study; explicitly draw on that preparation by referring to evidence from texts and other research on the topic or issue to stimulate a thoughtful, well-reasoned exchange of ideas.
	SL.11-12.2	Integrate multiple sources of information presented in diverse formats and media (e.g., visually, quantitatively, orally) in order to make informed decisions and solve problems, evaluating the credibility and accuracy of each source and noting any discrepancies among the data.
	SL.11-12.4	Present information, findings, and supporting evidence, conveying a clear and distinct perspective, such that listeners can follow the line of reasoning, alternative or opposing perspectives are addressed, and the organization, development, substance, and style are appropriate to purpose, audience, and a range of formal and informal tasks.
		Arts: Writing Standards for Literacy in Science and Technical Subjects Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the strengths and limitations of each source in terms of the specific task, purpose, and audience; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance on any one source and following a standard format for citation.
1.4.3		Arts: Writing Standards for Literacy in Science and Technical Subjects Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the strengths and limitations of each source in terms of the specific task, purpose, and audience; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance on any one source and following a standard format for citation.
1.4.4	English Language	Arts: Writing Standards for Literacy in Science and Technical Subjects
	WHST.11-12.5	Develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach, focusing on addressing what is most significant for a specific purpose and audience.
1.4.5	English Language WHST.11-12.6	e Arts: Writing Standards for Literacy in Science and Technical Subjects  Use technology, including the Internet, to produce, publish, and update individual or shared writing products in response to ongoing feedback, including new arguments or information.

Performance Indicators		Nevada Academic Content Standards
1.5.2	English Language	e Arts: Language Standards
	L.11-12.6	Acquire and use accurately general academic and domain-specific words and phrases, sufficient for reading, writing, speaking, and listening at the college and career readiness level; demonstrate independence in gathering vocabulary knowledge when considering a word or phrase important to comprehension or expression.
	English Language	e Arts: Speaking and Listening Standards
	SL.11-12.1a	Come to discussions prepared, having read and researched material under study; explicitly draw on that preparation by referring to evidence from texts and other research on the topic or issue to stimulate a thoughtful, well-reasoned exchange of ideas.
	SL.11-12.4	Present information, findings, and supporting evidence, conveying a clear and distinct perspective, such that listeners can follow the line of reasoning, alternative or opposing perspectives are addressed, and the organization, development, substance, and style are appropriate to purpose, audience, and a range of formal and informal tasks.
	English Language	e Arts: Writing Standards for Literacy in Science and Technical Subjects
	WHST.11-12.8	Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the strengths and limitations of each source in terms of the specific task, purpose, and audience; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance on any one source and following a standard format for citation.

## **Content Standard 2.0: Career Exploration**

Performance Indicators		Nevada Academic Content Standards
2.1.1	English Language RST.11-12.7	Arts: Reading Standards for Literacy in Science and Technical Subjects Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., quantitative data, video, multimedia) in order to address a question or solve a problem.
	RST.11-12.9	Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible.
2.1.2	English Language RI.11-12.3	Arts: Reading Standards for Informational Text  Analyze a complex set of ideas or sequence of events and explain how specific individuals, ideas, or events interact and develop over the course of the text.
	English Language RST.11-12.7	e Arts: Reading Standards for Literacy in Science and Technical Subjects Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., quantitative data, video, multimedia) in order to address a question or solve a problem.
	RST.11-12.9	Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible.
	English Language WHST.11-12.8	Arts: Writing Standards for Literacy in Science and Technical Subjects Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the strengths and limitations of each source in terms of the specific task, purpose, and audience; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance on any one source and following a standard format for citation.
2.1.3	English Language RST.11-12.7	Arts: Reading Standards for Literacy in Science and Technical Subjects Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., quantitative data, video, multimedia) in order to address a question or solve a problem.
2.1.4	English Language SL.11-12.4	Present information, findings, and supporting evidence, conveying a clear and distinct perspective, such that listeners can follow the line of reasoning, alternative or opposing perspectives are addressed, and the organization, development, substance, and style are appropriate to purpose, audience, and a range of formal and informal tasks.
2.2.1	English Language WHST.11-12.8	e Arts: Writing Standards for Literacy in Science and Technical Subjects Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the strengths and limitations of each source in terms of the specific task, purpose, and audience; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance on any one source and following a standard format for citation.
2.2.2		Arts: Writing Standards for Literacy in Science and Technical Subjects Introduce a topic and organize complex ideas, concepts, and information so that each new element builds on that which precedes it to create a unified whole; include formatting (e.g., headings), graphics (e.g., figures, tables), and multimedia when useful to aiding comprehension.

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Performance Indicators		Nevada Academic Content Standards
2.2.3	<b>English Language</b>	Arts: Writing Standards for Literacy in Science and Technical Subjects
	WHST.11-12.8	Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the strengths and limitations of each source in terms of the specific task, purpose, and audience; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance on any one source and following a standard format for citation.

## **Content Standard 3.0: Demonstrate Fashion Design Skills**

Performance Indicators		Nevada Academic Content Standards
3.1.1	English Language	Arts: Reading Standards for Literacy in Science and Technical Subjects
	RST.11-12.9	Synthesize information from a range of sources (e.g., texts, experiments, simulations)
		into a coherent understanding of a process, phenomenon, or concept, resolving
		conflicting information when possible.
3.1.2	English Language	Arts: Reading Standards for Literacy in Science and Technical Subjects
	RST.11-12.7	Integrate and evaluate multiple sources of information presented in diverse formats
		and media (e.g., quantitative data, video, multimedia) in order to address a question
		or solve a problem.
3.1.3	English Language	Arts: Writing Standards for Literacy in Science and Technical Subjects
	WHST.11-12.7	Conduct short as well as more sustained research projects to answer a question
		(including a self-generated question) or solve a problem; narrow or broaden the
		inquiry when appropriate; synthesize multiple sources on the subject, demonstrating
		understanding of the subject under investigation.
3.1.4		Arts: Reading Standards for Literacy in Science and Technical Subjects
	RST.11-12.9	Synthesize information from a range of sources (e.g., texts, experiments, simulations)
		into a coherent understanding of a process, phenomenon, or concept, resolving
		conflicting information when possible.
3.2.1		Arts: Reading Standards for Literacy in Science and Technical Subjects
	RST.11-12.9	Synthesize information from a range of sources (e.g., texts, experiments, simulations)
		into a coherent understanding of a process, phenomenon, or concept, resolving
		conflicting information when possible.
3.2.2		Arts: Reading Standards for Literacy in Science and Technical Subjects
	RST.11-12.9	Synthesize information from a range of sources (e.g., texts, experiments, simulations)
		into a coherent understanding of a process, phenomenon, or concept, resolving
		conflicting information when possible.
3.2.3		Arts: Reading Standards for Literacy in Science and Technical Subjects
	RST.11-12.3	Follow precisely a complex multistep procedure when carrying out experiments,
		taking measurements, or performing technical tasks; analyze the specific results based
2.2.4		on explanations in the text.
3.2.4		Arts: Reading Standards for Literacy in Science and Technical Subjects
	RST.11-12.3	Follow precisely a complex multistep procedure when carrying out experiments,
		taking measurements, or performing technical tasks; analyze the specific results based on explanations in the text.
3.2.5	English Language	Arts: Reading Standards for Literacy in Science and Technical Subjects
3.2.3	RST.11-12.9	
	K31.11-12.9	Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving
		conflicting information when possible.
3.2.6	English Language	Arts: Writing Standards for Literacy in Science and Technical Subjects
3.2.0	WHST.11-12.8	Gather relevant information from multiple authoritative print and digital sources,
	VVIIST.11-12.0	using advanced searches effectively; assess the strengths and limitations of each
		source in terms of the specific task, purpose, and audience; integrate information into
		the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance
		on any one source and following a standard format for citation.
3.2.7	English Language	Arts: Reading Standards for Literacy in Science and Technical Subjects
3.2.7	RST.11-12.3	Follow precisely a complex multistep procedure when carrying out experiments,
	1/31.11-12.3	taking measurements, or performing technical tasks; analyze the specific results based
		on explanations in the text.
	l	טון פאףומוומנוטווז ווו נווכ נפאנ.

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Performance Indicators		Nevada Academic Content Standards
3.3.1	English Languag	e Arts: Reading Standards for Literacy in Science and Technical Subjects
	RST.11-12.7	Integrate and evaluate multiple sources of information presented in diverse formats
		and media (e.g., quantitative data, video, multimedia) in order to address a question
		or solve a problem.
3.3.2	English Languag	e Arts: Reading Standards for Literacy in Science and Technical Subjects
	RST.11-12.7	Integrate and evaluate multiple sources of information presented in diverse formats
		and media (e.g., quantitative data, video, multimedia) in order to address a question
		or solve a problem.
3.3.3	English Languag	e Arts: Writing Standards for Literacy in Science and Technical Subjects
	WHST.11-12.8	Gather relevant information from multiple authoritative print and digital sources,
		using advanced searches effectively; assess the strengths and limitations of each
		source in terms of the specific task, purpose, and audience; integrate information into
		the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance
		on any one source and following a standard format for citation.
3.3.4	English Languag	e Arts: Writing Standards for Literacy in Science and Technical Subjects
	WHST.11-12.8	Gather relevant information from multiple authoritative print and digital sources,
		using advanced searches effectively; assess the strengths and limitations of each
		source in terms of the specific task, purpose, and audience; integrate information into
		the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance
		on any one source and following a standard format for citation.
3.3.5	English Languag	e Arts: Writing Standards for Literacy in Science and Technical Subjects
	WHST.11-12.8	Gather relevant information from multiple authoritative print and digital sources,
		using advanced searches effectively; assess the strengths and limitations of each
		source in terms of the specific task, purpose, and audience; integrate information into
		the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance
		on any one source and following a standard format for citation.
3.4.1	<b>English Languag</b>	e Arts: Reading Standards for Literacy in Science and Technical Subjects
	RST.11-12.9	Synthesize information from a range of sources (e.g., texts, experiments, simulations)
		into a coherent understanding of a process, phenomenon, or concept, resolving
		conflicting information when possible.
3.4.2	<b>English Languag</b>	e Arts: Writing Standards
	W.11-12.3b	Use narrative techniques, such as dialogue, pacing, description, reflection, and
		multiple plot lines, to develop experiences, events, and/or characters.
3.5.1	English Languag	e Arts: Reading Standards for Informational Text
	RI.11-12.1	Cite strong and thorough textual evidence to support analysis of what the text says
		explicitly as well as inferences drawn from the text, including determining where the
		text leaves matters uncertain.
		e Arts: Writing Standards
	W.11-12.3b	Use narrative techniques, such as dialogue, pacing, description, reflection, and
		multiple plot lines, to develop experiences, events, and/or characters.
3.5.2	Science: HS. Eng	
	HS-ETS1-1	Analyze a major global challenge to specify qualitative and quantitative criteria and
		constraints for solutions that account for societal needs and wants.
3.5.3		e Arts: Reading Standards for Informational Text
	RI.11-12.3	Analyze a complex set of ideas or sequence of events and explain how specific
		individuals, ideas, or events interact and develop over the course of the text.

## **Content Standard 4.0: Analyze Textile Products**

Performance Indicators	Nevada Academic Content Standards	
4.1.3	English Language Arts: Reading Standards for Literacy in Science and Technical Subjects	
	RST.11-12.9	Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible.
4.1.4	English Langua	ge Arts: Writing Standards
	W.11-12.3b	Use narrative techniques, such as dialogue, pacing, description, reflection, and
		multiple plot lines, to develop experiences, events, and/or characters.

### **Content Standard 5.0: Demonstrate the Construction of Apparel Products**

Performance Indicators	Nevada Academic Content Standards	
5.1.1	English Languag RST.11-12.3	ge Arts: Reading Standards for Literacy in Science and Technical Subjects  Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks; analyze the specific results based on explanations in the text.
	RST.11-12.9	Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible.
	English Languag SL.11-12.1d	Respond thoughtfully to diverse perspectives; synthesize comments, claims, and evidence made on all sides of an issue; resolve contradictions when possible; and determine what additional information or research is required to deepen the investigation or complete the task.
5.1.2	English Languag RST.11-12.3	ge Arts: Reading Standards for Literacy in Science and Technical Subjects  Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks; analyze the specific results based on explanations in the text.
	RST.11-12.9	Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible.
	English Languag SL.11-12.1d	Respond thoughtfully to diverse perspectives; synthesize comments, claims, and evidence made on all sides of an issue; resolve contradictions when possible; and determine what additional information or research is required to deepen the investigation or complete the task.
5.1.3	RST.11-12.3	ge Arts: Reading Standards for Literacy in Science and Technical Subjects  Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks; analyze the specific results based on explanations in the text.
	RST.11-12.9	Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible.
	English Languag SL.11-12.1d	Respond thoughtfully to diverse perspectives; synthesize comments, claims, and evidence made on all sides of an issue; resolve contradictions when possible; and determine what additional information or research is required to deepen the investigation or complete the task.

Performance		Nevada Academic Content Standards
Indicators Nevada Academic Conten		
5.2.1	RST.11-12.3	e Arts: Reading Standards for Literacy in Science and Technical Subjects  Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks; analyze the specific results based on explanations in the text.
	RST.11-12.9	Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible.
	English Languag SL.11-12.1d	e Arts: Speaking and Listening Standards  Respond thoughtfully to diverse perspectives; synthesize comments, claims, and evidence made on all sides of an issue; resolve contradictions when possible; and determine what additional information or research is required to deepen the investigation or complete the task.
	Math: Geometry GMG.A.1	y – Modeling with Geometry  Use geometric shapes, their measures, and their properties to describe objects (e.g., modeling a tree trunk or a human torso as a cylinder).
5.2.2	English Languag RST.11-12.7	e Arts: Reading Standards for Literacy in Science and Technical Subjects Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., quantitative data, video, multimedia) in order to address a question or solve a problem.
	RST.11-12.9	Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible.
English Lan SL.11-12.1		e Arts: Speaking and Listening Standards  Come to discussions prepared, having read and researched material under study; explicitly draw on that preparation by referring to evidence from texts and other research on the topic or issue to stimulate a thoughtful, well-reasoned exchange of ideas.
	SL.11-12.2	Integrate multiple sources of information presented in diverse formats and media (e.g., visually, quantitatively, orally) in order to make informed decisions and solve problems, evaluating the credibility and accuracy of each source and noting any discrepancies among the data.
	SL.11-12.4	Present information, findings, and supporting evidence, conveying a clear and distinct perspective, such that listeners can follow the line of reasoning, alternative or opposing perspectives are addressed, and the organization, development, substance, and style are appropriate to purpose, audience, and a range of formal and informal tasks.
	WHST.11-12.8	e Arts: Writing Standards for Literacy in Science and Technical Subjects Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the strengths and limitations of each source in terms of the specific task, purpose, and audience; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance on any one source and following a standard format for citation.
5.2.3	English Languag RST.11-12.7	e Arts: Reading Standards for Literacy in Science and Technical Subjects Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., quantitative data, video, multimedia) in order to address a question or solve a problem.

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Performance Indicators		Nevada Academic Content Standards		
5.2.4	English Language RST.11-12.3	e Arts: Reading Standards for Literacy in Science and Technical Subjects  Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks; analyze the specific results based on explanations in the text.		
	RST.11-12.9	Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible.		
	English Language SL.11-12.1d	e Arts: Speaking and Listening Standards  Respond thoughtfully to diverse perspectives; synthesize comments, claims, and evidence made on all sides of an issue; resolve contradictions when possible; and determine what additional information or research is required to deepen the investigation or complete the task.		
5.2.5	English Language RST.11-12.3	e Arts: Reading Standards for Literacy in Science and Technical Subjects  Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks; analyze the specific results based on explanations in the text.		
	RST.11-12.9	Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible.		
	English Language SL.11-12.1d	e Arts: Speaking and Listening Standards  Respond thoughtfully to diverse perspectives; synthesize comments, claims, and evidence made on all sides of an issue; resolve contradictions when possible; and determine what additional information or research is required to deepen the investigation or complete the task.		
5.2.6	English Language	e Arts: Reading Standards for Literacy in Science and Technical Subjects		
3.2.0	RST.11-12.3	Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks; analyze the specific results based on explanations in the text.		
	RST.11-12.9	Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible.		
	English Language Arts: Speaking and Listening Standards			
	SL.11-12.1d	Respond thoughtfully to diverse perspectives; synthesize comments, claims, and evidence made on all sides of an issue; resolve contradictions when possible; and determine what additional information or research is required to deepen the investigation or complete the task.		
5.3.1	English Language	e Arts: Reading Standards for Literacy in Science and Technical Subjects		
	RST.11-12.3	Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks; analyze the specific results based on explanations in the text.		
	RST.11-12.9	Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible.		
	English Language	e Arts: Speaking and Listening Standards		
	SL.11-12.1d	Respond thoughtfully to diverse perspectives; synthesize comments, claims, and evidence made on all sides of an issue; resolve contradictions when possible; and determine what additional information or research is required to deepen the investigation or complete the task.		

Performance		Nevada Academic Content Standards	
Indicators	cators		
5.3.2	RST.11-12.3	e Arts: Reading Standards for Literacy in Science and Technical Subjects  Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks; analyze the specific results based on explanations in the text.	
	RST.11-12.9	Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible.	
	English Language SL.11-12.1d	Respond thoughtfully to diverse perspectives; synthesize comments, claims, and evidence made on all sides of an issue; resolve contradictions when possible; and determine what additional information or research is required to deepen the investigation or complete the task.	
5.3.3	English Language RST.11-12.3	e Arts: Reading Standards for Literacy in Science and Technical Subjects  Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks; analyze the specific results based on explanations in the text.	
	RST.11-12.9	Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible.	
	English Language SL.11-12.1d	e Arts: Speaking and Listening Standards  Respond thoughtfully to diverse perspectives; synthesize comments, claims, and evidence made on all sides of an issue; resolve contradictions when possible; and determine what additional information or research is required to deepen the investigation or complete the task.	
5.3.4	English Language	Arts: Reading Standards for Literacy in Science and Technical Subjects	
	RST.11-12.3	Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks; analyze the specific results based on explanations in the text.	
int		Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible.	
	English Language SL.11-12.1d	Respond thoughtfully to diverse perspectives; synthesize comments, claims, and evidence made on all sides of an issue; resolve contradictions when possible; and determine what additional information or research is required to deepen the investigation or complete the task.	
5.3.5	English Language RST.11-12.3	Arts: Reading Standards for Literacy in Science and Technical Subjects  Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks; analyze the specific results based on explanations in the text.	
	RST.11-12.9	Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible.	
	English Language SL.11-12.1d	e Arts: Speaking and Listening Standards  Respond thoughtfully to diverse perspectives; synthesize comments, claims, and evidence made on all sides of an issue; resolve contradictions when possible; and determine what additional information or research is required to deepen the investigation or complete the task.	

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Performance Indicators	Nevada Academic Content Standards			
5.3.6	English Languag RST.11-12.3	ge Arts: Reading Standards for Literacy in Science and Technical Subjects  Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks; analyze the specific results based on explanations in the text.		
	RST.11-12.9	Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible.		
		ge Arts: Speaking and Listening Standards		
	SL.11-12.1d	Respond thoughtfully to diverse perspectives; synthesize comments, claims, and evidence made on all sides of an issue; resolve contradictions when possible; and determine what additional information or research is required to deepen the investigation or complete the task.		
5.3.8		English Language Arts: Reading Standards for Literacy in Science and Technical Subjects		
	RST.11-12.3	Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks; analyze the specific results based on explanations in the text.		
	RST.11-12.9	Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible.		
	English Language Arts: Speaking and Listening Standards			
	SL.11-12.1d	Respond thoughtfully to diverse perspectives; synthesize comments, claims, and evidence made on all sides of an issue; resolve contradictions when possible; and determine what additional information or research is required to deepen the investigation or complete the task.		
5.3.9		ge Arts: Writing Standards for Literacy in Science and Technical Subjects		
	WHST.11-12.4	Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.		

## Alignment of Fashion, Textiles, and Design Standards and the Mathematical Practices

Mathematical Practices	Fashion, Textiles, and Design Performance Indicators
Make sense of problems and persevere in solving them.	
2. Reason abstractly and quantitatively.	5.1.2
Construct viable arguments and critique the reasoning of others.	3.4.1
4. Model with mathematics.	
5. Use appropriate tools strategically.	5.1.1-5.1.4
6. Attend to precision.	5.2.1, 5.2.3
7. Look for and make use of structure.	
Look for and express regularity in repeated reasoning.	

## Alignment of Fashion, Textiles, and Design Standards and the Science and Engineering Practices

Science and Engineering Practices	Fashion, Textiles, and Design Performance Indicators
Asking questions (for science) and defining problems (for engineering).	
Developing and using models.	
Planning and carrying out investigations.	2.1.2
4. Analyzing and interpreting data.	5.2.2
Using mathematics and computational thinking.	5.2.1
Constructing explanations (for science) and designing solutions (for engineering).	
7. Engaging in argument from evidence.	
Obtaining, evaluating, and communicating information.	2.1.4; 2.2.3; 3.5.3

## Crosswalks of Fashion, Textiles, and Design Standards and the Common Career Technical Core

	Arts, A/V Technology, and Communications Career Cluster	Performance Indicators
1.	Analyze the interdependence of the technical and artistic elements of various careers within the Arts, A/V Technology, and Communications Career Cluster.	1.4.5; 3.2.4, 3.2.5; 3.5.3
2.	Analyze the importance of health, safety and environmental management systems, policies and procedures common in arts, audio/video technology, and communications activities and facilities.	1.2.1, 1.2.2, 1.2.6; 2.1.4 5.1.1-5.1.3; 5.3.8
3.	Analyze the lifestyle implications and physical demands required in the arts, audio/visual technology, and communications workplace.	2.1.1-2.1.2, 2.1.4; 2.2.1
4.	Analyze the legal and ethical responsibilities required in the arts, audio/visual technology, and communications workplace.	2.1.2, 2.1.4; 4.2.2
5.	Describe the career opportunities and means to achieve those opportunities in each of the Arts, A/V Technology, and Communications Career Pathways.	2.1.1-2.1.4
6.	Evaluate technological advancements and tools that are essential to occupations within the Arts, A/V Technology, and Communications Career Cluster.	5.3.1

	Visual Arts Career Pathway	Performance Indicators
1.	Describe the history and evolution of the visual arts and its role in and impact on society.	3.3.1, 3.3.2
2.	Analyze how the application of visual arts elements and principles of design communicate and express ideas.	3.1.1-3.1.4
3.	Analyze and create two and three-dimensional visual art forms using various media.	3.2.7; 3.5.3 5.2.6; 5.3.1-5.3.9