

TEACHING AND TRAINING STANDARDS



This document was prepared by:

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Draft for review by the Nevada State Board of Education on
December 9, 2021

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All Nevadans ready for success in the 21st century

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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 standards and assessments is a collaborative effort sponsored by the Office of Career Readiness, Adult Learning, and Education Options at the Department of Education. The Department of Education relies on teachers and industry representatives who have the technical expertise and teaching experience to develop standards and performance indicators that truly measure student skill attainment. Most important, however, is recognition of the time, expertise and great diligence provided by the writing team members in developing the career and technical standards for Teaching and Training.

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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 was coordinated with industry experts to ensure the standards include the proper content; or (3) the adoption of nationally recognized standards endorsed by business and industry.

The Teaching and Training standards were validated through active participation of business and industry representatives on the development team.

PROJECT COORDINATOR

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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 Teaching and Training 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 crosswalk and alignment section of the document shows where the performance indicators support the Nevada Academic Content Standards. Where correlation with an academic content standard exists, students in the Teaching and Training program perform learning activities that support, either directly or indirectly, achievement of the academic content standards that are listed.

All students are encouraged to participate in the career and technical student organization (CTSO) that relates to the Teaching and Training 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, TT is the Standards Reference Code for Teaching and Training. For Content Standard 2, Performance Standard 3 and Performance Indicator 4 the Standards Reference Code would be TT.2.3.4.

CONTENT STANDARD 1.0: INTEGRATE CAREER AND TECHNICAL STUDENT ORGANIZATIONS (CTSOs)***PERFORMANCE STANDARD 1.1: EXPLORE THE HISTORY AND ORGANIZATION OF CTOS**

- 1.1.1 Discuss the requirements of CTSO participation/involvement as described in Carl D. Perkins Law
- 1.1.2 Research nationally recognized CTOS
- 1.1.3 Investigate the impact of federal and state government regarding the progression and operation of CTOS (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

*Refer to the program of study Curriculum Framework for appropriate CTSO(s).

CONTENT STANDARD 2.0: EXAMINE CAREERS AND PROFESSIONAL PRACTICES**PERFORMANCE STANDARD 2.1: EXPLORE POSTSECONDARY OPTIONS AND CAREER PATHWAYS**

- 2.1.1 Analyze career paths, opportunities, and benefits of pursuing careers in Teaching and Training
- 2.1.2 Research teaching and training careers, credentials, certifications, degrees, salaries, benefits, and work environments
- 2.1.3 Assess the personal qualities and abilities to be effective in teaching and training careers

PERFORMANCE STANDARD 2.2: EXAMINE ETHICAL STANDARDS AND PROFESSIONAL PRACTICES

- 2.2.1 Demonstrate ethical practices (e.g., confidentiality, impartiality, equity, privacy, etc.)
- 2.2.2 Evaluate ethical standards and regulations established by employers or affiliated associations (e.g., Model Code of Ethics for Educators, State Performance Measures, Society of Human Resources Management Code of Ethics, Association Contracts, etc.)
- 2.2.3 Analyze ethical dilemmas and determine courses of action
- 2.2.4 Explore various methods of advocacy
- 2.2.5 Discuss the significance and value of Teaching and Training careers for the community

CONTENT STANDARD 3.0: ANALYZE FOUNDATIONS OF EDUCATION**PERFORMANCE STANDARD 3.1: EXPLORE THE HISTORY OF EDUCATION**

- 3.1.1 Describe the contributions of influential historical figures in education (e.g., Benjamin Franklin, Thomas Jefferson, Horace Mann, John Dewey, Maria Montessori, etc.)
- 3.1.2 Describe the evolution of public and private schools including past and present educational trends
- 3.1.3 Examine the evolution of educational policies (e.g., Nevada Law, Nevada Constitution, Federal Law, etc.)

PERFORMANCE STANDARD 3.2: EVALUATE THEORIES OF DEVELOPMENT AND LEARNING

- 3.2.1 Explain developmental domains (i.e., cognitive, physical, social-emotional)
- 3.2.2 Compare and contrast theories of development and learning (e.g., Piaget, Erikson, Gardner, Maslow, Vygotsky, etc.)
- 3.2.3 Apply knowledge of developmental theories to meet the learner's individual needs
- 3.2.4 Explain factors that impact a person's ability to learn (e.g., environmental, biological, developmental, etc.)

PERFORMANCE STANDARD 3.3: INVESTIGATE EDUCATIONAL PHILOSOPHIES AND APPROACHES

- 3.3.1 Analyze educational philosophies (e.g., Constructivism, Behaviorism, Progressivism, etc.)
- 3.3.2 Analyze educational approaches (e.g., Montessori, Waldorf, STEM/STEAM, etc.)
- 3.3.3 Utilize teaching methods that reflect specific philosophies and approaches

CONTENT STANDARD 4.0: ASSESS DIVERSE LEARNERS AND THE EDUCATION ENVIRONMENT**PERFORMANCE STANDARD 4.1: EXAMINE SOCIAL, CULTURAL, ECONOMIC, AND POLITICAL INFLUENCES**

- 4.1.1 Analyze the causes of academic achievement gaps
- 4.1.2 Examine the history of race and class in the American education system
- 4.1.3 Examine the knowledge, skills, and culture that the diverse learner brings to education

PERFORMANCE STANDARD 4.2: DEMONSTRATE CULTURALLY RESPONSIVE/RESPECTFUL TEACHING

- 4.2.1 Create experiences that address the diversity of the learning community
- 4.2.2 Demonstrate the ability to connect educational content to diverse populations of learners
- 4.2.3 Create safe and respectful learning environments for all learners

CONTENT STANDARD 5.0: DESIGN INSTRUCTION**PERFORMANCE STANDARD 5.1: PLAN FOR INSTRUCTION**

- 5.1.1 Analyze the types of information included in the educational standards for the state
- 5.1.2 Distinguish the difference between content standards and objectives
- 5.1.3 Explain the relationship between pacing guides, course plans, and instructional units

PERFORMANCE STANDARD 5.2: DEVELOP LESSON PLANS

- 5.2.1 Utilize the diverse learner's prior knowledge, skills, experiences, languages, and culture in instructional planning
- 5.2.2 Examine the components of an effective lesson plan
- 5.2.3 Develop educational objectives for diverse learners
- 5.2.4 Develop effective lesson plans to include differentiation to meet all students' needs
- 5.2.5 Utilize differentiated instruction in lesson planning

PERFORMANCE STANDARD 5.3: EVALUATE INSTRUCTIONAL METHODS

- 5.3.1 Identify the characteristics and uses of specific types of instructional methods
- 5.3.2 Develop specific components of the lesson using appropriate instructional strategies
- 5.3.3 Explain the role of the teacher in developing critical thinking skills, appropriate questions, and metacognition

PERFORMANCE STANDARD 5.4: EXPLORE APPROPRIATE USES OF TECHNOLOGY

- 5.4.1 Evaluate instructional technology trends
- 5.4.2 Determine different types of technology integration (e.g., applications, equipment, learning management systems, instructional materials, etc.)
- 5.4.3 Compare and contrast benefits and limitations of technology in the learning environment
- 5.4.4 Model digital citizenship in lesson development (e.g. data privacy, ethics, security, etc.)

PERFORMANCE STANDARD 5.5: ANALYZE ASSESSMENT PRACTICES

- 5.5.1 Recognize the value of assessment for learning impact and improvement
- 5.5.2 Utilize different types of assessment technology tools
- 5.5.3 Create examples of assessments based on student learning objectives (e.g. data privacy, ethics, security, etc.)
- 5.5.4 Describe the rationale teachers use when choosing appropriate assessment strategies
- 5.5.5 Develop improvement plans based on assessment results
- 5.5.6 Discuss the role of grading in relation to assessment

CONTENT STANDARD 6.0: MANAGE THE LEARNING ENVIRONMENT**PERFORMANCE STANDARD 6.1: EXPLORE MANAGEMENT PRACTICES AND PROFESSIONAL COMPLIANCE
REQUIREMENTS**

- 6.1.1 Discuss the meaning and importance of management of the learning environment
- 6.1.2 Explore the foundational theorists of managing the learning environment (e.g., Skinner, Redl and Wattenberg, Kounin, Dreikurs, etc.)
- 6.1.3 Analyze management of the learning environment using scenarios and strategies for all learners
- 6.1.4 Distinguish the components of a management plan. (e.g., planning, rules, procedures, discipline, consistency, etc.)

PERFORMANCE STANDARD 6.2: CREATE SAFE LEARNING ENVIRONMENTS

- 6.2.1 Create a physically, emotionally, and intellectually safe and effective learning environment
- 6.2.2 Describe regulatory requirements pertaining to signs and symptoms of abuse, neglect, and bullying
- 6.2.3 Demonstrate active supervision and interactions with learners to ensure safety
- 6.2.4 Investigate bullying and cyberbullying prevention strategies and resources
- 6.2.5 Utilize developmentally appropriate strategies to promote social and emotional health and learning
- 6.2.6 Perform emergency, safety, health, and security procedures

CROSSWALKS AND ALIGNMENTS**CROSSWALKS (ACADEMIC STANDARDS)**

The crosswalk of the Teaching and Training Standards shows links to the Nevada Academic Content Standards. The crosswalk identifies the performance indicators in which the learning objectives in the Teaching and Training program 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 correlation with the Nevada Academic Content Standards for Mathematics, many performance indicators support the Mathematical Practices. The following table illustrates the alignment of the Teaching and Training Standards Performance Indicators and the Mathematical Practices. This alignment identifies the performance indicators in which the learning objectives in the Teaching and Training program support academic learning.

ALIGNMENTS (SCIENCE AND ENGINEERING PRACTICES)

In addition to correlation 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 Teaching and Training Standards Performance Indicators and the Science and Engineering Practices. This alignment identifies the performance indicators in which the learning objectives in the Teaching and Training program support academic learning.

CROSSWALKS (COMMON CAREER TECHNICAL CORE)

The crosswalk of the Teaching and Training Standards shows links to the Common Career Technical Core. The crosswalk identifies the performance indicators in which the learning objectives in the Teaching and Training program 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 Teaching and Training Standards are crosswalked to the Education and Training Career Cluster™ and the Teaching/Training Career Pathway.

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**CROSSWALK OF TEACHING AND TRAINING 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	<p>English Language Arts: Speaking and Listening Standards</p> <p>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.</p> <p>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.</p> <p>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.</p>
1.1.2	<p>English Language Arts: Speaking and Listening Standards</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>English Language Arts: Writing Standards for Literacy in Science and Technical Subjects</p> <p>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.</p>
1.1.3	<p>English Language Arts: Writing Standards for Literacy in Science and Technical Subjects</p> <p>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.</p>

Performance Indicators	Nevada Academic Content Standards
1.2.1	<p>English Language Arts: Speaking and Listening Standards</p> <p>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.</p> <p>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.</p> <p>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.</p>
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1.2.5	<p>English Language Arts: Writing Standards for Literacy in Science and Technical Subjects</p> <p>WHST.11-12.4 Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.</p>
1.4.1	<p>English Language Arts: Writing Standards for Literacy in Science and Technical Subjects</p> <p>WHST.11-12.4 Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.</p>

Performance Indicators	Nevada Academic Content Standards
1.4.2	<p>English Language Arts: Speaking and Listening Standards</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>English Language Arts: Writing Standards for Literacy in Science and Technical Subjects</p> <p>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.</p>
1.4.3	<p>English Language Arts: Writing Standards for Literacy in Science and Technical Subjects</p> <p>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.</p>
1.4.4	<p>English Language Arts: Writing Standards for Literacy in Science and Technical Subjects</p> <p>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.</p>
1.4.5	<p>English Language Arts: Writing Standards for Literacy in Science and Technical Subjects</p> <p>WHST.11-12.6 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.</p>

Performance Indicators	Nevada Academic Content Standards
1.5.2	<p>English Language 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.</p> <p>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.11-12.4 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.</p> <p>English Language 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.</p>

CONTENT STANDARD 2.0: EXAMINE CAREERS AND PROFESSIONAL PRACTICES

Performance Indicators	Nevada Academic Content Standards
2.1.1	<p>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.</p>
2.1.2	<p>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.</p> <p>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.</p>
2.1.3	<p>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.</p>
2.2.1	<p>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.</p>
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2.2.5	<p>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.</p>

CONTENT STANDARD 3.0: ANALYZE FOUNDATIONS OF EDUCATION

Performance Indicators	Nevada Academic Content Standards
3.1.1	<p>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.</p>
3.1.2	<p>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.</p> <p>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.</p>
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3.2.3	<p>English language Arts: Speaking and Listening Standards 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 the data.</p>
3.3.1	<p>English Language 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.</p>
3.3.2	<p>English Language 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.</p>
3.3.3	<p>English language Arts: Speaking and Listening Standards 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 the data.</p>
3.4.1	<p>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.</p>
3.4.2	<p>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.</p>

CONTENT STANDARD 4.0: ASSESS DIVERSE LEARNERS AND THE EDUCATION ENVIRONMENT

Performance Indicators	Nevada Academic Content Standards
4.1.1	<p>English Language Arts: Writing Standards for Literacy in Science and Technical Subjects RST.11-12.8 Evaluate the hypotheses, data, analysis, and conclusions in a science or technical text, verifying the data when possible and corroborating or challenging conclusions with other sources of information.</p> <p>English Language 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.</p>
4.1.2	<p>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</p>
4.1.3	<p>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.</p>
4.2.1	<p>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.</p> <p>English language Arts: Speaking and Listening Standards 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 the data.</p>
4.2.2	<p>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.</p>
4.2.3	<p>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.</p> <p>English language Arts: Speaking and Listening Standards 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.</p>

Performance Indicators	Nevada Academic Content Standards
4.3.1	<p data-bbox="337 285 813 315">English Language Arts: Language Standards</p> <p data-bbox="345 323 1455 449">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.</p> <p data-bbox="337 470 959 499">English Language Arts: Speaking and Listening Standards</p> <p data-bbox="345 508 1455 655">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.</p>

CONTENT STANDARD 5.0: DESIGN INSTRUCTION

Performance Indicators	Nevada Academic Content Standards
5.1.1	<p>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.</p>
5.1.2	<p>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.</p>
5.1.3	<p>English Language Arts: Speaking and Listening 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.</p> <p>English Language Arts: Speaking and Listening Standards 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.</p>
5.2.1	<p>English Language Arts: Speaking and Listening Standards 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 the data.</p>
5.2.2	<p>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.</p>
5.2.3	<p>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.</p>
5.2.4	<p>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.</p> <p>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.</p>

Performance Indicators	Nevada Academic Content Standards
5.3.1	<p>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.</p>
5.3.2	<p>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.</p>
5.3.3	<p>English Language 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.</p> <p>English Language Arts: Speaking and Listening Standards 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.</p>
5.4.1	<p>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.</p>
5.4.2	<p>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.</p>
5.4.3	<p>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 research⁵ on the topic or issue to stimulate a thoughtful, well-reasoned exchange of ideas.</p> <p>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.</p>
5.4.4	<p>English Language Arts: Speaking and Listening Standards 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.</p>
5.5.1	<p>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.</p>

Performance Indicators	Nevada Academic Content Standards
5.5.2	<p>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.</p>
5.5.3	<p>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.</p> <p>English Language Arts: Speaking and Listening Standards 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 the data.</p>
5.5.4	<p>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.</p>
5.5.5	<p>English Language Arts: Reading Standards for Literacy in Science and Technical Subjects RST.11-12.8 Evaluate the hypotheses, data, analyses, and conclusions in a science or technical text, verifying the data when possible and corroborating or challenging conclusions with other sources of information.</p> <p>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.</p>
5.5.6	<p>English Language Arts: Speaking and Listening Standards 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.</p>

CONTENT STANDARD 6.0: MANAGE THE LEARNING ENVIRONMENT

Performance Indicators	Nevada Academic Content Standards
6.1.1	<p>English Language Arts: Speaking and Listening Standards 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.</p>
6.1.2	<p>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.</p>
6.1.3	<p>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.</p>
6.1.4	<p>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.</p>
6.2.1	<p>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.</p>
6.2.2	<p>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.</p>
6.2.3	<p>English Language Arts: Writing 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.</p>
6.2.4	<p>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.</p> <p>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.</p> <p>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.</p>

Performance Indicators	Nevada Academic Content Standards
6.2.5	<p>English Language Arts: Speaking and Listening Standards 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 the data.</p>
6.2.6	<p>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.</p> <p>English Language Arts: Speaking and Listening Standards 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.</p>

**ALIGNMENT OF TEACHING AND TRAINING STANDARDS
AND THE MATHEMATICAL PRACTICES**

Mathematical Practices	Teaching and Training Performance Indicators
1. Make sense of problems and persevere in solving them.	
2. Reason abstractly and quantitatively.	
3. Construct viable arguments and critique the reasoning of others.	
4. Model with mathematics.	
5. Use appropriate tools strategically.	
6. Attend to precision.	
7. Look for and make use of structure.	
8. Look for and express regularity in repeated reasoning.	

**ALIGNMENT OF TEACHING AND TRAINING STANDARDS
AND THE SCIENCE AND ENGINEERING PRACTICES**

Science and Engineering Practices	Teaching and Training Performance Indicators
1. Asking questions (for science) and defining problems (for engineering).	
2. Developing and using models.	
3. Planning and carrying out investigations.	
4. Analyzing and interpreting data.	
5. Using mathematics and computational thinking.	
6. Constructing explanations (for science) and designing solutions (for engineering).	
7. Engaging in argument from evidence.	
8. Obtaining, evaluating, and communicating information.	

**CROSSWALKS OF TEACHING AND TRAINING STANDARDS
AND THE COMMON CAREER TECHNICAL CORE**

Education and Training Career Cluster™	Performance Indicators
1. Apply communication skills with students, parents and other groups to enhance learning and a commitment to learning.	5.3.1, 6.2.1, 6.2.5
2. Demonstrate effective oral, written and multimedia communication in multiple formats and contexts.	4.2.1, 4.2.2, 4.2.3, 5.4.3 5.4.4, 6.2.1, 6.2.5
3. Use critical thinking to process educational communications, perspectives, policies and/or procedures.	2.2.1, 2.2.2, 2.2.4, 3.2.3 4.2.1, 4.2.3, 5.3.1, 5.4.4 6.2.1, 6.2.2, 6.2.5, 6.2.6
4. Evaluate and manage risks to safety, health and the environment in education and training settings.	6.2.6
5. Demonstrate group collaboration skills to enhance professional education and training practice.	3.3.2, 3.3.3
6. Analyze ethical and legal policies of professional education and training practice.	2.2.1, 2.2.2, 2.2.3
7. Explain legal rights that apply to individuals and practitioners within education and training settings.	6.2.2, 6.2.4, 6.2.6
8. Demonstrate ethical and legal behavior within and outside of education and training settings.	2.2.1, 2.2.2, 2.2.3; 5.4.4 6.2.2, 6.2.6
9. Describe state-specific professional development requirements to maintain employment and to advance in an education and training career.	2.1.2
10. Apply organizational skills and logic to enhance professional education and training practice.	2.1.2
11. Demonstrate group management skills that enhance professional education and training practice.	2.1.3

Administration and Administration Support Career Pathway	Performance Indicators
1. Use research-based practices to develop, communicate and enlist support for a vision of success for all learners.	2.2.4, 4.1.1, 4.2.1, 4.2.3 5.1.1, 5.3.1, 5.4.3, 5.5.4 6.2.5
2. Identify behaviors necessary for developing and sustaining a positive learning culture.	4.2.3, 5.2.1, 5.3.1, 6.2.5
3. Create instructional programs to meet the learning organization's objectives.	5.1.1
4. Identify instructional practices that meet the learning organization's objectives.	5.3.1
5. Model leadership skills for personnel in order to improve the performance of the learning organization.	6.1.1
6. Identify operations to meet the learning organization's objectives.	6.1.1
7. Plan strategically to meet the learning organization's objectives.	5.2.3, 5.3.1, 6.1.1
8. Apply internal and external resources to meet the learning organization's objectives and learner needs.	2.2.4, 3.1.2, 3.3.3, 4.1.3 4.2.1, 4.2.3, 5.4.1, 5.5.1 6.1.1, 6.2.6
9. Describe advocacy strategies to promote the learning organization's needs.	2.2.4

Professional Support Services Career Pathway	Performance Indicators
1. Identify strategies, techniques and tools used to determine the needs of diverse learners.	4.1.1, 3.2.3, 4.1.3, 4.2.1 4.2.2, 4.2.3, 5.2.1, 5.2.3 5.2.4, 5.5.4, 6.1.3, 6.2.5
2. Implement methods to enhance learner success.	4.2.1, 3.3.3, 4.1.1, 4.2.3 5.2.2, 5.2.4, 5.2.5, 5.3.1 5.4.3, 5.5.5, 6.2.1, 6.2.5
3. Identify resources and support services to meet learners' needs.	4.2.3, 5.4.1, 6.2.6
4. Identify resources and support services available in the learning organization to enhance the learning environment.	4.2.2, 4.2.3, 5.2.1, 5.4.3 6.1.3, 6.2.6

Teaching/Training Career Pathway	Performance Indicators
1. Use foundational knowledge of subject matter to plan and prepare effective instruction and design courses or programs.	5.2.4, 5.1.1, 5.1.3, 5.2.2 5.2.5, 6.2.5
2. Employ knowledge of learning and developmental theory to describe individual learners.	3.2.1, 3.2.2, 3.2.3, 3.3.1 3.3.2,
3. Use content knowledge and skills of instruction to develop standards-based goals and assessments.	3.3.3, 4.1.1, 4.2.1, 5.2.1 5.2.2, 5.2.3, 5.2.5, 5.3.2 5.4.2, 5.5.3, 6.2.5
4. Identify materials and resources needed to support instructional plans.	5.2.2, 5.2.3, 5.3.2, 5.4.2 5.5.1, 6.1.4, 6.2.5, 6.2.6
5. Establish a positive climate to promote learning.	6.2.1, 6.2.2, 4.1.3, 4.2.1 4.2.3, 5.2.1, 5.2.4, 5.4.4 6.2.3, 6.2.4, 6.2.5, 6.2.6
6. Identify motivational, social and psychological practices that guide personal conduct.	3.3.3 2.2.1, 2.2.3, 3.2.1 3.2.4, 4.1.3, 6.1.3, 6.2.1 6.2.5
7. Demonstrate organizational and relationship building skills used to manage instructional activities and related procedures.	2.2.2, 2.2.4, 4.2.2, 4.2.3 5.2.4, 6.1.1, 6.2.1, 6.2.3
8. Demonstrate flexibility and adaptability in instructional planning.	3.2.3; 4.2.2, 5.2.1, 5.2.3 5.3.1, 5.5.5 6.2.1, 6.2.5
9. Utilize assessment and evaluation tools and data to advance learner achievement and adjust instructional plans.	4.1.1, 5.5.3, 5.5.2, 5.5.5
10. Evaluate teaching and training performance indicators to determine and improve effectiveness of instructional practices and professional development.	5.5.5, 4.1.1
11. Implement strategies to maintain relationships with others to increase support for the organization.	2.2.4