

Identifier	Nevada - Grade 12 - Computer and Technology	Introduced	Completed
12 CT 1	PROBLEM SOLVING		
12 CT 1.12.1	Analyze a variety of problem-solving approaches, which can be used and combined in seeking solutions.		
12 CT 1.12.2	Develop and implement a design/problem-solving method based on a need or want.		
12 CT 2	PRODUCTIVITY TOOLS		
12 CT 2.12.1	Demonstrate advanced proficiency and accuracy in keyboarding skills.		
12 CT 2.12.2	Create a multipage document in conjunction with other tools that demonstrate the ability to type, format, edit, and print.		
12 CT 2.12.3	Create a database, define fields, enter data for multiple records, and print reports based on sort and query. Interpret report based on data.		
12 CT 2.12.4	Generate a spreadsheet including labels, values, formulas, and functions; create a chart to visually represent data. Analyze the significance of the data. Print a spreadsheet showing formulas.		
12 CT 2.12.5	Create and present a multipage, multimedia presentation incorporating three or more of the following: text, graphics, sound, animation, digital video, or linking. Analyze and critique a multimedia presentation.		
12 CT 2.12.7	Locate and evaluate sources of distance learning, telecommuting, and teleconferencing and analyze the uses of these electronic communications.		
12 CT 3	RESEARCH TOOLS		
12 CT 3.12.1	Independently identify a research topic or state a problem that clearly identifies its elements, its scope, and the expected outcomes using technology tools.		
12 CT 3.12.2	Generate a list of keywords for a research topic or problem with qualifying modifiers and conduct a search of electronic-based sources.		
12 CT 3.12.3	Utilizing different search strategies, conduct research using hyperlinks to select information for a specific topic or problem.		
12 CT 3.12.4	Organize information logically for presentation or decision making.		
12 CT 3.12.5	Compare and contrast collected information to validate its reliability, authenticity, and timeliness.		
12 CT 3.12.6	Demonstrate the ability to document all sources using an accepted standard citation format.		
12 CT 3.12.7	Given a rubric, evaluate the research process and its outcome.		
12 CT 4	TOOLS AND PROCESSES		
12 CT 4.12.1	Analyze how the development of new tools, materials, and processes is necessary to maintain and improve high productivity and quality.		
12 CT 4.12.2	Use tools to design and/or create solutions that are functional, aesthetically pleasing, demonstrate quality, and have value greater than the investment of time, energy, effort, and other resources.		
12 CT 4.12.3	Evaluate the available tools and select the appropriate tool and process that would safely accomplish the task.		
12 CT 4.12.4	Evaluate and then correct nonfunctioning technology system/subsystem areas needed to accomplish required tasks.		
12 CT 5	SYSTEMS		
12 CT 5.12.1	Interpret the ways technological systems have evolved and will continue to evolve to satisfy human needs and desires.		
12 CT 5.12.2	Demonstrate how systems are planned, organized, designed, built, and controlled.		
12 CT 5.12.3	Evaluate systems model(s) including the stages of input, processes, output, feedback, and consequences.		
12 CT 6	IMPLICATIONS ON SOCIETY		
12 CT 6.12.1	Analyze the impact of new and improved products and services on the quality of life.		
12 CT 6.12.2	Analyze how the effects of a given technology may be unacceptable under a certain set of circumstances, but acceptable under another set of circumstances.		
12 CT 6.12.3	Research and select a career choice, develop a career plan, and select the courses/program for entry-level skills (e.g., career information system).		
12 CT 6.12.4	Analyze significant events, inventions, and discoveries in the history of technology and their effects on beliefs, attitudes, and behavior in business, society, or culture.		

Identifier	Nevada - Grade 12 - Health	Introduced	Completed
12 H			
12 H 1.12.1	Assess the impact of personal history, health care choices, and the aging process on individual health.		
12 H 1.12.2	Examine the health implications of the aging process.		
12 H 1.12.3	Demonstrate knowledge of food selection and nutrient needs to personal eating decisions and meal planning.		
12 H 1.12.4	Analyze beneficial and appropriate versus harmful and inappropriate use of drugs.		
12 H 1.12.5	Identify hazardous conditions and develop appropriate intervention strategies.		
12 H 1.12.6	Analyze how research and medical advances influence the prevention and control of disease.		
12 H 1.12.7	Describe ways an individual can effectively enhance personal health and contribute to the solution of community-wide health problems.		
12 H 1.12.8	Analyze how the environment influences the health of the community.		
12 H 2.12.1	Analyze health promotion and disease prevention efforts.		
12 H 2.12.2	Critique sources of health information for accuracy.		
12 H 3.12.1	Create a school-wide plan providing for individual security and safety utilizing school and community resources.		
12 H 3.12.2	Develop knowledge and strategies for avoiding negative social situations including suicide, alcohol, tobacco, and other drugs.		
12 H 3.12.3	Apply injury prevention and management strategies to improve and maintain personal, family, and community health.		
12 H 3.12.4	Compare and contrast stress management techniques.		
12 H 4.12.1	Evaluate cultural similarities and differences and effects on health.		
12 H 4.12.2	Explore how technology is used to enhance health.		
12 H 4.12.3	Assess the impact of promotion and distribution of products and services on consumer health.		
12 H 5.12.1	Utilize skills for communicating effectively.		
12 H 5.12.2	Analyze a school plan for conflict management.		
12 H 6.12.1	Formulate an effective plan for lifelong health enhancement.		
12 H 6.12.2	Demonstrate the ability to utilize various strategies when making decisions related to health needs and risks of young adults.		
12 H 6.12.3	Utilize the decision-making process to address complex community health issues.		
12 H 7.12.1A	Identify the methods for being a responsible voice for self and others when promoting health practices in the community.		
12 H 7.12.1B	Demonstrate the ability to adapt health messages to meet the characteristics and needs of a particular audience.		

Identifier	Nevada - Grade 12 - Music	Introduced	Completed
12 Mus 1	SINGING		
12 Mus 1.12.1	Perform with technical accuracy and good breath control throughout their singing ranges.		
12 Mus 1.12.2	Perform using correct intonation, diction, tone quality, and appropriate expressive qualities in small and large ensembles with and without a conductor.		
12 Mus 1.12.3	Perform choral literature written in three/four parts with and without accompaniment.		
12 Mus 1.12.5	Perform music representing diverse genres and styles.		
12 Mus 2	PLAYING INSTRUMENTS		
12 Mus 2.12.1	Perform with expression and technical accuracy on at least one string, wind, percussion, or classroom instrument.		
12 Mus 2.12.2	Play in small and large ensembles demonstrating advanced ensemble technique.		
12 Mus 2.12.3	Perform contrapuntal ensemble literature.		
12 Mus 2.12.4	Perform a large and varied repertoire of instrumental literature representing diverse genres and styles.		
12 Mus 3	IMPROVISATION		
12 Mus 3.12.1	Improvise complex melodies in a given key.		
12 Mus 3.12.2	Improvise stylistically appropriate harmonies (e.g., 12-bar blues).		
12 Mus 3.12.3	Improvise melodic and rhythmic variations on given pentatonic melodies and melodies in major keys.		
12 Mus 4	WRITING		
12 Mus 4.12.2	Compose music in several distinct styles using the elements of music.		
12 Mus 4.12.3	Arrange a two-part piece for voices/instruments other than those for which the pieces were originally composed.		
12 Mus 5	READING		
12 Mus 5.12.1	Read complex rhythms in all meters within the context of the repertoire.		
12 Mus 5.12.2	Read complex melodies within the context of the repertoire.		
12 Mus 5.12.3	Apply standard and nonstandard music symbols within the context of the repertoire.		
12 Mus 5.12.4	Sight read in parts with technical accuracy and expression.		
12 Mus 5.12.5	Notate musical phrases using standard and nonstandard symbols (e.g., used by some 20th century composers).		
12 Mus 6	LISTENING		
12 Mus 6.12.1	Demonstrate extensive knowledge of the technical vocabulary of the elements of music in analyzing aural examples.		
12 Mus 6.12.2	Analyze examples of a varied repertoire of music representing diverse genres and cultures by describing the uses of the elements of music and expressive devices.		
12 Mus 7	EVALUATION		
12 Mus 7.12.1	Apply specific musical criteria for making informed critical evaluations of the quality and effectiveness of performance and compositions.		
12 Mus 7.12.2	Apply specific musical criteria in evaluating their own music performances and those of similar or exemplary models.		
12 Mus 8	APPLICATION TO LIFE		
12 Mus 8.12.1	Compare how the characteristics appropriate to each art form can be used to describe similar themes and cite examples (e.g., emotion, intensity).		
12 Mus 8.12.2	Analyze concepts common to music and other disciplines outside the arts (e.g., conflict resolution: English - "Romeo and Juliet"; History - The Civil War; Science - chemical reactions; Music - tension and release).		
12 Mus 9	CULTURAL AND HISTORICAL CONNECTIONS		
12 Mus 9.12.1	Classify music examples by style, historical periods, American musical history, and world cultures.		
12 Mus 9.12.2	Describe various roles that musicians play and cite the achievements of representative individuals.		

Identifier	Nevada - Grade 12 - Physical Education	Introduced	Completed
12 PE			
12 PE 1.12.1	Apply appropriate vocabulary to coordinate a class or school-wide activity (i.e., round robin tournament).		
12 PE 1.12.2	Integrate discipline-specific knowledge to new physical activities.		
12 PE 1.12.3	Analyze personal performance and apply results for improvement (i.e., lower target heart rate).		
12 PE 1.12.4	Analyze and compare health and fitness benefits derived from various physical activities.		
12 PE 2.12.2	Demonstrate proficiency in at least three movement forms in two or more sports.		
12 PE 2.12.3	Apply scientific principles to weight transfer and balance movements.		
12 PE 3.12.1A	Identify and demonstrate complex combinations of steps and patterns from different theatrical styles and/or traditional styles of dance.		
12 PE 3.12.1B	Observe and analyze the action and qualities of movement in dances using appropriate dance vocabulary.		
12 PE 3.12.4	Demonstrate rhythmic acuity.		
12 PE 3.12.5	Perform traditional and/or theatrical style dances of different time periods or cultures and compare and contrast steps and movement styles.		
12 PE 4.12.1	Refine health-related fitness goals as defined by a formal guideline.		
12 PE 4.12.2	Independently engage in physical activity that addresses fitness and wellness throughout life.		
12 PE 4.12.3	Analyze a personal healthy lifestyle independent of teacher intervention.		
12 PE 4.12.4	Evaluate physical activity for injury potential.		
12 PE 5.12.1	Anticipate and avoid potentially dangerous outcomes and consequences during participation in physical activity.		
12 PE 5.12.2	Accept leadership responsibility in a group setting.		
12 PE 5.12.3	Evaluate the role of physical activity in a diverse society (i.e., skill level, gender, race, and disability).		

Identifier	Nevada - Grade 12 - Theater	Introduced	Completed
12 Th			
12 Th 1.12.1	Write a script in proper format for stage, television, film, or electronic media using historical or cultural research as a basis for the script.		
12 Th 1.12.2	Create a theatrical performance by conducting auditions, casting characters, directing scenes, and conducting production meetings.		
12 Th 1.12.3	Explain and demonstrate knowledge of varied responsibilities of technical personnel involved in television, theater, film, or electronic media production.		
12 Th 1.12.4	Develop an aesthetically unified production for theater, film, television, or electronic media.		
12 Th 1.12.5	Create a variety of materials for a media campaign for theater, film, television, or electronic media.		
12 Th 1.12.6	Work collaboratively and safely to design and/or construct a variety of scenic devices (e.g., scenic drops).		
12 Th 1.12.7	Justify choices of costumes, make-up, and props as they relate to the interpretation of a production.		
12 Th 1.12.8	Describe and demonstrate different lighting and sound techniques and equipment for film, stage, television, or electronic media.		
12 Th 1.12.9	Design and/or use a light and/or sound plot for film, stage, television, or electronic media.		
12 Th 2.12.1	Analyze and describe the physical, emotional, and social dimensions of characters found in a variety of text.		
12 Th 2.12.2	Identify, examine, and demonstrate various classical and contemporary acting techniques and methods.		
12 Th 2.12.3	Create and sustain a character within an ensemble for stage, film, television, or electronic media.		
12 Th 3.12.1	Critique the effectiveness of the visual, aural, and kinesthetic elements of a performance.		
12 Th 3.12.2	Justify personal aesthetic criteria for critiquing a dramatized performance.		
12 Th 3.12.3	Compare and contrast classical and contemporary dramas and comedies in various media.		
12 Th 4.12.1	Compare and contrast the ways in which universal themes and archetypes in dramatized events are expressed in another culture and another historical period.		
12 Th 4.12.2	Analyze methods of conflict resolution among characters.		
12 Th 5.12.1	Analyze the ways in which common themes or stories are interpreted in works from the four arts areas.		
12 Th 5.12.2	Analyze the development of dramatic forms, production practices, and theatrical traditions across cultures and historical periods.		
12 Th 5.12.3	Evaluate different ways technology is used to enhance theater, film, and television.		

Identifier	Nevada - Grade 12 - Visual Arts	Introduced	Completed
12 VA 1	KNOWLEDGE		
12 VA 1.12.1	Justify application of media, techniques, and processes in one's own work.		
12 VA 1.12.2	Evaluate responses to one's own work and apply findings to subsequent works of art.		
12 VA 1.12.3	Create works of art that demonstrate an understanding of a variety of media, tools, techniques, and processes (e.g., traditional and emerging technologies).		
12 VA 2	APPLICATION		
12 VA 2.12.1	Defend an interpretation of visual characteristics in works of art.		
12 VA 2.12.2	Defend interpretations of purposes and/or functions in art.		
12 VA 2.12.3	Analyze the effectiveness of and relationships among visual characteristics, purposes, and/or functions in works of art.		
12 VA 2.12.4	Create artworks that manipulate visual characteristics to convey complex ideas.		
12 VA 3	CONTENT		
12 VA 3.12.1	Evaluate the significance of specific subject matter, symbols, and ideas in works of art.		
12 VA 3.12.2	Plan and produce a work of art that displays the ability to choose subject matter, symbols, and ideas to communicate intended meaning.		
12 VA 3.12.3	Evaluate and defend the validity of sources and the manner in which subject matter, symbols, and ideas are used in artworks.		
12 VA 4	CONTEXT		
12 VA 4.12.1	Analyze and interpret artworks from various cultures and times regarding context and purposes.		
12 VA 4.12.2	Analyze characteristics and interpret meaning of art from various times, cultures, and places.		
12 VA 4.12.3	Analyze their own artwork in relation to historical, aesthetic, and cultural influences.		
12 VA 5	INTERPRETATION		
12 VA 5.12.1	Evaluate artwork based on various characteristics such as themes, styles, purposes, and subject matter.		
12 VA 5.12.2	Establish criteria and use them to assess merits of artwork.		
12 VA 5.12.3	Examine and evaluate a variety of techniques for communicating meanings, ideas, attitudes, views, and intentions.		
12 VA 5.12.4	Develop a personal aesthetic position and defend its degree of success when applied to works of art.		
12 VA 6	CROSS-CURRICULAR		
12 VA 6.12.1	Analyze how ideas, issues, and themes of a particular period manifest themselves in the visual arts and make parallel connections with other disciplines.		
12 VA 6.12.2	Compare the use of materials, techniques, media, and processes of the visual arts with those of other art disciplines.		
12 VA 6.12.3	Create works of art that reflect the research of multiple disciplines.		

Identifier	Nevada - Grade 12 - Language Arts/Reading	Introduced	Completed
	READING		
12 ELA 1.12.3	Apply knowledge of Anglo-Saxon-, Greek-, and Latin-derived roots and affixes to determine the meaning of unknown vocabulary across the curriculum.		
12 ELA 1.12.4	Discern subtle differences between closely related words (e.g., thin and slender); use references as necessary.		
12 ELA 1.12.5	Apply knowledge of syntax and literary allusions to acquire an understanding of new words and to comprehend text.		
12 ELA 2.12.1	Refine prereading strategies such as accessing prior knowledge, predicting, previewing, and setting a purpose to ensure comprehension.		
12 ELA 2.12.2	Use specific repair strategies such as summarizing, clarifying ambiguities, and consulting other sources.		
12 ELA 2.12.3	Plan, monitor, and assess the strategies used to ensure comprehension of a variety of texts.		
12 ELA 3.12.1	Analyze characters, plots, setting, themes, and points of view in any given piece of literature.		
12 ELA 3.12.2	Make inferences supported by the text regarding characters, plots, settings, and themes.		
12 ELA 3.12.3	Analyze viewpoints and messages in relation to the historical and cultural context of recognized works of British, American, or world literature.		
12 ELA 3.12.4	Use textual evidence to analyze the theme or meaning of a selection.		
12 ELA 3.12.5	Analyze and evaluate ways authors use imagery, figures of speech, and sound to elicit reader response.		
12 ELA 3.12.6	Analyze how irony, tone, mood, style, syntax, and sound of language are used for rhetorical and aesthetic purposes.		
12 ELA 3.12.7	Analyze the effects of an author's choice of literary form.		
12 ELA 4.12.1; 4.12.2	Analyze text features and rhetorical strategies of different types of primary source documents (e.g., policy statements, speeches, debates, diaries, platforms) and identify how authors use the features to achieve their purposes.		
12 ELA 4.12.3	Locate, organize, interpret, and synthesize information in multiple primary and secondary sources to support ideas and positions.		
12 ELA 4.12.4	Critique the power, logic, reasonableness, and audience appeal of arguments advanced in texts.		
12 ELA 4.12.5	Analyze how historical and cultural contexts influence the content and validity of informational texts.		
12 ELA 4.12.6	Read and apply multistep directions to perform complex procedures and tasks.		
	WRITING		
12 ELA 5.12.1	Write a research paper that develops a thesis, contains information selected from at least ten sources, and conforms to a style manual.		
12 ELA 5.12.2	Produce subject-specific technical writing, such as instructions for a shop project or field reports for science.		
12 ELA 5.12.3	Write reflective texts that draw comparisons between specific incidents and broader themes.		
12 ELA 5.12.4	Write responses to literature that analyze and critique the use of imagery, language, themes, stylistic devices, and tone.		
12 ELA 5.12.5	Write summaries or abstracts that distill large amounts of information into clear, concise prose.		
12 ELA 5.12.6	Write persuasive texts that evaluate, interpret, or speculate using specific rhetorical devices to support assertions; clarify and defend positions with precise and relevant evidence.		
12 ELA 6.12.1	Generate ideas for writing by selecting appropriate prewriting strategies with attention to audience, purpose, and personal style.		
12 ELA 6.12.2	Organize ideas in compositions by selecting and applying structures such as comparison/contrast or cause/effect, which enhance the central idea, theme, or purpose.		
12 ELA 6.12.3	Write compositions that present complex ideas in a sustained and compelling manner.		
12 ELA 6.12.4	Revise writing to improve word choice, organization, and point of view, using given criteria such as rubrics or feedback from others.		
12 ELA 6.12.5	Edit for use of standard English.		
12 ELA 6.12.7	Share final drafts with a designated audience.		
12 ELA 7.12.1	Apply the rules of usage, grammar, and capitalization with few significant errors; use modifiers, parallel structure, and subordination correctly in writing.		
12 ELA 7.12.2	Use multiple structures such as inversion, parallelism, and sentences of varying lengths for stylistic effect.		
12 ELA 7.12.3	Use rules of punctuation; manipulate conventions for emphasis in writing.		
12 ELA 7.12.4	Use rules of capitalization.		
12 ELA 7.12.5	Demonstrate conventional spelling.		
	LISTENING AND SPEAKING		
12 ELA 8.12.1	Summarize and evaluate communications that inform, persuade, and entertain.		
12 ELA 8.12.2	Create and apply criteria for evaluating content and delivery of oral and multimedia presentations.		
12 ELA 8.12.3	Analyze the effects of language and dialect on audience response.		
12 ELA 9.12.1	Use specific and varied vocabulary and apply standard English to communicate ideas.		
12 ELA 9.12.2	Make formal oral or multimedia presentations, using vocabulary and public speaking techniques appropriate to audience and purpose.		
12 ELA 9.12.3	Organize and deliver planned, extemporaneous, and impromptu presentations that address a topic and engage the audience.		

Identifier	Nevada - Grade 12 - Language Arts/Reading	Introduced	Completed
12 ELA 9.12.4	Read aloud or recite literary, dramatic, and original works.		
12 ELA 10.12.1	Participate in problem-solving conversations or group discussions by identifying, synthesizing, and evaluating data.		
12 ELA 10.12.2	Negotiate to arrive at consensus by proposing and examining possible options.		
12 ELA 10.12.3	Identify and practice techniques such as setting time limits for speakers and deadlines for decision making to improve productivity of group discussions.		
12 ELA 10.12.4	Justify a position using logic and refuting opposing viewpoints.		
	RESEARCH		
12 ELA 11.12.1	Formulate cross-curricular research questions and use an appropriate research design to gather information.		
12 ELA 11.12.2	Evaluate possible sources of information for credibility and usefulness.		
12 ELA 11.12.3	Cite sources of information using a standard method of documentation.		
12 ELA 11.12.5	Organize and present research findings using appropriate media.		

Identifier	Lander - Grade 12 - Language Arts/Reading	Introduced	Completed
12ELA1	WORD KNOWLEDGE		
12ELA1.1	Manipulate words and word parts for the purpose of using words appropriately in context		
12ELA1.2	Use context clues to determine word meaning		
12ELA1.3	Apply knowledge of syntax and literary allusions to understand word meaning		
12ELA2	THE READING PROCESS		
12ELA2.1	Apply reading process skills and strategies to aid comprehension		
12ELA2.2	Evaluate main ideas and supporting details		
12ELA2.3	Make inferences and draw conclusions based on textual evidence		
12ELA2.4	Make predictions		
12ELA2.5	Interpret non-literal language		
12ELA3	GRAMMAR, USAGE, AND MECHANICS		
12ELA3.1	Write using standard English grammar, usage, and mechanics		
12ELA3.2	Write sentences that demonstrate variety, interest, and emphasis		
12ELA3.3	Revise and edit for errors in syntax, usage, and mechanics		
12ELA3.4	Polish individual writing style by avoiding errors such as unclear pronoun reference, unnecessary shifts in verb tense, misplaced modifiers, wordiness, lack of parallelism, and misused words and idioms		
12ELA3.5	Use effective transitions in writing		
12ELA4	COMPOSITION		
12ELA4.1	Apply the five stages of the writing process		
12ELA4.2	Write with clarity and express ideas concisely		
12ELA4.3	Write various forms of technical and business communication		
12ELA4.4	Write various forms of personal communication		
12ELA4.5	Write for a variety of purposes and audiences		
12ELA4.6	Write compositions that support a thesis with sufficient meaningful details and an effective conclusion		
12ELA4.7	Write persuasive, expository, narrative, and descriptive compositions		
12ELA4.8	Paraphrase, summarize, and synthesize information in writing		
12ELA4.9	Write a research paper citing sources according to a given format		
12ELA5	LITERATURE/INFORMATIONAL TEXT		
12ELA5.1	Read, respond to, and analyze contemporary and classic fiction, nonfiction, drama, and poetry		
12ELA5.2	Analyze the elements of various types of literature		
12ELA5.3	Recognize and interpret poetic and literary devices		
12ELA5.4	Identify author's purpose or viewpoint		
12ELA5.5	Analyze the use of text features and rhetorical strategies in primary source documents		
12ELA5.6	Synthesize multiple primary and secondary sources to support positions		
12ELA6	COMMUNICATION/STUDY SKILLS		
12ELA6.1	Apply standard English to communicate		
12ELA6.2	Employ appropriate speaking and listening techniques in a variety of formal and informal speaking situations		
12ELA6.3	Coherently and concisely defend responses and opinions in a discussion		
12ELA6.4	Design and apply criteria for giving constructive feedback		
12ELA6.5	Participate as a member of a team to solve problems, find solutions, and work toward consensus		
12ELA6.6	Apply effective reading strategies, study habits, and test-taking skills		
12ELA6.7	Take organized notes from lectures, texts, and various media		
12ELA6.8	Summarize and evaluate communications that inform, persuade, and entertain		

Identifier	Nevada - Grade 12 - Mathematics	Introduced	Completed
12 M 1	NUMBERS, NUMBER SENSE, AND COMPUTATION		
12 M 1.12.1	Calculate and estimate sums, differences, products, quotients, powers, and roots using mental math, formulas, and algorithms.		
12 M 1.12.2	Apply the laws of exponents to perform operations on expressions with integral exponents and expressions in scientific notation.		
12 M 1.12.3	Apply the properties and theories of the real-number system to everyday situations.		
12 M 1.12.5	Perform simple operations on matrices.		
12 M 2	PATTERNS, FUNCTIONS, AND ALGEBRA		
12 M 2.12.2	Represent and solve problems using discrete structures including graphs and matrices, with and without technology.		
12 M 2.12.3	Create and use different forms of a variety of equations, proportions, and/or formulas (e.g., $I = PRT$ or $R = I/PT$), solving for the needed variable as necessary in given situations.		
12 M 2.12.4	Add, subtract, multiply, and factor (1st and 2nd degree) polynomials, describing each step in the process and the connection between the algebraic process and the arithmetic process; use simple quadratic equations with integer roots to solve practical and mathematical problems.		
12 M 2.12.5	Model practical problems from everyday situations with a variety of models that includes matrices, translating among tabular, symbolic, and graphical representations of functions, with and without technology.		
12 M 2.12.6	Determine the domain and range of linear relations given a graph or a set of ordered pairs; explain their importance in problem-solving situations.		
12 M 2.12.7	Solve systems of two linear equations, both algebraically and graphically; use graphing calculators as a primary tool in solving these problems and to verify solutions found by other methods.		
12 M 3	MEASUREMENT		
12 M 3.12.1	Convert between customary and metric systems; convert among monetary systems.		
12 M 3.12.2	Select and use measurement tools, techniques, and formulas to calculate and compare rates, cost, distances, interest, temperatures, and weight/mass.		
12 M 3.12.3	Distinguish and differentiate among the structures, language, and uses of systems of measures (e.g., linear, square units, cubic units); justify and communicate the differences between accuracy, precision, error, and tolerance in measurement; describe how each of these can affect solutions found in problem situations.		
12 M 3.12.4	Use and interpret consumer data (e.g., amortization tables, tax tables, and compound-interest charts) to make informed financial decisions related to practical applications such as budget.		
12 M 3.12.5	Use relationships (e.g., proportions) and formulas (indirect measurement) to determine the measurement of unknown dimensions, angles, areas, and volumes to solve problems.		
12 M 4	SPATIAL RELATIONSHIPS AND GEOMETRY		
12 M 4.12.1	Identify and use the properties of polygons (including interior and exterior angles) and elements of circles (e.g., angles, arcs, chords, secants, and tangents) to solve practical problems.		
12 M 4.12.5	Use coordinate geometry to graph linear equations, determine slopes of lines, identify parallel and perpendicular lines, and find possible solutions to sets of equations; use algebraic techniques to solve problems determined by geometric relationships.		
12 M 4.12.6	Use complementary and supplementary angles, congruent angles, vertical angles, angles formed when parallel lines are cut by a transversal, and angles in polygons to solve practical problems.		
12 M 4.12.7	Apply the Pythagorean theorem, its converse, properties of special right triangles, and right-triangle trigonometry to solve practical problems.		
12 M 4.12.8	Use tools, technology, and models to sketch, draw, and construct geometric figures in order to solve problems and to demonstrate the properties of geometric figures.		
12 M 4.12.9	Construct, justify, and defend mathematical conclusions using logical, sequential, deductive reasoning supported by established mathematical principles.		
12 M 5	DATA ANALYSIS		
12 M 5.12.1	Use calculators and computers to create and manipulate tables, graphs, and matrices to communicate statistical information; use the shape of graphs of normal distributions to compare and analyze information.		
12 M 5.12.2	Design, conduct, analyze, and communicate the results of multistage probability experiments.		
12 M 5.12.3	Distinguish between and apply permutations and combinations using a variety of methods, including the fundamental counting principle.		
12 M 5.12.4	Select and use the measures of central tendency such as mean, median, mode, and variability including range, distribution, and possible outliers that are appropriate for given situations.		
12 M 5.12.5	Analyze the validity of statistical conclusions noting various sources of bias, misuse, and abuse of data caused by a wide variety of factors including choices of scale, probability versus odds, inappropriate uses of measures of central tendency, inaccurate curve fitting, and inappropriate uses of controls or sample groups.		
12 M 5.12.6	Design, construct, analyze, and select an appropriate type of graph to represent data to communicate the results of statistical experiments (e.g., write a survey question and analyze and communicate the findings).		
12 M 6	PROBLEM SOLVING		
12 M 6.12.1	Select, modify, develop, and apply strategies to solve a variety of mathematical and practical problems and to investigate and understand mathematical concepts.		
12 M 6.12.2	Apply previous experience and knowledge to new problem-solving situations.		
12 M 6.12.5	Verify, interpret, and evaluate results with respect to the original problem situation, determining an efficient strategy for the given situation.		
12 M 6.12.6	Try more than one strategy when the first strategy proves to be unproductive.		
12 M 6.12.7	Apply multistep, integrated, mathematical problem-solving strategies, persisting until a solution is found or until it is clear that no solution exists.		
12 M 6.12.9	Generalize solutions and strategies from earlier problems to new problem situations.		
12 M 6.12.10	Interpret and solve a variety of mathematical problems by paraphrasing, identifying necessary and extraneous information, selecting and justifying efficient methods and/or strategies, and ensuring the answer is reasonable.		
12 M 6.12.11	Apply combinations of proven strategies and previous knowledge to solve nonroutine problems.		
12 M 6.12.13	Use technology, including calculators, to solve problems and verify solutions.		
12 M 6.12.14	Use technology, including calculators, to investigate, define, and describe quantitative relationships such as patterns and functions.		
12 M 7	MATHEMATICAL COMMUNICATION		
12 M 7.12.1	Discuss and exchange ideas about mathematics as a part of learning.		
12 M 7.12.2	Use inquiry techniques (e.g., discussion, questioning, research, data gathering) to solve mathematical problems.		
12 M 7.12.3	Read expository text to learn about mathematics.		
12 M 7.12.6	Interpret and solve word problems without the necessity of key words or phrases.		
12 M 7.12.9	Model and explain mathematical relationships using oral, written, graphical, and algebraic methods.		
12 M 7.12.10	Evaluate the effectiveness of written and oral presentations of mathematics.		
12 M 7.12.11	Make conjectures and present arguments in discussions of mathematical ideas.		

Identifier	Nevada - Grade 12 - Mathematics	Introduced	Completed
12 M 7.12.14	Explain and evaluate thinking about mathematical ideas and solutions based on the roles of definitions, properties, common rules, and symbols in solving problems.		
12 M 7.12.15	Use everyday language to explain thinking about strategies and solutions to mathematical problems.		
12 M 7.12.16	Express mathematical ideas and use them to define, compare, and solve problems orally and in writing.		
12 M 7.12.17	Use mathematical notation to communicate and explain mathematical situations.		
12 M 8	MATHEMATICAL REASONING		
12 M 8.12.3	Construct, justify, and defend mathematical conclusions, using logical arguments, in situations related to mathematics, science, and technology.		
12 M 8.12.4	Use patterns and relationships to analyze mathematical situations; draw logical conclusions about mathematical problems.		
12 M 8.12.5	Follow a logical argument and judge its validity.		
12 M 8.12.7	Recognize and apply deductive and inductive reasoning in both concrete and abstract contexts.		
12 M 8.12.8	Ask questions to reflect on, clarify, and extend thinking.		
12 M 8.12.9	Review and refine the assumptions and steps used to derive conclusions in mathematical arguments.		
12 M 8.12.10	Construct valid arguments; make and test conjectures about algebraic and geometric properties based on mathematical principles.		
12 M 8.12.11	Determine relevant, irrelevant, and/or sufficient information to solve mathematical problems.		
12 M 9	MATHEMATICAL CONNECTIONS		
12 M 9.12.1	Link new concepts to prior knowledge.		
12 M 9.12.2	Use mathematical ideas from one area of mathematics to explain an idea from another area of mathematics.		
12 M 9.12.3	Use models to explain the relationship of concepts to procedures.		
12 M 9.12.4	Use the connections among mathematical topics to develop multiple approaches to problems.		
12 M 9.12.6	Use and analyze the connections between mathematics and other disciplines.		
12 M 9.12.7	Apply mathematical thinking and modeling to solve problems that arise in other disciplines (e.g., rhythm in music and motion in science).		
12 M 9.12.8	Identify, explain, and use mathematics in everyday life.		

Identifier	Lander - Grade 12 - Mathematics	Introduced	Completed
12M1	RELATIONS AND FUNCTIONS		
12M1.1	Solve problems involving equations and inequalities using algebraic techniques		
12M1.2	Graph functions and their inverses		
12M1.3	Compare relationships among families of lines, and the effects of changing the parameters of an equation		
12M1.4	Solve and graph systems of equations and inequalities		
12M1.5	Create mathematical models including matrices to solve real-world problems		
12M1.6	Solve problems involving real and complex numbers: exponential and logarithmic equations, literal exponents, and radicals		
12M2	GEOMETRY AND ALGEBRA CONNECTIONS		
12M2.1	Solve real-world application problems using linear programming techniques		
12M2.2	Analyze the nature of roots		
12M2.3	Compare the effect of parameter changes on a graph		
12M2.4	Model and solve algebraic problems involving geometric properties		
12M2.5	Solve problems using finite and infinite series and sequences		
12M2.6	Develop the concept of a limit through converging and diverging series		
12M3	DATA ANALYSIS, PROBABILITY, AND STATISTICS CONNECTIONS		
12M3.1	Collect, organize, and analyze data using a variety of statistical techniques		
12M3.2	Interpret and predict events		
12M3.3	Solve real-world problems using technology		
12M4	PROBLEM SOLVING		
12M4.1	Select, modify, develop, and apply strategies to solve a variety of mathematical and practical problems and to investigate and understand mathematical concepts		
12M4.2	Apply previous experience and knowledge to new problem-solving situations		
12M4.3	Verify, interpret, and evaluate results with respect to the original problem situation, determining an efficient strategy for the given situation		
12M4.4	Try more than one strategy when the first strategy proves to be unproductive		
12M4.5	Generalize solutions and strategies from earlier problems to new problem situations		
12M4.6	Interpret and solve a variety of mathematical problems by paraphrasing, identifying necessary and extraneous information, selecting and justifying efficient methods and/or strategies, and ensuring the answer is reasonable		
12M4.7	Use technology, including calculators, to understand quantitative relationships (e.g., for skip counting and pattern exploration)		
12M4.8	Use technology, including calculators, to investigate, define, and describe qualitative relationships such as patterns and functions		
12M4.9	Solve real-world problems using appropriate formulas, relations, and functions, and properties		
12M4.10	Solve real-world problems using direct and indirect methods		
12M4.11	Solve real-world problems using appropriate strategies and tools		
12M4.12	Generalize conclusions, make inferences, and justify reasonableness of mathematical problems		
12M5	MATHEMATICAL COMMUNICATION		
12M5.1	Use inquiry techniques (e.g., discussion, questioning, research, data gathering) to solve mathematical problems		
12M5.2	Identify and translate key words and phrases that imply mathematical operations		
12M5.3	Use physical materials, diagrams, models, pictures, writing, and tables to represent and then communicate mathematical ideas through oral, verbal, and written formats		
12M5.4	Explain and justify thinking about mathematical ideas and solutions		
12M5.5	Make conjectures and present arguments in discussions of mathematical ideas		
12M5.6	Use everyday language to explain thinking about strategies and solutions to mathematical problems		
12M5.7	Express mathematical ideas and use them to define, compare, and solve problems orally and in writing		
12M5.8	Use mathematical notation to communicate and explain mathematical situations		
12M6	MATHEMATICAL REASONING		
12M6.1	Use patterns and relationships to analyze mathematical situations; draw logical conclusions about mathematical problems		
12M6.2	Apply deductive and inductive reasoning in mathematical situations to extend logical reasoning		
12M6.3	Ask questions to reflect on, clarify, and extend thinking		
12M6.4	Determine relevant, irrelevant, and/or sufficient information to solve mathematical problems		
12M7	MATHEMATICAL CONNECTIONS		
12M7.1	Link new concepts to prior knowledge		
12M7.2	Use mathematical ideas from one area of mathematics to explain an idea from another area of mathematics		
12M7.3	Use models to explain the relationship of concepts to procedures		
12M7.4	Identify practical applications of mathematical principles that can be applied to other disciplines		
12M7.5	Apply mathematical thinking and modeling to solve problems that arise in other disciplines (e.g., rhythm in music and motion in science)		
12M7.6	Identify, explain, and use mathematics in everyday life		

Identifier	Nevada - Grade 12 - Social Studies		Introduced	Completed
12 SS C	CIVICS			
12 SS C 1.12.1	Rules and Law	Explain the concept of the rule of law in the establishment of the U.S. Constitution.		
12 SS C 1.12.2	Rules and Law	Explain the influence of social contract theory, natural rights philosophy, and republicanism in the Declaration of Independence, the Articles of Confederation, and the U.S. Constitution.		
12 SS C 1.12.3	Rules and Law	Describe the historic influences on early U.S. documents, such as Greek law, Magna Carta, and Iroquois League.		
12 SS C 1.12.4	Rules and Law	Analyze the role of citizen participation in U.S. civic life.		
12 SS C 1.12.5	Rules and Law	Identify and explain changes in the interpretation and application of the U.S. Constitution.		
12 SS C 2.12.1	US Government	Examine the organization of the U.S. Constitution and describe the structure it creates, including the executive, legislative, and judicial branches.		
12 SS C 2.12.2	US Government	Describe the creation of laws through the legislative process.		
12 SS C 2.12.3	US Government	Analyze and give examples of the expansion of the national government through the application of the enumerated and implied powers.		
12 SS C 2.12.4	US Government	Describe the duties of the executive branch, including cabinet/departments, regulatory commissions, and White House staff.		
12 SS C 2.12.5	US Government	Describe the jurisdiction of the federal court system and the power of judicial review.		
12 SS C 2.12.6	US Government	Explain the importance of the jury process in a democratic society.		
12 SS C 2.12.7	US Government	Analyze the effectiveness of checks and balances in maintaining the equal division of power.		
12 SS C 3.12.1	National and State Government	Explain the U.S. Constitutional provisions for division of powers between the state and national governments (delegated, reserved, concurrent powers).		
12 SS C 3.12.2	National and State Government	Provide contemporary example of federalism.		
12 SS C 3.12.3	National and State Government	Use examples to illustrate the supremacy clause in defining the relationship between state and national governments.		
12 SS C 4.12.1	Political Process	Assess the processes by which leaders are selected in the U.S. political system and analyze the role of the electoral college system in the election of the President.		
12 SS C 4.12.2	Political Process	Analyze the roles and function of factions within political parties and the role of parties in public policy and politics.		
12 SS C 4.12.3	Political Process	Evaluate the significance of interest groups in the political process of a democratic society.		
12 SS C 4.12.4	Political Process	Analyze the role that television and other media play in the process of political persuasion.		
12 SS C 4.12.5	Political Process	Evaluate propaganda in both historic and current political communication.		
12 SS C 4.12.6	Political Process	Describe the process by which public policy is formed and carried out.		
12 SS C 5.12.1	Citizenship	Examine the rights of citizens and how these rights may be restricted.		
12 SS C 5.12.2	Citizenship	Examine the responsibilities of U.S. citizens.		
12 SS C 5.12.3	Citizenship	Explain symbols and documents of a nation and how they represent its identity.		
12 SS C 5.12.4	Citizenship	Describe the development of the Bill of Rights and provide a contemporary application.		
12 SS C 5.12.5	Citizenship	Analyze the United States Constitution and its amendments in protecting individual rights, including the 14th Amendment's provisions for due process and equal protection.		
12 SS C 5.12.6	Citizenship	Identify major conflicts in social, political, and economic life and analyze the role of compromise in the resolution of these issues.		
12 SS C 5.12.7	Citizenship	Describe the role of the United States Supreme Court as guardian of individual rights through the examination of landmark cases, including Brown v. Board of Education of Topeka, Gideon v. Wainwright, Miranda v. Arizona, and Tinker v. Des Moines Independent Community School District.		
12 SS C 6.12.1	State and Local Government	Explain the structure and function of state and local governments.		
12 SS C 6.12.2	State and Local Government	Describe the unique role of tribal governments within the United States.		
12 SS C 6.12.3	State and Local Government	Compare and contrast the structure of the Nevada and United States Constitutions.		
12 SS C 6.12.4	State and Local Government	Describe the differences between the local, state, and federal court systems.		
12 SS C 7.12.1	Political and Economic Systems	Summarize and evaluate the significant characteristics of the world's major political systems, including monarchy, totalitarian dictatorship, presidential system, parliamentary system, and communism.		
12 SS C 7.12.2	Political and Economic Systems	Define and analyze the major economic systems of the world, including capitalism, mixed economy, socialism, and command economy.		
12 SS C 8.12.1	International Relations	Analyze the conflict between U.S. policies of isolationism versus intervention in world affairs.		
12 SS C 8.12.2	International Relations	Identify and analyze the effectiveness of U.S. foreign policy in dealing with international problems and concerns including diplomacy, economic policy, humanitarian aid, and military intervention.		
12 SS C 8.12.3	International Relations	Critique the role of international organizations, such as the United Nations and nongovernmental organizations, in world affairs.		
12 SS E	ECONOMICS			

Identifier	Nevada - Grade 12 - Social Studies		Introduced	Completed
12 SS E 1.12.1	Economic Way of Thinking	Explain why choices and their costs may differ across individuals and societies.		
12 SS E 1.12.2	Economic Way of Thinking	Recognizing that people act out of self-interest, predict how a change in the economic environment will affect the choices made by consumers, producers, and savers.		
12 SS E 1.12.3	Economic Way of Thinking	Examine decisions made by individuals, businesses, and government by comparing the marginal benefits and marginal costs.		
12 SS E 1.12.4	Economic Way of Thinking	Give examples of and evaluate the effectiveness of incentive systems used by parents, teachers, and employers.		
12 SS E 2.12.1	Measuring US Economic Performance	Explain the difference between nominal GDP and real GDP.		
12 SS E 2.12.2	Measuring US Economic Performance	Using real GDP per capita as a measure of the standard of living, describe how living standards have changed over time.		
12 SS E 2.12.3	Measuring US Economic Performance	Using the change in real GDP, examine the U.S. economy over time, identifying recessions and high and low rates of growth.		
12 SS E 2.12.4	Measuring US Economic Performance	Using a price index to measure inflation, identify when the U.S. economy has experienced high and low rates of inflation and discuss their effects.		
12 SS E 2.12.5	Measuring US Economic Performance	Use various price indexes to determine how the prices of different types of goods and services have changed.		
12 SS E 2.12.6	Measuring US Economic Performance	Explain and give examples of the costs of unemployment to the economy as a whole (e.g., lost income, lost tax revenue, and additional welfare burdens).		
12 SS E 2.12.7	Measuring US Economic Performance	Compare the unemployment rates for groups of people who differ by age, gender, ethnic origin, occupation, and educational attainment.		
12 SS E 2.12.8	Measuring US Economic Performance	Explain why a real interest rate accurately measures the benefit of saving or the cost of borrowing.		
12 SS E 2.12.9	Measuring US Economic Performance	Demonstrate knowledge of when interest rate levels have experienced relative highs and relative lows throughout U.S. history and discuss their effects.		
12 SS E 2.12.10	Measuring US Economic Performance	Characterize career paths according to the rates of growth and employment.		
12 SS E 2.12.11	Measuring US Economic Performance	Explain ways a high interest rate could be detrimental or beneficial.		
12 SS E 2.12.12	Measuring US Economic Performance	Evaluate saving and borrowing options in terms of interest and compare long- and short-term costs and benefits.		
12 SS E 3.12.1	Functioning of Markets	Demonstrate an understanding that all voluntary trade, by definition, benefits both parties.		
12 SS E 3.12.2	Functioning of Markets	Use the concepts of supply and demand to analyze and predict the price changes occurring in markets for goods and services.		
12 SS E 3.12.3	Functioning of Markets	Use the concept of price elasticity to analyze how buyers and sellers might adjust their purchase and sales decisions in response to price changes.		
12 SS E 3.12.4	Functioning of Markets	Discuss the effects of price controls (price ceilings and price floors) (e.g., minimum wage, rent control).		
12 SS E 3.12.5	Functioning of Markets	Use supply and demand to explain how interest rates are determined.		
12 SS E 3.12.6	Functioning of Markets	Analyze and predict instances in which people pay high and low interest rates (e.g., car loans and credit cards).		
12 SS E 3.12.7	Functioning of Markets	Analyze family spending decisions, drawing conclusions about the desirability of making substitutions, given the relative prices of various substitutes.		
12 SS E 4.12.1	Private US Economic Institutions	Analyze the roles of financial institutions in creating credit.		
12 SS E 4.12.2	Private US Economic Institutions	Discuss how labor unions affect employees and employers.		
12 SS E 4.12.3	Private US Economic Institutions	Identify current or historical mergers, buyouts, and acquisitions.		
12 SS E 4.12.4	Private US Economic Institutions	Explain how the services of not-for-profit organizations impact other economic institutions.		
12 SS E 4.12.5	Private US Economic Institutions	Compare and contrast the services offered by financial institutions, evaluating their usefulness to borrowers and lenders.		
12 SS E 4.12.6	Private US Economic Institutions	Compare and contrast careers associated with financial institutions, labor unions, for-profit business organizations, and not-for-profit organizations.		
12 SS E 5.12.1	Money	Explain the three functions of money: medium of exchange, store of value, unit of account.		
12 SS E 5.12.2	Money	Explain why the money supply increases when banks make loans.		
12 SS E 5.12.3	Money	Explain how the Federal Reserve influences bank loan activity using the reserve requirement, discount rate, and open market operations.		
12 SS E 5.12.4	Money	Describe the nation's current money supply measures, including M1 and M2.		
12 SS E 5.12.5	Money	Explain what a credit rating is and how it affects access to money.		
12 SS E 6.12.1	US Economy as a Whole	Compare the benefits and costs of allocating resources through markets or government.		
12 SS E 6.12.2	US Economy as a Whole	Discuss how an economy determines what goods and services will be produced, how they will be produced, and who will receive them.		
12 SS E 6.12.3	US Economy as a Whole	Analyze the potential production of goods and services for a nation as determined by its resources and technology.		
12 SS E 6.12.4	US Economy as a Whole	Use the multiplier concept to explain why an initial change in spending (by consumers, firms, or governments) can result in a larger change in national income.		

Identifier	Nevada - Grade 12 - Social Studies		Introduced	Completed
12 SS E 6.12.5	US Economy as a Whole	Make connections between the nation's unemployment rate and changes in seasons, changes in an industry, and changes in demographics.		
12 SS E 6.12.6	US Economy as a Whole	Explain how and why changes in product demand can affect the price of the product, which in turn can affect the wages paid to a worker.		
12 SS E 6.12.7	US Economy as a Whole	Assess the attractiveness of career paths of interest and how they might be affected by changes in the national economy.		
12 SS E 7.12.1	Evolving Economy	Describe the past, present, and future role of investment in enhancing economic growth and raising living standards.		
12 SS E 7.12.2	Evolving Economy	Identify the benefits and the costs of investing in new physical capital and human capital.		
12 SS E 7.12.3	Evolving Economy	Examine government's impact on investment through taxes, fees, government regulation, enterprise zones, and subsidies.		
12 SS E 7.12.4	Evolving Economy	Discuss how entrepreneurs affect the economy by solving problems, taking risks, and taking advantage of opportunities to earn profits.		
12 SS E 7.12.5	Evolving Economy	Explain how individual self-interest, channeled through the marketplace, can increase the overall standard of living.		
12 SS E 7.12.6	Evolving Economy	Discuss the pros and cons of specialization and interdependence.		
12 SS E 7.12.7	Evolving Economy	Explain why top performers in any field are specialists.		
12 SS E 8.12.1	Role of Government in a Market Economy	Explain why government provides public goods rather than allowing the market to provide them.		
12 SS E 8.12.2	Role of Government in a Market Economy	Explain why government intervenes in markets in response to externalities.		
12 SS E 8.12.3	Role of Government in a Market Economy	Discuss whether redistributing income is an appropriate role of government.		
12 SS E 8.12.4	Role of Government in a Market Economy	Demonstrate an understanding that government must define, establish, and enforce property rights in order for markets to function.		
12 SS E 8.12.5	Role of Government in a Market Economy	Explain why it is possible that a government decision may impose costs on many, but only benefit a few.		
12 SS E 8.12.6	Role of Government in a Market Economy	Explain how fiscal policy affects production, employment, and price levels (e.g., the effects of changes in government spending and taxation).		
12 SS E 8.12.7	Role of Government in a Market Economy	Give examples of mandates that increase prices of goods and services in Nevada.		
12 SS E 9.12.1	International Economy	Analyze the pros and cons of foreign trade, comparing free trade with restricted trade.		
12 SS E 9.12.2	International Economy	Describe how foreign economic events can impact the U.S. economy.		
12 SS E 9.12.3	International Economy	Describe some characteristics of non-U.S. economies that affect international trade.		
12 SS E 9.12.4	International Economy	Determine how a change in exchange rates affects the ability of residents of one country to consume products from other countries.		
12 SS E 9.12.5	International Economy	Draw conclusions about how the prices of goods you purchase would change if imports were restricted.		
12 SS E 9.12.6	International Economy	Discuss how potential career paths could be affected by changes in foreign demand for U.S. products.		
12 SS G	GEOGRAPHY			
12 SS GS.12.1	Geographic Skills	Plan and organize a geographic research project by asking appropriate geographic questions.		
12 SS GS.12.2	Geographic Skills	Locate and acquire a variety of primary and secondary information sources and assess the value of each.		
12 SS GS.12.3	Geographic Skills	Use a variety of tools and technologies to select and design appropriate forms of maps, graphs, diagrams, tables, or charts to organize geographic information.		
12 SS GS.12.4	Geographic Skills	Use quantitative methods of analysis to make inferences and draw conclusions from maps and other geographic representations.		
12 SS GS.12.5	Geographic Skills	Complete a geographic inquiry by applying geographic models, generalizations, and theories to the analysis, interpretation, and presentation of information.		
12 SS G 1.12.1	World in Spatial Terms	Use a variety of complex maps to acquire geographic information (e.g., topographic, population, and land use).		
12 SS G 1.12.2	World in Spatial Terms	Select appropriate maps, map projections, and other representations to analyze and interpret geographic information.		
12 SS G 1.12.3	World in Spatial Terms	Use appropriate geographic tools and technologies to analyze and interpret Earth's physical and human systems.		
12 SS G 1.12.4	World in Spatial Terms	Construct complex, accurate maps and models from memory to answer questions about the location of human and physical features.		
12 SS G 1.12.5	World in Spatial Terms	Analyze maps for similarities and differences in purpose, accuracy, content, and design.		
12 SS G 1.12.6	World in Spatial Terms	Apply concepts and models of spatial organization to make decisions about geographic information.		
12 SS G 2.12.1	Places and Regions	Determine how relationships between humans and the physical environment lead to the development of and connections among places and regions.		
12 SS G 2.12.2	Places and Regions	Explain why places and regions are important to cultural identity and can serve as forces for both unification and fragmentation.		
12 SS G 2.12.3	Places and Regions	Compare and contrast the characteristics of places and regions from different points of view.		
12 SS G 2.12.4	Places and Regions	Determine how technology affects the way cultural groups perceive and use places and regions.		

Identifier	Nevada - Grade 12 - Social Studies		Introduced	Completed
12 SS G 2.12.5	Places and Regions	Analyze selected historical issues and questions using the geographic concept of regions.		
12 SS G 2.12.6	Places and Regions	Analyze why places and regions once characterized by one set of criteria may be defined by a different set of criteria today, and evaluate these changes.		
12 SS G 2.12.7	Places and Regions	Apply the concept of region to organize and study a geographic issue.		
12 SS G 3.12.1	Physical Systems	Describe and analyze how interactions of the four basic physical systems (atmosphere, biosphere, lithosphere, and hydrosphere) affect different regions of the U.S. and the world.		
12 SS G 3.12.2	Physical Systems	Describe the causes and consequences of natural hazards that shape features and patterns on Earth.		
12 SS G 3.12.3	Physical Systems	Analyze the effects of physical and human forces on interdependence within ecosystems.		
12 SS G 3.12.4	Physical Systems	Analyze the biodiversity, distribution, and productivity of ecosystems across Earth's surface.		
12 SS G 3.12.5	Physical Systems	Propose solutions to environmental problems using the concept of ecosystems.		
12 SS G 4.12.1	Human Systems	Analyze demographic trends in world population.		
12 SS G 4.12.2	Human Systems	Evaluate the impact of migration and settlement on physical and human systems.		
12 SS G 4.12.3	Human Systems	Analyze how history has been affected by the movement of people, goods, and ideas.		
12 SS G 4.12.4	Human Systems	Compare the characteristics and patterns of migration and settlement in developing and developed countries.		
12 SS G 4.12.5	Human Systems	Analyze how location and distance connect and influence economic systems at local, national, and international levels.		
12 SS G 4.12.6	Human Systems	Analyze and evaluate international economic issues from a spatial perspective.		
12 SS G 4.12.7	Human Systems	Relate the level of economic development to the quality of life in developing and developed countries.		
12 SS G 4.12.8	Human Systems	Evaluate the changes that occur in the size and structure of cultural, political, and economic organizations.		
12 SS G 4.12.9	Human Systems	Analyze how different cultures, points of view, and self-interests influence conflict and cooperation over territory and resources.		
12 SS G 4.12.10	Human Systems	Describe the forces of conflict and cooperation as they affect the way the world is divided among independent nations.		
12 SS G 5.12.1	Environment and Society	Compare and contrast how changes in the physical environment can increase or diminish its capacity to support human activity.		
12 SS G 5.12.2	Environment and Society	Evaluate strategies to respond to constraints placed on human systems by the physical environment.		
12 SS G 5.12.3	Environment and Society	Describe the ways in which technology has affected the human capacity to modify the physical environment and evaluate the possible regional or global impact.		
12 SS G 5.12.4	Environment and Society	Develop possible responses to changes caused by human modification of the physical environment.		
12 SS G 5.12.5	Environment and Society	Analyze human perception of and response to natural hazards.		
12 SS G 5.12.6	Environment and Society	Analyze the patterns of use, the changing distribution, and the relative importance of Earth's resources.		
12 SS G 5.12.7	Environment and Society	Develop policies for the use and management of Earth's resources that consider the various interests involved.		
12 SS G 6.12.1	Geographic Applications	Analyze the ways in which physical features and human characteristics of places and regions have influenced the evolution of significant historical events.		
12 SS G 6.12.2	Geographic Applications	Relate current events to the physical features and human characteristics of places and regions.		
12 SS G 6.12.3	Geographic Applications	Evaluate a contemporary issue using geographic knowledge, skills, and perspectives.		
12 SS G 6.12.4	Geographic Applications	Predict possible outcomes and develop future policies for local or regional issues that have spatial dimensions.		
12 SS H	HISTORY			
12 SS H 1.12.1	Chronology	Analyze and develop a position on a current event.		
12 SS H 1.12.2	Chronology	Explain the sequence and relationship of events on tiered time lines.		
12 SS H 2.12.1	History Skills	Frame and evaluate historical questions from multiple viewpoints.		
12 SS H 2.12.2	History Skills	Integrate, analyze, and organize historical information from a variety of sources.		
12 SS H 2.12.3	History Skills	Analyze and interpret historical content from informational tools, including charts, diagrams, graphs, maps, political cartoons, photographs, and tables.		
12 SS H 3.12.1	Prehistory to 400 CE	Identify and describe the characteristics of preagricultural societies.		
12 SS H 3.12.2	Prehistory to 400 CE	Describe technological innovations of early agricultural societies, including development of agriculture, domestication of animals, and development of permanent communities.		
12 SS H 3.12.3	Prehistory to 400 CE	Explain and demonstrate how geography influenced the political, social, and economic growth of ancient classical civilizations, including Africa, China, Greece, India, Mesopotamia, and Rome.		
12 SS H 3.12.4	Prehistory to 400 CE	Describe the unique political, economic, religious, social, technological, and cultural contributions of ancient and classical civilizations, including Africa, the Americas, China, Greece, Hebrew kingdoms, India, Mesopotamia, Phoenicia, and Rome.		

Identifier	Nevada - Grade 12 - Social Studies		Introduced	Completed
12 SS H 4.12.1	1 CE to 1400	Locate and describe civilizations in terms of geography, social structure, religion, political systems, and contributions, including African, Byzantine, Chinese, Indian, Japanese, and Scandinavian.		
12 SS H 4.12.2	1 CE to 1400	Describe the characteristics of the Mayan, Aztec, and Incan civilizations, including contributions, geography, political systems, religion, and social structure.		
12 SS H 4.12.3	1 CE to 1400	Describe the origin, traditions, customs, and spread of western and eastern world religions, including Buddhism, Christianity, Hinduism, Islam, and Judaism.		
12 SS H 4.12.4	1 CE to 1400	Describe the characteristics of European feudalism.		
12 SS H 4.12.5	1 CE to 1400	Describe the rise of commercial trading centers and their effects on social, political, and economic institutions.		
12 SS H 5.12.1	1200 to 1750	Examine the impact of technological, mathematical, and artistic developments of the Renaissance.		
12 SS H 5.12.2	1200 to 1750	Explain the development of European hereditary monarchies and their effects on centralized government, commerce and trade, and religion.		
12 SS H 5.12.3	1200 to 1750	Explain the causes of the Reformation and its effects in Europe and the Americas.		
12 SS H 5.12.4	1200 to 1750	Identify the influence of the Enlightenment on the Western world, including fine arts, government, literature, philosophy, and science.		
12 SS H 5.12.6	1200 to 1750	Compare common elements of Native North American societies, including communication, economic systems, housing, political systems, social systems, and traditions.		
12 SS H 5.12.7	1200 to 1750	Explain the roles of nationalism, economics, and religious rivalries in the Age of Exploration.		
12 SS H 5.12.8	1200 to 1750	Analyze interactions among Native Americans, Europeans, and Africans.		
12 SS H 5.12.9	1200 to 1750	Analyze how the interactions among Native Americans, Africans, Europeans, and their descendants resulted in unique American economic, social, and political institutions.		
12 SS H 5.12.10	1200 to 1750	Describe the similarities and differences of European colonial communities in North America in terms of politics, religion, language, economics, and social customs.		
12 SS H 5.12.11	1200 to 1750	Compare and contrast life in the New England, Middle, and Southern colonies.		
12 SS H 5.12.12	1200 to 1750	Explain the impact of world commerce, including the African slave trade on Europe, Africa, and the Americas.		
12 SS H 5.12.13	1200 to 1750	Describe the contributions and social, political, and economic characteristics of African, Chinese, Indian, and Japanese civilizations.		
12 SS H 5.12.14	1200 to 1750	Describe how Islamic empires were a link between Africa, Europe, and Asia.		
12 SS H 6.12.1	1700 to 1865	Explain the causes and results of the Industrial Revolution.		
12 SS H 6.12.2	1700 to 1865	Describe the causes and effects of wars with Europeans, including the French and Indian War.		
12 SS H 6.12.3	1700 to 1865	Explain the political and economic causes and effects of the American Revolution.		
12 SS H 6.12.4	1700 to 1865	Describe the ideas of John Locke, Thomas Paine, and Thomas Jefferson and their influences on the American Revolution and the formation of the United States.		
12 SS H 6.12.5	1700 to 1865	Describe the events, course, and results of the American Revolutionary War, including the contributions of African Americans and Native Americans.		
12 SS H 6.12.6	1700 to 1865	Explain the issues of the Confederation period, including war debts and finance, western land, trade, and taxation.		
12 SS H 6.12.7	1700 to 1865	Describe the Constitution's underlying principles, including checks and balances, federalism, limited government, popular sovereignty, and separation of powers.		
12 SS H 6.12.8	1700 to 1865	Describe the issues involved in the ratification of the Constitution, including main ideas of the Federalist Papers, main ideas of the Anti-Federalists, and the Bill of Rights.		
12 SS H 6.12.9	1700 to 1865	Describe the influence of the American Revolution on Europe and the Americas.		
12 SS H 6.12.10	1700 to 1865	Discuss the political events, people, and ideas that influenced European politics, including Napoleon, Metternich, Marx, and Congress of Vienna.		
12 SS H 6.12.11	1700 to 1865	Describe achievements in European fine arts and literature.		
12 SS H 6.12.12	1700 to 1865	Describe the rise of national economies, the emergence of capitalism, and the free market economy.		
12 SS H 6.12.13	1700 to 1865	Explain issues, events, and the roles of key people related to the development of United States political institutions, including Washington's administration, the Marshall Court, judicial review, extension of suffrage, and political parties.		
12 SS H 6.12.14	1700 to 1865	Explain issues, events, and the roles of key individuals associated with the development of a national economic identity and foreign policy, including development of the factory system and impacts of significant inventions such as the cotton gin and interchangeable parts; territorial, trade, and shipping issues with Great Britain; War of 1812; the creation of a national transportation system; Monroe Doctrine; and growth and impact of immigration.		
12 SS H 6.12.15	1700 to 1865	Describe the social reform and religious movements of antebellum United States which attempted to enhance life, including education reform, prison and mental health reform, religious revival, Utopian movement, and women's rights.		
12 SS H 6.12.16	1700 to 1865	Describe the contributions in language, literature, art, and music that led to the development of an emerging culture in the United States, including Stephen Foster, Nathaniel Hawthorne, Hudson River School of Art, and Henry David Thoreau.		
12 SS H 6.12.17	1700 to 1865	Explain the issue of Manifest Destiny and the events related to the expansion of the United States, including Louisiana Purchase, removal of the Eastern tribes, Oregon and California Trails, Mexican War and Mexican War acquisitions, California gold rush, and Homestead Act.		

Identifier	Nevada - Grade 12 - Social Studies		Introduced	Completed
12 SS H 6.12.20	1700 to 1865	Explain abolitionism and describe the importance of abolitionists and slave revolts, including John Brown, Frederick Douglass, William Lloyd Garrison, Harriet Beecher Stowe, and Nat Turner.		
12 SS H 6.12.21	1700 to 1865	Describe the causes, key people, events, and outcome of the Civil War, including states' rights and slavery; election of 1860; Frederick Douglass/African American troops; President Lincoln; Emancipation Proclamation; Antietam, Vicksburg, and Gettysburg; Gettysburg Address; and Generals Grant and Lee.		
12 SS H 7.12.1	1860 to 1920	Summarize the successes and failures of the Reconstruction period.		
12 SS H 7.12.2	1860 to 1920	Describe the key people and significant issues concerning African American rights, including Booker T. Washington and the Tuskegee Institute, Black Codes and Jim Crow Laws, Plessy v. Ferguson, W.E.B. DuBois and the NAACP, and Ida B. Wells and the NACW.		
12 SS H 7.12.3	1860 to 1920	Describe federal policy toward Native Americans including Dawes Act/Indian Reorganization Act of 1934, Indian Boarding Schools, Indian Citizenship Act of 1924, Plains Wars, and reservation system.		
12 SS H 7.12.5	1860 to 1920	Describe the role of farming, railroads, and mining in the settlement of the West.		
12 SS H 7.12.6	1860 to 1920	Describe the causes, issues, and effects of the Populist Movement.		
12 SS H 7.12.7	1860 to 1920	Describe the effect of industrial technology innovations and urbanization on United States social and economic development.		
12 SS H 7.12.8	1860 to 1920	Describe the development of corporate capitalism, including J.P. Morgan, mass production, and vertical and horizontal integration/consolidation.		
12 SS H 7.12.9	1860 to 1920	Explain the motivations for groups coming to the United States and describe their contributions to United States society.		
12 SS H 7.12.10	1860 to 1920	Describe nativism and explain the response to immigration into the United States.		
12 SS H 7.12.11	1860 to 1920	Explain the origins and issues involved in the labor movement.		
12 SS H 7.12.12	1860 to 1920	Describe the development and impact of the Progressive Movement, including government reform, Prohibition, and "trust busting."		
12 SS H 7.12.13	1860 to 1920	Describe the development of the women's suffrage movement and the passage of the 19th Amendment.		
12 SS H 7.12.14	1860 to 1920	Discuss the causes, characteristics, and consequences of United States expansion and diplomacy, including Alaska, Hawaii, Open Door Policy, Spanish-American War, Panama Canal, T. Roosevelt's foreign policy, and Dollar Diplomacy.		
12 SS H 7.12.15	1860 to 1920	Explain the causes and effects of the Mexican Revolution of 1911.		
12 SS H 7.12.16	1860 to 1920	Discuss the causes, characteristics, and consequences of European and Japanese expansion.		
12 SS H 7.12.17	1860 to 1920	Describe the causes, course, character, and effects of World War I, including imperialism, arms race and alliances, nationalism, weapons/tactics, Fourteen Points, and Treaty of Versailles.		
12 SS H 7.12.18	1860 to 1920	Describe the causes and effects of the Russian Revolution, including Romanovs, Lenin, Bolsheviks, and Russian Civil War.		
12 SS H 7.12.20	1860 to 1920	Explain how fine arts, literature, and leisure activities were a reflection of the time.		
12 SS H 8.12.1	1920 to 1945	Describe the rise of totalitarian societies in Europe, Asia, and Latin America.		
12 SS H 8.12.2	1920 to 1945	Discuss the effects on society of new technologies of this era, including communication, transportation, and manufacturing.		
12 SS H 8.12.3	1920 to 1945	Describe social tensions in the postwar era, including radical politics, immigration restrictions, religious fundamentalism, and racism.		
12 SS H 8.12.4	1920 to 1945	Describe how cultural developments in the arts, education, media, and leisure activities reflected and changed United States society.		
12 SS H 8.12.5	1920 to 1945	Describe the causes of the Great Depression and the policies and programs of the New Deal and their effects on social, political, economic, and diplomatic institutions.		
12 SS H 8.12.6	1920 to 1945	Describe the causes, course, character, and effects of World War II, including legacy of World War I; campaigns and strategies; atomic bomb; significant military, political, and scientific leaders; the Big Four; United Nations; United States changing world status; and war crimes trials.		
12 SS H 8.12.7	1920 to 1945	Describe the causes, course, and effects of the Holocaust, including "Aryan supremacy," Nuremberg Laws, Kristallnacht, "Final Solution," concentration and death camps, and creation of Israel.		
12 SS H 8.12.8	1920 to 1945	Explain the effects of World War II on the home front in the United States, including internment camps, technologies, economic developments, propaganda, women/minority contributions, and GI Bill.		
12 SS H 9.12.1	1945 to 1990	Describe the causes and effects of the Cold War, including Europe (Marshall Plan, Berlin, and NATO), Middle East (Egypt, Israel, and Afghanistan), Asia (Japan, China, Korea, and Vietnam), and the Americas (Cuba and the United States).		
12 SS H 9.12.2	1945 to 1990	Describe the effects of the Cold War on the United States, including arms race and nuclear testing, McCarthyism, space race, and Cuban Missile Crisis.		
12 SS H 9.12.3	1945 to 1990	Describe the cause, course, and character of the Korean War, including United Nations Security Council, Pusan Perimeter, General MacArthur, Inchon, Yalu River, and 38th Parallel.		
12 SS H 9.12.4	1945 to 1990	Explain how and why African and Asian peoples achieved independence from colonial rule.		
12 SS H 9.12.5	1945 to 1990	Analyze how postwar science and technology augmented United States economic strength, transformed daily life, and influenced the world economy and politics.		

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12 SS H 9.12.6	1945 to 1990	Describe the causes and effects of changing demographics and developing suburbanization in the United States.		
12 SS H 9.12.8	1945 to 1990	Describe the major issues, events, and key people of the Civil Rights and minority rights movements, including Black Power Movement, United Farm Workers, American Indian Movement, Viva La Raza, Women's Rights Movement, Americans with Disabilities Act, and Civil Rights Act of 1964.		
12 SS H 9.12.9	1945 to 1990	Describe the causes, course, character, and effects of the Vietnam War, including Ho Chi Minh, Dien Bien Phu, Ngo Dinh Diem, Gulf of Tonkin Resolution, draft and lottery, Tet Offensive, antiwar movement, Paris Peace Accord, and POWs and MIAs.		
12 SS H 9.12.10	1945 to 1990	Describe the changes in United States political culture, including the role of the media, the role of women and minorities, Watergate, Iranian hostage crisis, Iran-Contra affair, and Grenada and Panama.		
12 SS H 9.12.11	1945 to 1990	Describe how international policies contributed to the end of the Cold War, including recognition of China, détente, disarmament treaties, "Star Wars," solidarity, and glasnost.		
12 SS H 9.12.12	1945 to 1990	Describe the geopolitical changes in the world due to the disintegration of the USSR.		
12 SS H 9.12.14	1945 to 1990	Summarize the influence of art, music, literature, and the media on United States society.		
12 SS H 10.12.1	1990 to Present	Identify and explain the implications of scientific and technological achievements, including personal computers, Internet, satellites, and biotechnology.		
12 SS H 10.12.2	1990 to Present	Describe the regional and global effects of political and economic alliances.		
12 SS H 10.12.3	1990 to Present	Describe how global issues affect nations differently, including human rights, the environment, world and U.S. regional conflicts, and medical concerns.		
12 SS H 10.12.4	1990 to Present	Explain the causes and effects of the Persian Gulf War, including Kuwait invasion, world oil supply, and changing alliances.		
12 SS H 10.12.5	1990 to Present	Describe the changing political climate in the United States, including: the role of the media, and the Clinton impeachment.		
12 SS H 10.12.6	1990 to Present	Explain how literature, music, and the visual arts are reflections of the time.		

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12S1	CIVICS		
12S1.1	Analyze the role of citizen participation in US civic life		
12S1.2	Analyze the effectiveness of checks and balances in maintaining the equal division of power		
12S1.3	Analyze and give examples of the expansion of the national government through the application of the enumerated and implied powers		
12S1.4	Explain the US Constitutional provisions for division of powers between the state and national governments (delegated, reserved, concurrent powers)		
12S1.5	Assess the processes by which leaders are selected in the US political system and analyze the role of the electoral college system in the election of the President		
12S1.6	Evaluate propaganda in both historic and current political communications		
12S1.7	Examine the rights of citizens and how these rights may be restricted		
12S1.8	Examine the responsibilities of US citizens		
12S1.9	Analyze the United States Constitution and its amendments in protecting individual rights, including the Fourteenth Amendment's provisions for due process and equal protection		
12S1.10	Compare and contrast the structure of the Nevada and United States Constitutions		
12S1.11	Summarize and evaluate the significant characteristics of the world's major political systems, including: monarchy, totalitarian dictatorship, presidential system, parliamentary system, communism, socialism		
12S1.12	Analyze the conflict between US policies of isolationism versus intervention in world affairs		
12S2	ECONOMICS		
12S2.1	Recognizing that people act out of self-interest, predict how a change in the economic environment will affect the choices made by consumers, producers, and savers		
12S2.2	Using the change in real Gross Domestic Product, examine the US economy over time, identifying recessions and high and low rates of growth		
12S2.3	Compare the unemployment rates for groups of people who differ by age, gender, ethnic origin, occupation, and educational attainment		
12S2.4	Demonstrate knowledge of when interest rate levels have experienced relative highs and relative lows throughout US History and discuss their effects		
12S2.5	Demonstrate an understanding that all voluntary trade, by definition, benefits both parties		
12S2.6	Discuss the effects of price controls (price ceilings and price floors) (e.g., minimum wage, rent control)		
12S2.7	Analyze the roles of financial institutions in creating credit		
12S2.8	Explain how the services of not-for-profit organizations impact other economic institutions		
12S2.9	Explain the three functions of money: medium of exchange, store of value, unit of account		
12S2.10	Analyze the potential production of goods and services for a nation as determined by its resources and technology		
12S2.11	Make connections between the nation's unemployment rate and changes in seasons, changes in an industry, and changes in demographics		
12S2.12	Discuss how entrepreneurs affect the economy by solving problems, taking risks, and taking advantage of opportunities to earn profits		
12S2.13	Discuss the pros and cons of specialization and interdependence		
12S2.14	Discuss whether redistributing income is an appropriate role of government		
12S2.15	Demonstrate an understanding that government must define, establish, and enforce property rights in order for markets to function		
12S2.16	Analyze the pros and cons of foreign trade, comparing free trade with restricted trade		
12S3	GEOGRAPHY		
12S3.1	Plan and organize a geographic research project by asking appropriate geographic questions		
12S3.2	Complete a geographic inquiry by applying geographic models, generalizations, and theories to the analysis, interpretation, and presentation of information		
12S3.3	Use appropriate geographic tools and technologies to analyze and interpret Earth's physical and human systems		
12S3.4	Analyze maps for similarities and differences in purpose, accuracy, content, and design		
12S3.5	Compare and contrast the characteristics of places and regions from different points of view		
12S3.6	Analyze why places and regions once characterized by one set of criteria may be defined by a different set of criteria today, and evaluate these changes		
12S3.7	Analyze the effects of physical and human forces on interdependence within ecosystems		
12S3.8	Analyze the biodiversity, distribution, and productivity of ecosystems across Earth's surface		
12S3.9	Evaluate the impact of migration and settlement on physical and human systems		
12S3.10	Compare the characteristics and patterns of migration and settlement in developing and developed countries		
12S3.11	Evaluate the changes that occur in the size and structure of cultural, political, and economic organizations		
12S3.12	Evaluate strategies to respond to constraints placed on human systems by the physical environment		
12S3.13	Analyze human perception of and response to natural hazards		
12S3.14	Develop policies for the use and management of Earth's resources that consider the various interests involved		
12S3.15	Evaluate a contemporary issue using geographic knowledge, skills, and perspectives		
12S3.16	Predict possible outcomes and develop future policies for local or regional issues that have spatial dimensions		
12S4	HISTORY		
12S4.1	Integrate, analyze, and organize historical information from a variety of sources		
12S4.2	Explain and demonstrate how geography influenced the political, social, and economic growth of ancient classical civilizations, including: Africa, China, Greece, India, Mesopotamia, Rome		
12S4.3	Locate and describe civilizations in terms of geography, social structure, religion, political systems, and contributions, including: African, Byzantine, Chinese, Indian, Japanese, Scandinavian		
12S4.4	Explain the causes of the Reformation and its effects in Europe and the Americas		
12S4.5	Analyze how the interactions among Native Americans, Africans, Europeans, and their descendants resulted in unique American economic, social, and political institutions		

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12S4.6	Explain the political and economic causes and effects of the American Revolution		
12S4.7	Explain the issues of the Confederation period, including: war debts and finance, western land, trade, taxation		
12S4.8	Discuss the political events, people, and ideas that influenced European politics, including: Napoleon, Metternich, Marx, Congress of Vienna		
12S4.9	Explain issues, events, and the roles of key individuals associated with the development of a national economic identity and foreign policy, including: development of the factory system and impacts of significant inventions such as the cotton gin and interchangeable parts, territorial, trade, and shipping issues with Great Britain, War of 1812, the creation of a national transportation system, Monroe Doctrine, growth and impact of immigration		
12S4.10	Describe the contributions in language, literature, art, and music that led to the development of an emerging culture in the United States, including: Stephen Foster, Nathaniel Hawthorne, Hudson River School of Art, Henry David Thoreau		
12S4.11	Summarize the successes and failures of the Reconstruction period		
12S4.12	Describe the effect of industrial technology innovations and urbanization on United States social and economic development		
12S4.13	Explain the motivations for groups coming to the United States and describe their contributions to United States society		
12S4.14	Discuss the causes, characteristics, and consequences of United States expansion and diplomacy, including: Alaska, Hawaii, Open Door Policy, Spanish-American War, Panama Canal, T. Roosevelt's foreign policy, Dollar Diplomacy		
12S4.15	Describe the causes and effects of the Russian Revolution, including: Romanovs, Lenin, Bolsheviks, Russian Civil War		
12S4.16	Describe social tensions in the postwar era, including: radical politics, immigration restrictions, religious fundamentalism, racism		
12S4.17	Explain the effects of WW II on the homefront in the United States, including: internment camps, technologies, economic developments, propaganda, women/minority contributions, GI Bill		
12S4.18	Describe the effects of the Cold War on the United States, including: arms race and nuclear testing, McCarthyism, space race, Cuban Missile Crisis		
12S4.19	Describe the causes and effects of changing demographics and developing suburbanization in the United States		
12S4.20	Describe the changes in United States political culture, including: the role of the media, the role of women and minorities, Watergate, Iranian hostage crisis, Iran-contra affair, Grenada and Panama		
12S4.21	Describe the geopolitical changes in the world due to the disintegration of the USSR		
12S4.22	Identify and explain the implications of scientific and technological achievements, including: personal computers, Internet, satellites, biotechnology		
12S4.23	Explain how literature, music, and the visual arts are reflections of the time		

Identifier	Nevada - Grade 12 - Science		Introduced	Completed
12 S PS	PHYSICAL SCIENCE			
12 S PS 1.12.1	Forces and Motion	Investigate and describe how changes in motion are based on the laws of motion.		
12 S PS 1.12.2	Forces and Motion	Explain that the force of attraction that exists between two masses is inversely proportional to the square of the distance between them.		
12 S PS 1.12.3	Forces and Motion	Investigate and describe that the usefulness of a simple machine such as a wheel or axle is based on its function, mechanical advantage, and efficiency.		
12 S PS 1.12.4	Forces and Motion	Investigate and describe the relationship that exists between force, pressure, and area in general, and between pressure and depth in liquids.		
12 S PS 1.12.5	Forces and Motion	Investigate and explain that magnetic forces are related to electric forces and can be thought of as different aspects of a single electromagnetic force (e.g., electric motors, generators, radios).		
12 S PS 2.12.1	Structure and Properties of Matter	Investigate and describe intrinsic (color, odor, density) and extrinsic (e.g., size, mass, volume) physical properties of matter.		
12 S PS 2.12.2	Structure and Properties of Matter	Explain that substances can be identified on the basis of specific energies given off or taken in by that substance.		
12 S PS 2.12.3	Structure and Properties of Matter	Explain how atoms may bond with one another by transferring or sharing electrons that are farthest from the nucleus.		
12 S PS 2.12.4	Structure and Properties of Matter	Explain that the electromagnetic force between the nucleus and electrons holds the atom together.		
12 S PS 2.12.5	Structure and Properties of Matter	Explain the properties of phases of matter in terms of the kinetic molecular theory and forces of attraction between particles.		
12 S PS 2.12.6	Structure and Properties of Matter	Explain that carbon atoms can bond to one another to form a large variety of structures, including the molecules essential to life.		
12 S PS 3.12.1	Energy and Matter - Interactions and Forms	Explain that the transformation of energy usually results in some energy in the form of heat, which spreads by radiation, conduction, and sometimes convection into cooler places.		
12 S PS 3.12.2	Energy and Matter - Interactions and Forms	Investigate and describe how pressure may affect changes of state.		
12 S PS 3.12.3	Energy and Matter - Interactions and Forms	Investigate and describe how waves can superimpose on one another, bend around corners, reflect off surfaces, be absorbed by materials they enter, and change direction when entering a new material.		
12 S PS 3.12.4	Energy and Matter - Interactions and Forms	Describe the properties of electrical circuits in terms of moving electrons, conductivity, resistance, and electrical potential energy.		
12 S PS 3.12.5	Energy and Matter - Interactions and Forms	Investigate and describe how matter and energy may be changed and energy can be transferred in many ways, but the entire mass-energy budget of the universe remains constant.		
12 S PS 3.12.6	Energy and Matter - Interactions and Forms	Investigate and describe how systems tend to become less ordered over time.		
12 S PS 4.12.1	Chemical Reaction	Investigate and describe how, in chemical reactions, elements combine in predictable ratios, and the numbers of atoms of each element do not change.		
12 S PS 4.12.2	Chemical Reaction	Investigate and describe how chemical reaction rates depend on conditions in the reacting system, the properties of reacting materials, and the presence of certain rate-regulating chemicals.		
12 S PS 4.12.3	Chemical Reaction	Investigate and describe how chemical reactions may release or consume energy.		
12 S PS 4.12.4	Chemical Reaction	Relate the chemical properties of an element to the outermost electrons of an element.		
12 S PS 5.12.1	Nuclear Energy and Electromagnetic Energy	Predict how light interacts with matter (e.g., reflection and refraction).		
12 S PS 5.12.2	Nuclear Energy and Electromagnetic Energy	Simulate how the predictable rates of nuclear reactions can be used to estimate the age of some materials.		
12 S PS 5.12.3	Nuclear Energy and Electromagnetic Energy	Describe the different disposal techniques used for high and low level nuclear wastes.		
12 S PS 5.12.4	Nuclear Energy and Electromagnetic Energy	Describe electromagnetic waves including a wide range of forms and varying wavelengths.		
12 S PS 5.12.5	Nuclear Energy and Electromagnetic Energy	Explain how the forces that hold the nucleus of an atom together are usually stronger than other forces that could make the nucleus fly apart.		
12 S PS 5.12.6	Nuclear Energy and Electromagnetic Energy	Explain how energy is released when the nuclei of very heavy atoms (e.g., uranium or plutonium) split into middleweight ones, or when very light nuclei (e.g., hydrogen and helium) combine into heavier ones.		
12 S LS	LIFE SCIENCE			
12 S LS 6.12.1	Structure and Function	Explain how disease disrupts the equilibrium that exists in a healthy organism.		
12 S LS 6.12.2	Structure and Function	Explain how the human body has a specialized anatomy and physiology composed of an hierarchical arrangement of differentiated cells.		
12 S LS 6.12.3	Structure and Function	Investigate and describe how food molecules are broken down through a series of chemical reactions to provide energy and the material to make new molecules.		

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12 S LS 6.12.4	Structure and Function	Investigate and describe how every cell is covered by a cell membrane and most cells also have specialized parts for the transport of materials, energy, transfer, protein building, waste disposal, information feedback, and movement.		
12 S LS 6.12.5	Structure and Function	In photosynthesis, plants and many microorganisms use solar energy to combine molecules of carbon dioxide and water to form energy rich compounds and oxygen.		
12 S LS 7.12.1	Internal and External Influences on Organisms	Investigate and describe how some broad patterns of behavior exhibited by animals have evolved to ensure survival of the species.		
12 S LS 7.12.2	Internal and External Influences on Organisms	Investigate and describe how plant and animals have mechanisms that allow them to respond to changes in their environment.		
12 S LS 7.12.3	Internal and External Influences on Organisms	Investigate and describe how multicellular animals have nervous systems that receive input through sensory organs and generate behavioral responses.		
12 S LS 7.12.4	Internal and External Influences on Organisms	Explain how certain viral diseases make the body vulnerable to multiple infectious agents and cancerous cells by destroying critical cells of the immune system.		
12 S LS 8.12.1	Heredity and Diversity	Explain how all body cells in an organism are developed from a single cell and contain essentially identical genetic instructions. Explain how different parts of the instruction are used in different kinds of cells.		
12 S LS 8.12.2	Heredity and Diversity	Explain how relatedness among organisms can be estimated from the similarity of their DNA sequences.		
12 S LS 8.12.3	Heredity and Diversity	Investigate and describe how sorting and recombination of genes in sexual reproduction results in a great variety of possible gene combinations.		
12 S LS 8.12.4	Heredity and Diversity	Explain how genetic information from parents is encoded in DNA molecules and provides instruction for assembling protein molecules.		
12 S LS 8.12.5	Heredity and Diversity	Investigate and describe how patterns of inheritance are described by laws of segregation and independent assortment.		
12 S LS 8.12.6	Heredity and Diversity	Explain how diversity of species and variation among organisms within a species increase the chances for survival of life when large changes occur in the environment.		
12 S LS 8.12.7	Heredity and Diversity	Explain how gene mutations may be caused by a variety of influences, when mutations occur in sex cells, they can be passed on to offspring.		
12 S LS 9.12.1	Evolution - Process of Biological Change	Investigate and describe the basic idea of the theory of biological evolution is that through genetic and/or environmental influences Earth's present-day species developed from earlier, distinctly different, but common ancestors.		
12 S LS 9.12.2	Evolution - Process of Biological Change	Explain the fossil record of ancient life forms by applying the idea of natural selection and its evolutionary consequences.		
12 S LS 9.12.3	Evolution - Process of Biological Change	Simulate and explain how the adaptation of a species can occur over many generations because of the unique characteristics that favor those individuals in an environment.		
12 S LS 9.12.4	Evolution - Process of Biological Change	Explain how the classification of species is based on similarities (e.g., structural, genetic, molecular) which indicate evolutionary relationships.		
12 S LS 9.12.5	Evolution - Process of Biological Change	Explain how the extinction of species is a common occurrence and fossil records indicate that most species that have lived on Earth no longer exist.		
12 S LS 9.12.6	Evolution - Process of Biological Change	Investigate and describe how the process of evolution is driven by genetic and environmental influences.		
12 S LS 9.12.7	Evolution - Process of Biological Change	Explain how there is evidence that at least a billion years ago, cells with nuclei existed allowing the evolution of increasingly complex multicellular organisms.		
12 S ESS	EARTH AND SPACE SCIENCES			
12 S ESS 10.12.1	Earth Structures and Composition	Investigate and describe how rocks and minerals have different characteristics that reflect their origins and use.		
12 S ESS 10.12.2	Earth Structures and Composition	Investigate and describe how landforms are the result of a combination of constructive and destructive forces resulting from weathering, erosion, and the movement of lithosphere plates.		
12 S ESS 10.12.3	Earth Structures and Composition	Explain how there is a relationship between the relative densities and states (phases) of Earth materials and the layering on, in, and above Earth.		
12 S ESS 10.12.4	Earth Structures and Composition	Investigate and describe how soil is derived from weathered rocks and decomposed organic material, and is found in layers.		
12 S ESS 10.12.5	Earth Structures and Composition	Explain how the composition of Earth's atmosphere has changed in the past and continues to change.		
12 S ESS 10.12.6	Earth Structures and Composition	Compare and contrast the geologic features of Nevada and local geological features.		
12 S ESS 11.12.3	Earth Models	Investigate, design, and use contour maps.		
12 S ESS 11.12.4	Earth Models	Define location on Earth in terms of latitude, longitude, and time zones.		
12 S ESS 12.12.1	Earth History	Explain how catastrophic events have occurred and greatly influenced Earth's history.		
12 S ESS 12.12.2	Earth History	Simulate and explain how relative geologic time can be estimated by observing rock sequences and using fossils to correlate the sequences at various locations.		

Identifier	Nevada - Grade 12 - Science		Introduced	Completed
12 S ESS 12.12.3	Earth History	Compare and contrast the variety of methods by which geologic time is determined, including radioactive dating.		
12 S ESS 13.12.1	Cycles of Matter and Energy	Explain how Earth systems have two major internal sources of energy (decay of radioactive isotopes and the gravitational energy from Earth's original formation) and one major external sources (the sun), all of which create heat.		
12 S ESS 13.12.2	Cycles of Matter and Energy	Explain how uneven heating of Earth's surface by the sun forms convection currents within the atmosphere and ocean, producing wind and ocean currents that are modified by Earth's rotation.		
12 S ESS 13.12.3	Cycles of Matter and Energy	Investigate and describe how water is a solvent (e.g., how it dissolves minerals and gases as it passes through the water cycle and carries them to oceans and lakes).		
12 S ESS 13.12.4	Cycles of Matter and Energy	Simulate and describe how global climate is determined primarily by energy transfer from the sun at and near Earth's surface, and fluctuations in solar output may have contributed to large changes in Earth's climate in the past.		
12 S ESS 13.12.5	Cycles of Matter and Energy	Explain how large-scale, long-term equilibrium can accommodate small-scale changes.		
12 S ESS 13.12.6	Cycles of Matter and Energy	Investigate and describe how elements necessary for life on Earth pass through both living and nonliving cycles in a series of changes that form a global system.		
12 S ESS 13.12.7	Cycles of Matter and Energy	Compare and contrast the relationships between the greenhouse effect and the idea of global warming.		
12 S ESS 13.12.8	Cycles of Matter and Energy	Model and explain how the energy that propels Earth's lithosphere plates is dominantly a result of nuclear processes deep in Earth.		
12 S ESS 14.12.1	Solar System and Universe	Investigate and describe how Earth's atmosphere, water, temperature, and composition compare with conditions on other planets.		
12 S ESS 14.12.2	Solar System and Universe	Explain how most objects in the solar system are in regular and predictable motion which explains such phenomena as the day, the year, phases of the moon, and eclipses.		
12 S ESS 14.12.3	Solar System and Universe	Explain how stars produce energy and elements heavier than hydrogen from nuclear reactions.		
12 S ESS 14.12.4	Solar System and Universe	Explain that on the basis of scientific evidence, the universe is estimated to be about ten billion years old.		
12 S ESS 14.12.5	Solar System and Universe	Describe how increasingly sophisticated technology (e.g., mathematical models and computer simulations) is used to learn about the universe.		
12 S ESS 14.12.6	Solar System and Universe	Explain that the physical laws, such as laws of Newton, Kepler, thermodynamics, relativity, and quantum physics, appear to apply to all bodies in the universe.		
12 S ES	ENVIRONMENTAL SCIENCES			
12 S ES 15.12.1	Ecosystems	Investigate and describe how changes in an ecosystem can affect biodiversity and biodiversity contributes to an ecosystem's stability.		
12 S ES 15.12.2	Ecosystems	Investigate and describe how ecosystems change or remain the same in response to different kinds of influences.		
12 S ES 15.12.3	Ecosystems	Investigate and describe how materials and energy are cycled and recycled through ecosystems via pathways known as food webs.		
12 S ES 15.12.4	Ecosystems	Describe the unique geologic, hydrologic, climatic, and biological characteristics of Nevada's bioregions. (e.g., Northern NV cold desert, Southern low warm desert, Mountain).		
12 S ES 16.12.1	Natural Resources	Evaluate the consequences of changing patterns of resources use.		
12 S ES 16.12.2	Natural Resources	Investigate and describe the various processes involved in obtaining, using, and recycling materials such as wood products, minerals, food, and manufactured objects.		
12 S ES 16.12.3	Natural Resources	Investigate and describe the career opportunities associated with the study, exploration, extraction, utilization, protection, and restoration of natural resources.		
12 S ES 16.12.4	Natural Resources	Analyze and describe the limitations of the Earth's ability to respond to stresses produced by human or natural activities.		
12 S ES 16.12.5	Natural Resources	Analyze and evaluate the effects that increases in human populations can cause (e.g., resource depletion and environmental degradation).		
12 S ES 17.12.1	Conservation	Analyze and evaluate how consumption patterns, conservation efforts, and cultural or social practices in countries have varying environmental impacts.		
12 S ES 17.12.2	Conservation	Investigate and describe how human actions may impact the dynamic equilibrium of global systems (e.g., global warming, ozone depletion).		
12 S ES 17.12.3	Conservation	Explain that there is scientific uncertainty regarding many environmental issues.		
12 S ES 17.12.4	Conservation	Evaluate and describe actions which affect the global environment in terms of trade-offs that may have effects on local environments or economics.		
12 S NHS	NATURE AND HISTORY OF SCIENCE			
12 S NHS 18.12.1	Scientific, Historical, and Technological Perspectives	Explain that the scientific way of knowing uses a critique and consensus process (e.g., peer review, openness to criticism, logical argument, skepticism).		

Identifier	Nevada - Grade 12 - Science		Introduced	Completed
12 S NHS 18.12.2	Scientific, Historical, and Technological Perspectives	Investigate and explain how research emphasis is influenced by economic and public policy.		
12 S NHS 18.12.3	Scientific, Historical, and Technological Perspectives	Investigate and explain how scientific innovations that were originally challenged are now widely accepted.		
12 S NHS 18.12.4	Scientific, Historical, and Technological Perspectives	Explain that scientists work with others to resolve differences in interpretation of observations.		
12 S NHS 18.12.5	Scientific, Historical, and Technological Perspectives	Explain that technological problems create a demand for new scientific knowledge and new technologies which make it possible for scientists to extend their research in new ways or to undertake entirely new lines of research.		
12 S NHS 18.12.6	Scientific, Historical, and Technological Perspectives	Explain that scientific knowledge builds on previous information, and rarely are entire theories completely discarded in favor of new ones.		
12 S NHS 18.12.7	Scientific, Historical, and Technological Perspectives	Explain that scientists have ethical procedures, violations of which have consequences.		
12 S NHS 19.12.1	Reasoning and Critical Response Skills	Identify and determine the credibility of sources of information based on the techniques used to gather that information.		
12 S NHS 19.12.2	Reasoning and Critical Response Skills	Apply cost benefit and risk analyses in decision-making processes.		
12 S NHS 19.12.3	Reasoning and Critical Response Skills	Recognize and describe situations in which a system is qualitatively different from the parts which comprise it (e.g., how a population differs from an individual).		
12 S NHS 19.12.4	Reasoning and Critical Response Skills	Distinguish among hypotheses, laws, theories, and rules, and explain the level of their limitations.		
12 S NHS 19.12.5	Reasoning and Critical Response Skills	Determine the limits of generalizations, assumptions, analogies, and models.		
12 S SI	SCIENTIFIC INQUIRY: PROCESSES AND SKILLS			
12 S SI 20.12.1	Systems, Models, Risk, and Prediction	Use mathematical symbols and formulas to express relationships that behave in the same ways as the objects or processes under investigation.		
12 S SI 20.12.2	Systems, Models, Risk, and Prediction	Use models to identify and predict cause-effect relationships (e.g., effect of temperature on gas volume, effect of carbon dioxide level on the greenhouse effect).		
12 S SI 20.12.3	Systems, Models, Risk, and Prediction	Identify and describe how systems are often different from their components (e.g., aquaria or automobiles).		
12 S SI 20.12.4	Systems, Models, Risk, and Prediction	Compare groups of data, taking into account both percentages and actual numbers.		
12 S SI 20.12.5	Systems, Models, Risk, and Prediction	Identify the type of hazard, estimate the extent and consequences of exposure, and determine the options for reducing or eliminating risks.		
12 S SI 21.12.1	Scientific Values and Attitudes	Demonstrate curiosity, honesty, and skepticism in doing science.		
12 S SI 21.12.2	Scientific Values and Attitudes	Repeat experimentation for statistical analysis and to produce conclusions that are without bias.		
12 S SI 21.12.3	Scientific Values and Attitudes	Evaluate multiple explanations for the same evidence.		
12 S SI 22.12.1	Communication Skills	Analyze experimental procedures and suggest appropriate revisions for improvement.		
12 S SI 22.12.2	Communication Skills	Use tables, charts, and graphs in making arguments and claims in oral and written presentations.		
12 S SI 22.12.3	Communication Skills	Discuss scientific topics by restating or summarizing accurately what others have said; ask for clarifications or elaborations, and express alternative positions using available multimedia resources.		
12 S SI 23.12.1	Scientific Applications of Mathematics	Determine if the correlation between variables is high or low.		
12 S SI 23.12.2	Scientific Applications of Mathematics	Use algebraic equations when appropriate.		
12 S SI 23.12.3	Scientific Applications of Mathematics	Estimate answers to the correct order of magnitude.		
12 S SI 23.12.4	Scientific Applications of Mathematics	Use derived quantities, ratios, proportions, and constants.		
12 S SI 23.12.5	Scientific Applications of Mathematics	Trace the source of differences between an estimate and the calculated answer that exceeds agreed-upon standards for precision.		
12 S SI 23.12.6	Scientific Applications of Mathematics	Select samples by some random system to avoid bias.		
12 S SI 24.12.1	Laboratory Skills and Safety	Demonstrate personal responsibility for using safety equipment and observing all safety standards.		
12 S SI 24.12.2	Laboratory Skills and Safety	Use the information found in materials safety data sheets to handle, store, and dispose of chemicals properly.		
12 S SI 24.12.3	Laboratory Skills and Safety	Inspect, manipulate, and describe the functions of various parts of technical and scientific equipment.		
12 S SI 24.12.4	Laboratory Skills and Safety	Maintain a permanent record of procedures, data, analyses, decisions, and understandings of scientific investigations.		
12 S SI 24.12.5	Laboratory Skills and Safety	Write procedures for the investigation of delegated or original scientific problems.		
12 S SI 24.12.6	Laboratory Skills and Safety	Carry out an independent scientific investigation.		

Identifier	Lander - Grade 12 - Science	Introduced	Completed
12Sc1	THE NATURE OF SCIENCE - Scientific Inquiry		
12Sc1.1	Identify and determine the credibility of sources of information based on the techniques used to gather that information making arguments and claims in oral and written presentation using tables, charts, illustrations and graphs		
12Sc1.2	Record and sort records of procedures, data, analyses, decisions, and understandings of scientific investigations		
12Sc1.3	Compare groups of data, taking into account both percentages and actual numbers through repeated experimentation for statistical analysis and unbiased conclusions		
12Sc1.4	Use models to identify and predict cause-effect relationships (e.g., effect of temperature on gas volume, effect of carbon dioxide level on the greenhouse effect)		
12Sc2	THE NATURE OF SCIENCE - Science, Technology, and Society		
12Sc2.1	Investigate and describe how changes in an ecosystem (science, technology and society) can affect each other		
12Sc2.2	Examine, distinguish and differentiate the influences of ethics on scientific enterprise		
12Sc2.3	Research, question, and analyze scientific knowledge built on previous information		
12Sc3	PHYSICAL SCIENCE - Matter		
12Sc3.1	Investigate and describe different molecular arrangements and motions accounting for the different physical properties of solids, liquids, and gases		
12Sc3.2	Investigate and describe elements in the periodic table by groups and periods noting their repeating patterns and relationships		
12Sc3.3	Identify properties used to separate mixtures		
12Sc3.4	Explain how atoms bond with one another by transferring or sharing electrons		
12Sc3.5	Investigate and describe how chemical reactions can take place at different rates, depending on a variety of factors (i.e., temperature, concentration, surface area, and agitation)		
12Sc3.6	Investigate and describe how chemical reactions either release or absorb energy		
12Sc3.7	Explain and describe how in chemical reactions, elements combine in predictable ratios, and the numbers of atoms of each element do not change		
12Sc3.8	Report and explain that most elements have two or more isotopes, some of which have practical application		
12Sc3.9	Illustrate and show that the number of electrons in an atom determines whether the atom is electrically neutral or an ion		
12Sc4	PHYSICAL SCIENCE - Forces and Motion		
12Sc4.1	Explain, describe and demonstrate how magnetic forces and electric forces are thought of as different aspects of a single electromagnetic force		
12Sc4.2	Explain, describe and demonstrate the strength of the electric force between two objects increases with charge, and decreases with distance		
12Sc4.3	Explain, describe and demonstrate how the strength of gravitational force between two objects increases with mass, and decreases rapidly with distance		
12Sc4.4	Investigate, describe and explain that laws of motion can be used to determine the effects of forces on the motion of objects		
12Sc4.5	Construct, draw, and interpret graphical representations of an object's motion		
12Sc5	PHYSICAL SCIENCE - Energy		
12Sc5.1	Investigate and describe how the sun is the major source of Earth's energy, and provides the energy driving Earth's weather and climate		
12Sc5.2	Investigate, describe and examine how waves (i.e., sound, seismic, electromagnetic) have energy that can be transferred when the waves interact with matter		
12Sc5.3	Explain and describe how nuclear reactions convert a relatively small amount of material into a large amount of energy		
12Sc5.4	Explain and describe the characteristics, applications and impact of radioactivity		
12Sc5.5	Explain and describe conversion of energy forms		
12Sc5.6	Explain that temperature of a substance is directly related to the average kinetic energy of its constituent particles		
12Sc5.7	Explain and describe that electricity is transferred from generating sources for consumption and practical uses		
12Sc6	LIFE SCIENCE - Heredity		
12Sc6.1	Explain the passing of DNA Coding from parents to offspring		
12Sc6.2	Explain how DNA molecules provide instructions for assembling protein molecules		
12Sc6.3	Explain and describe how all body cells in an organism develop from a single cell, and contain essentially identical genetic instructions		
12Sc6.4	Explain several causes and effects of somatic versus sex cell mutations		
12Sc6.5	Show and illustrate how to predict patterns of inheritance		
12Sc7	LIFE SCIENCE - Structure of Life		
12Sc7.1	Explain and illustrate how disease disrupts the equilibrium that exists in a healthy organism		
12Sc7.2	Illustrate and show cell structures and explain their functions		
12Sc7.3	Explain how the human body has a specialized anatomy and physiology composed of an hierarchical arrangement of differentiated cells		
12Sc8	LIFE SCIENCE - Organisms and Their Environment		
12Sc8.1	Describe and explain how elements necessary for life on Earth pass through cycles in a series of changes that form a global system		
12Sc8.2	Examine and interpret relationships of organisms and their physical environment		
12Sc8.3	Distinguish and differentiate how changes in an ecosystem can affect biodiversity and biodiversity's contribution to an ecosystem's stability		

Identifier	Lander - Grade 12 - Science	Introduced	Completed
12Sc8.4	Analyze and evaluate how consumption patterns, conservation efforts, and cultural or social practices in countries have varying environmental impacts		
12Sc8.5	Describe and explain that the amount of living matter an environment can support is limited by the availability of matter, energy, and the ability of the ecosystem to recycle materials		
12Sc8.6	Analyze and characterize the unique geologic, hydrologic, climatic, and biological characteristics of Nevada's bioregions		
12Sc9	LIFE SCIENCE - Diversity of Life		
12Sc9.1	Explain the passing of DNA Coding from parents to offspring; show the relationship between the structure of DNA and its function in heredity		
12Sc9.2	Explain how DNA molecules provide instructions for assembling protein molecules		
12Sc9.3	Classify and differentiate organisms based on evolutionary relationships		
12Sc9.4	Differentiate and distinguish relationships between organisms by the similarity of evidence from DNA sequences		
12Sc9.5	Research and interpret fossil records for evidence of natural selection and its evolutionary consequences		
12Sc9.6	Illustrate and show that the extinction of species can be a natural process		
12Sc9.7	Explain and describe how biological evolution explains diversity of life		
12Sc9.8	Explain and describe the concepts of natural and artificial selection		
12Sc10	EARTH AND SPACE SCIENCES - Atmospheric Processes and the Water Cycle		
12Sc10.1	Investigate and describe how the sun is the major source of Earth's energy, and provides the energy driving Earth's weather and climate		
12Sc10.2	Explain the changes occurring in the Earth's atmosphere citing present and past examples		
12Sc10.3	Interpret the role of the atmosphere in the greenhouse effect		
12Sc10.4	Illustrate the role of convection and radiation regarding heat energy		
12Sc10.5	Explain how uneven heating of the Earth's surface by the sun forms convection currents within the atmosphere and ocean, producing wind and ocean currents that are modified by the Earth's rotation		
12Sc11	EARTH AND SPACE SCIENCES - Solar System and Universe		
12Sc11.1	Identify common characteristics of stars		
12Sc11.2	Describe the process of nuclear fusion		
12Sc11.3	Identify technology use in exploring the universe		
12Sc11.4	Explain scientific evidence suggesting that the universe is expanding		
12Sc11.5	Explain how most objects in the solar system are in regular and predictable motion which explains such phenomena as the day, the year, phases of the moon, and eclipses		
12Sc12	EARTH AND SPACE SCIENCES - Earth's Composition and Structure		
12Sc12.1	Illustrate how successive layers of sedimentary rock and the fossils with them can be used to confirm the age, history, and changing life forms of the Earth including how this evidence is affected by the folding, breaking, and uplifting of layers		
12Sc12.2	Investigate and describe how landforms are the result of a combination of constructive and destructive forces resulting from weathering, erosion, and the movement of lithosphere plates		
12Sc12.3	Investigate and describe how elements necessary for life on Earth pass through both living and non-living cycles in a series of changes that form a global system		
12Sc12.4	Distinguish the composition of soil separating it into organic and inorganic materials configured in layers		
12Sc12.5	Demonstrate the processes of obtaining, using and recycling of renewable and non-renewable resources		
12Sc12.6	Distinguish and differentiate the various processes involved in obtaining, using and recycling materials, organic and inorganic		
12Sc12.7	Classify the elements necessary for life on Earth mapping their transition through living and non-living cycles		
12Sc12.8	Explain the relationships of organisms and their physical environment		
12Sc12.9	Research, analyze and interpret the consumption patterns, conservation efforts, cultural and social practices in various countries and cultures		
12Sc12.10	Examine and research external and internal sources of energy		