

Correlation to Nevada Science Standards

Title: **CORD APPLICATIONS IN BIOLOGY/CHEMISTRY, 2/E, Cord Communications © 1999**

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Standards		MODULE and Page References
PHYSICAL SCIENCE		
Content Standard 1.0: Forces and Motion — <i>Students understand that forces such as gravitational, electrical, and magnetic influence the motion of objects.</i>		
Description of Motion	1.12.1 Investigate and describe how changes in motion are based on the laws of motion .	Is not part of ABC Curriculum
Gravity	1.12.2 Explain that the force of attraction that exists between two masses is inversely proportional to the square of the distance between them.	Is not part of ABC Curriculum
Machines	1.12.3 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 .	Is not part of ABC Curriculum
Pressure, Density, and Buoyancy	1.12.4 Investigate and describe the relationship that exists between force, pressure , and area in general, and between pressure and depth in liquids.	Is not part of ABC Curriculum
Electrical and Magnetic Forces	1.12.5 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).	Is not part of ABC Curriculum
Content Standard 2.0: Structure and Properties of Matter — <i>Students understand that materials have distinct properties which depend on the amount of matter present, its chemical composition, and structure.</i>		
Physical Properties	2.12.1 Investigate and describe intrinsic (color, odor, density) and extrinsic (e.g., size, mass, volume) physical properties of matter.	Is not part of ABC Curriculum
Chemical Analysis	2.12.2 Explain that substances can be identified on the basis of specific energies given off or taken in by that substance.	Is not part of ABC Curriculum
Chemical Bonding	2.12.3 Explain how atoms may bond with one another by transferring or sharing electrons that are farthest from the nucleus.	Is not part of ABC Curriculum
Atomic Theory	2.12.4 Explain that the electromagnetic force between the nucleus and electrons holds the atom together.	Is not part of ABC Curriculum
System of Particles	2.12.5 Explain the properties of phases of matter in terms of the kinetic molecular theory and forces of attraction between particles.	Is not part of ABC Curriculum
Properties and Composition	2.12.6 Explain that carbon atoms can bond to one another to form a large variety of structures, including the molecules essential to life.	Is not part of ABC Curriculum

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Content Standard 3.0: Energy and Matter: Interactions and Forms — <i>Students understand that changes in temperature and pressure can alter states of matter. Energy exists in many forms, and one form can change into another.</i>		
Heat and Temperature	3.12.1 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.	Is not part of ABC Curriculum
Changes of State	3.12.2 Investigate and describe how pressure may affect changes of state.	Is not part of ABC Curriculum
Waves	3.12.3 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.	Is not part of ABC Curriculum
Electrical Circuits	3.12.4 Describe the properties of electrical circuits in terms of moving electrons, conductivity, resistance, and electrical potential energy.	Is not part of ABC Curriculum
Changes in Energy	3.12.5 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.	Is not part of ABC Curriculum
Descriptions of Energy and Order	3.12.6 Investigate and describe how systems tend to become less ordered over time.	Is not part of ABC Curriculum
Content Standard 4.0: Chemical Reaction — <i>Students understand that chemical reactions change substances into different substances.</i>		
Conservation of Matter	4.12.1 Investigate and describe how, in chemical reactions, elements combine in predictable ratios, and the numbers of atoms of each element do not change.	Water module PP 1-178 Air and other Gases Module PP 1-148 Synthetic Materials module PP 1-210
Rates of Chemical Reactions	4.12.2 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.	Water module PP 1-178 Air and other Gases Module PP 1-148 Synthetic Materials module PP 1-210
Transformation of Matter and Energy	4.12.3 Investigate and describe how chemical reactions may release or consume energy.	Synthetic Materials Module PP 1-210 Waste and Waste Management Module PP 1-190
Chemical Properties	4.12.4 Relate the chemical properties of an element to the outermost electrons of an element.	Synthetic Materials Module PP 1-210 Waste and Waste Management Module PP 1-190

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Standards		MODULE and Page References
Content Standard 5.0: Nuclear Energy and Electromagnetic Energy —Students understand that nuclear energy and electromagnetic energy are produced from both natural and human-made sources in many forms.		
Behaviors of Light	5.12.1 Predict how light interacts with matter (e.g., reflection and refraction).	Is not part of ABC Curriculum
Nuclear Applications	5.12.2 Simulate how the predictable rates of nuclear reactions can be used to estimate the age of some materials.	Is not part of ABC Curriculum
Nuclear Wastes	5.12.3 Describe the different disposal techniques used for high and low level nuclear wastes.	Is not part of ABC Curriculum
Electromagnetic Energy	5.12.4 Describe electromagnetic waves including a wide range of forms and varying wavelengths.	Is not part of ABC Curriculum
Nuclear Structure and Processes	5.12.5 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.	Is not part of ABC Curriculum
Nuclear Energy	5.12.6 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.	Is not part of ABC Curriculum
LIFE SCIENCES		
Content Standard 6.0: Structure and Function — <i>Students understand that all life forms, at all levels of organization, use specialized structures and similar processes to meet life's needs.</i>		
Life Cycles and Disruptions	6.12.1 Explain how disease disrupts the equilibrium that exists in a healthy organism.	Disease and Wellness Module PP 1-133
Structures, Functions, and Systems	6.12.2 Explain how the human body has a specialized anatomy and physiology composed of a hierarchical arrangement of differentiated cells .	Animal Life Processes Module PP 1-67 ; Continuity of Life Module 1-143; Community of Life Module PP 1-74
Environment, Energy, and Cellular Functions	6.12.3 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.	Nutrition Module PP 1-138
Cellular Organization	6.12.4 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.	Continuity of Life Module PP 1-64, Water Module PP 1-47
Plant Structures and	6.12.5 In photosynthesis , plants and many microorganisms use solar energy to combine molecules of carbon dioxide and water to form energy rich compounds and oxygen.	Plant Growth & Reproduction PP 1-125.

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Standards		MODULE and Page References
Functions		
Content Standard 7.0: Internal and External Influences on Organisms — <i>Students understand that organisms respond to internal and external influences.</i>		
Influences on Behavioral Patterns	7.12.1 Investigate and describe how some broad patterns of behavior exhibited by animals have evolved to ensure survival of the species.	Animal Life Processes Module PP 85-142 Continuity of Life Module PP 65-98
Origins of Behavioral Patterns	7.12.2 Investigate and describe how plant and animals have mechanisms that allow them to respond to changes in their environment.	Community of Life Module PP 1-128
Stimulus and Behavior	7.12.3 Investigate and describe how multicellular animals have nervous systems that receive input through sensory organs and generate behavioral responses.	Animal life Processes PP 58-84; Community of Life PP 45-64
Disease	7.12.4 Explain how certain viral diseases make the body vulnerable to multiple infectious agents and cancerous cells by destroying critical cells of the immune system.	Disease and Wellness Module PP 1-133
Content Standard 8.0: Heredity and Diversity — <i>Students understand that life forms are diverse, and that they pass some characteristics to their offspring.</i>		
Inherited Traits	8.12.1 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.	Continuity of Life Module PP 1-234
Variation and Classification of Organisms	8.12.2 Explain how relatedness among organisms can be estimated from the similarity of their DNA sequences.	Continuity of Life Module PP 1-234
Variation	8.12.3 Investigate and describe how sorting and recombination of genes in sexual reproduction results in a great variety of possible gene combinations.	Continuity of Life Module PP 1-234
Reproduction	8.12.4 Explain how genetic information from parents is encoded in DNA molecules and provides instruction for assembling protein molecules.	Continuity of Life Module PP 1-234
Patterns of Inheritance	8.12.5 Investigate and describe how patterns of inheritance are described by laws of segregation and independent assortment.	Continuity of Life Module PP 1-234
Diversity of Species	8.12.6 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.	Continuity of Life Module PP 1-234
Mutations	8.12.7 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.	Continuity of Life Module PP 1- 234
Content Standard 9.0: Evolution: The Process of Biological Change — <i>Students understand that life forms change over time.</i>		
Common Ancestry	9.12.1 Investigate and describe the basic idea of the theory of biological evolution is that through genetic and/or environmental influences the Earth's present-day species developed from earlier, distinctly different, but common ancestors.	Continuity of Life Module PP 1-234

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Standards		MODULE and Page References
Natural Selection	9.12.2 Explain the fossil record of ancient life forms by applying the idea of natural selection and its evolutionary consequences.	Continuity of Life Module PP 1-234
Content Standard 9.0: Evolution: The Process of Biological Change —(continued)		
Adaptation	9.12.3 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.	Community of Life Module P 34-90 Continuity of Life PP 1-234
Evidence for the theory of Evolution	9.12.4 Explain how the classification of species is based on similarities (e.g., structural, genetic, molecular) which indicate evolutionary relationships.	Community of Life Module PP 1-210 Microorganisms Module PP 1- 197
Extinction	9.12.5 Explain how the extinction of species is a common occurrence and fossil records indicate that most species that have lived on the earth no longer exist.	Community of Life Module P 34-90 Continuity of Life PP 1-234
Influences on Evolution	9.12.6 Investigate and describe how the process of evolution is driven by genetic and environmental influences.	Community of Life Module P 34-90 Continuity of Life PP 1-234
Life Origins	9.12.7 Explain how there is evidence that at least a billion years ago, cells with nuclei existed allowing the evolution of increasingly complex multicellular organisms.	Community of Life Module P 34-90 Continuity of Life PP 1-234
EARTH AND SPACE SCIENCES		
Content Standard 10.0: Earth Structures and Composition — <i>Students understand that the Earth is composed of interrelated systems of rocks, water, air, and life.</i>		
Rocks and Minerals	10.12.1 Investigate and describe how rocks and minerals have different characteristics that reflect their origins and use.	Is not part of ABC Curriculum
Landforms	10.12.2 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.	Is not part of ABC Curriculum
Earth's Structure and Composition	10.12.3 Explain how there is a relationship between the relative densities and states (phases) of Earth materials and the layering on, in, and above the Earth.	Is not part of ABC Curriculum
Soil	10.12.4 Investigate and describe how soil is derived from weathered rocks and decomposed organic material, and is found in layers.	Is not part of ABC Curriculum
Earth's Atmosphere	10.12.5 Explain how the composition of the Earth's atmosphere has changed in the past and continues to change.	Is not part of ABC Curriculum
Geologic Processes and Features	10.12.6 Compare and contrast the geologic features of Nevada and local geological features.	Is not part of ABC Curriculum

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Content Standard 11.0: Earth Models — <i>Students understand that the Earth may be represented by a variety of maps and models.</i>		
Models of the Earth	11.12.3 Investigate, design, and use contour maps.	Is not part of ABC Curriculum
Time and Location on the Earth	11.12.4 Define location on the Earth in terms of latitude, longitude, and time zones.	Is not part of ABC Curriculum
Content Standard 12.0: Earth History — <i>Students understand that Earth systems (such as weather and mountain formation) change on variety.</i>		
Change Over Time	12.12.1 Explain how catastrophic events have occurred and greatly influenced Earth's history.	Is not part of ABC Curriculum
Relative Geologic Time and the Fossil Record	12.12.2 Simulate and explain how relative geologic time can be estimated by observing rock sequences and using fossils to correlate the sequences at various locations.	Is not part of ABC Curriculum
Geologic Time	12.12.3 Compare and contrast the variety of methods by which geologic time is determined, including radioactive dating .	Is not part of ABC Curriculum
Content Standard 13.0: Cycles of Matter and Energy – <i>Students understand that Earth systems have a variety of cycles through which energy and matter continually flow.</i>		
Earth Energy Sources	13.12.1 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.	Is not part of ABC Curriculum
Weather	13.12.2 Explain how uneven heating of the Earth's surface by the sun form convection currents within the atmosphere and ocean, producing wind and ocean currents that are modified by the Earth's rotation.	Is not part of ABC Curriculum
Water	13.12.3 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)	Is not part of ABC Curriculum
Climate	13.12.4 Simulate and describe how global climate is determined primarily by energy transfer from the sun at and near the Earth's surface, and fluctuations in solar output may have contributed to large changes in the Earth's climate in the past.	Is not part of ABC Curriculum
The Nature of Change	13.12.5 Explain how large-scale, long-term equilibrium can accommodate small-scale changes.	Is not part of ABC Curriculum
Bio-Geochemical Cycles	13.12.6 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.	Is not part of ABC Curriculum
Energy	13.12.7 Compare and contrast the relationships between the greenhouse effect and the idea	Is not part of ABC Curriculum

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Standards		MODULE and Page References
Transfer and Transformation in the Earth System	of global warming.	
Earth's Internal Energy	13.12.8 Model and explain how the energy that propels the Earth's lithosphere plates is dominantly a result of nuclear processes deep in the Earth.	Is not part of ABC Curriculum
Content Standard 14.0: The Solar System and the Universe — <i>Students understand that the Earth is part of a planetary system within the Milky Way Galaxy, which is part of the known universe.</i>		
The Solar System	14.12.1 Investigate and describe how the Earth's atmosphere, water, temperature, and composition compare with conditions on other planets.	Is not part of ABC Curriculum
Celestial Motion	14.12.2 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.	Is not part of ABC Curriculum
Stars and Galaxies	14.12.3 Explain how stars produce energy and elements heavier than hydrogen from nuclear reactions.	Is not part of ABC Curriculum
Origin of the Universe	14.12.4 Explain that on the basis of scientific evidence, the universe is estimated to be about ten billion years old.	Is not part of ABC Curriculum
Tools and Methods of Astronomy	14.12.5 Describe how increasingly sophisticated technology (e.g., mathematical models and computer simulations) is used to learn about the universe.	Is not part of ABC Curriculum
Universality of Physical Laws	14.12.6 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.	Is not part of ABC Curriculum
ENVIRONMENTAL SCIENCE		
Content Standard 15.0: Ecosystems — <i>Students will demonstrate an understanding that ecosystems display patterns of organization, change, and stability as a result of the interactions and interdependencies among the life forms and the physical components of the Earth.</i>		
Stability and Change in Ecosystems	15.12.1 Investigate and describe how changes in an ecosystem can affect bio-diversity and bio-diversity contributes to an ecosystem's stability.	Community of Life Module PP 1-210
Relationships and Interactions in Ecosystems	15.12.2 Investigate and describe how ecosystems change or remain the same in response to different kinds of influences.	Community of Life Module PP 1-210
Cycles of	15.12.3 Investigate and describe how materials and energy are cycled and recycled through	Community of Life Module PP 1-210

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Matter and Energy in Ecosystems	ecosystems via pathways known as food webs.	
Characteristics of Ecosystems	15.12.4 Describe the unique geologic, hydrologic, climatic, and biological characteristics of Nevada's bioregions . (e.g. Northern NV cold desert, Southern low warm desert, Mountain).	Community of Life Module PP 1-210
Content Standard 16.0: Natural Resources — <i>Students demonstrate and understand that natural resources include renewable and non-renewable materials and energy. All organisms, including human, use resources to maintain and improve their existence, and the use of resources can have positive and negative consequences.</i>		
Renewable and Nonrenewable Resources	16.12.1 Evaluate the consequences of changing patterns of resources use.	Natural Resources Module PP 1-235
Acquisition and Use of Natural Resources	16.12.2 Investigate and describe the various processes involved in obtaining, using, and recycling materials such as wood products, minerals, food, and manufactured objects.	Natural Resources Module PP 1-235
Traditional and Innovative Uses of Natural Resources	16.12.3 Investigate and describe the career opportunities associated with the study, exploration, extraction, utilization, protection, and restoration of natural resources.	Natural Resources Module PP 1-235
Environmental Consequences of Natural Resource Use	16.12.4 Analyze and describe the limitations of the Earth's ability to respond to stresses produced by human or natural activities.	Natural Resources Module PP 1-235
Technology and Human Population	16.12.5 Analyze and evaluate the effects that increases in human populations can cause (e.g., resource depletion and environmental degradation).	Natural Resources Module PP 1-235
Content Standard 17.0: Conservation — <i>Students understand that humans have the unique ability to change personal and societal behavior based on ethical considerations regarding other organisms, the planet as a whole and future generations.</i>		
Conservation	17.12.1 Analyze and evaluate how consumption patterns, conservation efforts, and cultural or social practices in countries have varying environmental impacts.	Community of Life Module PP 1-210 Animal Life Processes PP 1-240
Systems and Equilibrium	17.12.2 Investigate and describe how human actions may impact the dynamic equilibrium of global systems (e.g., global warming, ozone depletion).	Community of Life Module PP 1-210 Animal Life Processes PP 1-240
The Scientific Nature of Environmental	17.12.3 Explain that there is scientific uncertainty regarding many environmental issues.	Community of Life Module PP 1-210 Animal Life Processes PP 1-240

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Issues		
Responsible Behavior	17.12.4 Evaluate and describe actions which affect the global environment in terms of trade-offs that may have effects on local environments or economics.	Community of Life Module PP 1-210 Animal Life Processes PP 1-240
THE NATURE AND HISTORY OF SCIENCE		
Content Standard 18.0: Scientific, Historical, and Technological Perspectives — <i>Students understand that humans have the unique ability to change personal and societal behavior based on ethical considerations regarding other organisms, the planet as a whole and future generations.</i>		
The Nature of Science	18.12.1 Explain that the scientific way of knowing uses a critique and consensus process (e.g., peer review, openness to criticism, logical argument, skepticism).	Imbedded in all 12 ABC modules
Attributes of Scientific Research	18.12.2 Investigate and explain how research emphasis is influenced by economic and public policy.	Imbedded in all 12 ABC modules
The History of Science and Invention	18.12.3 Investigate and explain how scientific innovations that were originally challenged are now widely accepted.	Imbedded in all 12 ABC modules
Science as a Collaborative Process	18.12.4 Explain that scientists work with others to resolve differences in interpretation of observations.	Imbedded in all 12 ABC modules
Technology	18.12.5 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.	Imbedded in all 12 ABC modules
The Dynamic Character of Scientific Knowledge	18.12.6 Explain that scientific knowledge builds on previous information, and rarely are entire theories completely discarded in favor of new ones.	Imbedded in all 12 ABC modules
Scientific Ethics	18.12.7 Explain that scientists have ethical procedures, violations of which have consequences.	Imbedded in all 12 ABC modules
Content Standard 19.0: Reasoning and Critical Response Skills — <i>Students understand that many decisions require critical consideration of scientific evidence.</i>		
Evaluating Data	19.12.1 Identify and determine the credibility of sources of information based on the techniques used to gather that information.	Imbedded in all 12 ABC modules
Analyzing and Evaluating Benefits and	19.12.2 Apply cost benefit and risk analyses in decision-making processes.	Imbedded in all 12 ABC modules

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Risks		
Analyzing Systems	19.12.3 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).	Imbedded in all 12 ABC modules
Content Standard 19.0: Reasoning and Critical Response Skills (continued).		
Critical Analysis	19.12.4 Distinguish between hypotheses, laws, theories and rules, and explain the level of their limitations.	Imbedded in all 12 ABC modules
Critical Evaluation	19.12.5 Determine the limits of generalizations, assumptions, analogies, and models.	Imbedded in all 12 ABC modules
SCIENTIFIC INQUIRY: PROCESSES AND SKILLS		
Content Standard 20.0: Systems, Models, Risk, and Predictions — <i>Students understand that a variety of models can be used to describe or predict things and events.</i>		
Models	20.12.1 Use mathematical symbols and formulas to express relationships that behave in the same ways as the objects or processes under investigation.	Imbedded in all 12 ABC modules
Models and Predictions	20.12.2 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).	Imbedded in all 12 ABC modules
Systems	20.12.3 Identify and describe how systems are often different from their components. (e.g., aquaria or automobiles)	Imbedded in all 12 ABC modules
Statistical Modeling	20.12.4 Compare groups of data, taking into account both percentages and actual numbers.	Imbedded in all 12 ABC modules
Risk Analysis	20.12.5 Identify the type of hazard, estimate the extent and consequences of exposure, and determine the options for reducing or eliminating risks.	Imbedded in all 12 ABC modules
Content Standard 21.0: Scientific Values and Attitudes — <i>Students understand that science is an active process of systematically examining the natural world.</i>		
Scientific Investigations	21.12.1 Demonstrate curiosity, honesty, and skepticism in doing science.	Imbedded in all 12 ABC modules
Repeating Scientific Trials	21.12.2 Repeat experimentation for statistical analysis and to produce conclusions that are without bias.	Imbedded in all 12 ABC modules
Generating Multiple	21.12.3 Evaluate multiple explanations for the same evidence.	Imbedded in all 12 ABC modules

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Multiple Explanations		
Content Standard 22.0: Communication Skills — <i>Students understand that a variety of communication methods can be used to share scientific information.</i>		
Writing and Following Instructions	22.12.1 Analyze experimental procedures and suggest appropriate revisions for improvement.	Imbedded in all 12 ABC modules
Working With Graphical Models	22.12.2 Use tables, charts, and graphs in making arguments and claims in oral and written presentations.	Imbedded in all 12 ABC modules
Working With Others	22.12.3 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.	Imbedded in all 12 ABC modules
Content Standard 23.0: Scientific Applications of Mathematics — <i>Students understand that scientific inquiry is enhanced and often communicated by using mathematics.</i>		
Variables	23.12.1 Determine if the correlation between variables is high or low.	Integrated in all 12 ABC Modules
Computing	23.12.2 Use algebraic equations when appropriate.	Integrated in all 12 ABC Modules
Estimating	23.12.3 Estimate answers to the correct order of magnitude.	Integrated in all 12 ABC Modules
Working With Measurements	23.12.4 Use derived quantities, ratios, proportions, and constants.	Integrated in all 12 ABC Modules
Evaluating Measurements	23.12.5 Trace the source of differences between an estimate and the calculated answer that exceeds agreed-upon standards for precision.	Integrated in all 12 ABC Modules
Validity of Samples	23.12.6 Select samples by some random system to avoid bias.	Integrated in all 12 ABC Modules
Content Standard 24.0: Laboratory Skills and Safety — <i>Students can appropriately and safely apply the tools and techniques of scientific inquiry.</i>		
Working Safely	24.12.1 Demonstrate personal responsibility for using safety equipment and observing all safety standards.	Integrated in all 12 ABC Modules
Working With Chemicals	24.12.2 Use the information found in materials safety data sheets to handle, store, and dispose of chemicals properly.	Integrated in all 12 ABC Modules
Using Experimental	24.12.3 Inspect, manipulate, and describe the functions of various parts of technical and scientific equipment.	Integrated in all 12 ABC Modules

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Apparatus		
Recording Data	24.12.4 Maintain a permanent record of procedures, data, analyses, decisions, and understandings of scientific investigations.	Integrated in all 12 ABC Modules
Writing and Following Laboratory Procedures and Problem Solving	24.12.5 Write procedures for the investigation of delegated or original scientific problems.	Integrated in all 12 ABC Modules
Designing and Conducting Experiments	24.12.6 Carry out an independent scientific investigation.	Integrated in all 12 ABC Modules