

F.9 Integrated Science I - Grades 6-8

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Publisher/Provider Name/Imprint:		Grade(s):						
Title of Student Edition:		Student Edition ISBN:						
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	SCORING (TO BE COMPLETED B	Y REVIEWER AND FACILITATOR)	
Reviewer Number:		Date:	

Abbreviations for the Form F Standards Review Tab: • PE: Performance Expectation PE: Performance Expectation POI: Disciplinary Core Idea SEP: Science and Engineering Practices CCC: Crosscutting Concepts CONN: Connections NM: NM STEM Ready Standard CCSS: Common Core State Standards for ELA/Literacy in Science and Common Core State Standards for Math in Science as identified in the NGSS PCSS: Common Core State Standards for ELA/Literacy in Science and Common Core State standards for Math in Science as identified in the NGSS PUBLISHER/PROVIDER INSTRUCTIONS: Publisher/Provider citations for this section will refer to the Teacher Edition (teacher-facing core material). The cited Teacher Edition should correspond with the title and ISBN entered on the Form F cover page, whether in print, online, or both. The review set is un militare to the summer review institute should also correspond with what is cited on the Form F. If the review set is an online platform only, then that is what should be cited on the Form F and submitted for review by the review teams. For this section, the publisher/provider will enter one citation per DCI, SEP, CCC, CONN, and NM standard in Column D. Each citation should direct the reviewer to a specific location in the materials that best meets the standard. The citations should be conclise and should allow the reviewer to a specific location in Column D from the Teacher Edition (teacher-facing core material). Each citation should direct the reviewer to a specific location in the materials. Any cells grayed out do not require a citation. The cited material for each DCI, SEP, CCC, and CONN must directly relate to the PE under which they fall. The material will be scored for alignment with each DCI, SEP, CCC, and CONN, and NM Standards within each PE as "Meets expectations", "Partially meets expectations", "Does not meet expectations" based on the citations provided. A score for the PE will be derived from the related DCIs, SEPS, CCCs, and CONN, such Mistandards within each PE as "Meets expectations", "Partially meets expectations", "Does not meet expectations" based on the citations provided. A score for the PE will be derived from the related DCIs, SEPS, CCCs, and CONN, such that the PE. Columns D-G: The outside provides exitation from the Teacher Edition. Columns HK: Using the Student Edition, Student Workbook, or other Columns D-G: The publisher/provider will provide a citation from the Teacher Edition (teacher-facing core material) (print and/or digital) for each DCI, SEP, CCC, CONN, and NM standard in column D. Review the cited material and score the material by determining the degree to which it meets the standard: Columns H-K: Using the Student Edition, Student Workbook, or other student-facing materials, provide a citation for each DCI, SEP, CCC, CONN, and NM standard in Column H from the student materials that best meets the standard and addresses all components of determining the degree to which it meets the standard: of = Meets the standard of = Partially meets the standard of = Partially meets the standard of = Partially meets the standard of = Des not meet the standard Start by scoring the DCl(s) for the PE. If all DCls within the PE score a D (columns E AM D), score all other components within the PE with a D and move on to the next PE. Evidence for the publisher citations is required only if you score the materials with a D. For your evidence for each standard that soores a D, choose one of the options from the dropdown menu in Column G. If the reason for scoring the materials with a D is not one of the dropdown options, enter your own evidence statement in the cell in Column G. ne standard. Review the cited material, score the material by det ne degree to which it meets the standard, and provide evidence to Practices CCC: Crosscutting Concepts of a state of which in terms are sainted, and provide evidence of support in the provided of the standard of P = Partially meets the standard of P = Partially meets the standard Start by scoring the DC(s) for the PE. If all DCIs within the PE score a D (columns E AND), score all other components within the PE with a D and move on to the next PE. The score cells in those rows will automatically populate if formulated to do so. Each cell in the Reviewer Citation column, Score column, and Reviewer Evidence column (columns £1, and K) will turn purple as you score CONN: Connections Nm: NM STEM Ready Standard CCSS: Common Core State Standards for ELA/Literacy in Science and Common Core State Standards for Math in Science as identified in the Reviewer directions for Science Standards Review Column G. o Any cells grayed out do not require a citation or evidence. The score cells in those rows will automatically populate if formulated to do so. o Each cell in the Score column (column E) will turn purple as you score the materials. Criteria Standard Identifier Reviewer Citation from Student Score Publisher/Provider Citation from Score If Scored D: Reviewer's Evidence for Publisher Citation Required: Reviewer's Evidence Comments, other citations, notes Integrated Science I Grades 6-8 Standards Review: re, States of Matter, Thermal Energy Transfer MS-PS4-2. Students who demonstrate understanding can: Develop and use a model to describe that waves are reflect absorbed, or transmitted through various materials. 1 PE PS4.A: Wave Properties 2 DCI A sound wave needs a medium through which it is transmitted. PS4.B: Electromagnetic Radiation When light shines on an object, it is reflected, absorbed, or transmitted through the object, depending on the object's material and the frequency (color) of the light. (MS-PS4-2) 3 DCI PS4.B: Electromagnetic Radiation The path that light travels can be traced as straight lines, except at surfaces between different transparent materials (e.g., air and water, air and glass) where the light path bends. (MS-PS4-2) DCI PS4.B: Electromagnetic Radiation • A wave model of light is useful for explaining brightness, color, and the frequency-dependent bending of light at a surface betwee media. (MS-PS4-2) PS4.B: Electromagnetic Radiation - However, because light can travel through space, it cannot be a DCI matter wave, like sound or water waves. (MS-PS4-2) matter wave, like sound of water waves. (MS-P-S4-2) Developing and Using Models Modeling in 6-8 builds on K-5 and progresses to developing, using, and revising models to describe, test, and predict more abstract phenomen Structure and Function Structures can be designed to serve particular functions by taking into account properties of different materials, and how materials can be shaped and used. (MS-PS4-2) MS-PS1-4. Students who demonstrate understanding can: Develop a model that predicts and describes changes in particle motion, temperature, and state of a pure substance when thermal energy is added or removed. PE PS1.A: Structure and Properties of Matter Gases and liquids are made of molecules or inert atoms that are moving about relative to each other. (MS-PS1-4) 10 DCI PS1.A: Structure and Properties of Matter In a liquid, the molecules are constantly in contact with others; in a gas, they are widely spaced except when they happen to collide. In a solid, atoms are closely spaced and may vibrate in position but do not change relative locations. (MS-PS1.4) 11 DCI PS1.A: Structure and Properties of Matter - The changes of state that occur with variations in temperature or pressure can be described and predicted using these models of matter. (MS-PS1-4) 12 DCI PS3.A: Definitions of Energy *The term "heat" as used in everyday language refers both to thermal energy (the motion of atoms or molecules within a substance) and the transfer of that thermal energy from one object to another. In science, heat is used only for this second meaning; it refers to the energy transferred due to the temperature difference between two objects. (secondary to MS-PS1-4) 13 DCI PS3.A: Definitions of Energy • The temperature of a system is proportional to the average internal kinetic energy and potential energy per atom or molecule (whichever is the appropriate building block for the system's material). The details of that relationship depend on the type of atom or molecule and the interactions among the atoms in the material. Temperature is not a direct measure of a system's total thermal energy. The total thermal energy (sometimes called the total internal energy) or system depends ionity on the 14 DCI total internal energy) of a system depends jointly on the temperature, the total number of atoms in the system, and the state of the material. (secondary to MS-PS1-4) State of the material, (secondary to MS-PS1-4) Developing and Using Models Modeling in 6-8 builds on K-5 and progresses to developing, using, and revising models to describe, test, and predict more abstract phenomena and design systems. - Develop a model to predict and/or describe phenomena. (MS-15 SEP PS1-4) Cause and Effect Cause and effect relationships may be used to predict phenomena in natural or designed systems. (MS-PS1-4) 16 ccc MS-PS3-3. Students who demonstrate understanding can Apply scientific principles to design, construct, and test a device that either minimizes or maximizes thermal energy 17 PE

Section 1: Standards Review: Science

18	DCI	PS3.A: Definitions of Energy - Temperature is a measure of the average kinetic energy of particles of matter. The relationship between the temperature and the total energy of a system depends on the types, states, and amounts of matter present.			
19	DCI	PS3.B: Conservation of Energy and Energy Transfer • Energy is spontaneously transferred out of hotter regions or			
20	DCI	objects and into colder ones. ETS1.A: Defining and Delimiting an Engineering Problem The more precisely a design task's criteria and constraints can be defined, the more likely it is that the designed solution will be successful. Specification of constraints includes consideration of scientific principles and other relevant knowledge that is likely to limit possible solutions.			
21	DCI	ETS1.B: Developing Possible Solutions - A solution needs to be tested, and then modified on the basis of the test results in order to improve it. There are systematic processes for evaluating solutions with respect to how well they meet criteria and constraints of a problem.			
22	SEP	Constructing Explanations and Designing Solutions Constructing explanations and designing solutions in 6–8 builds on K-5 experiences and progresses to include constructing explanations and designing solutions supported by multiple sources of evidence consistent with scientific ideas, principles, and theories.			
		Apply scientific ideas or principles to design, construct, and test a design of an object, tool, process or system. Energy and Matter			
23	ccc	The transfer of energy can be tracked as energy flows through a designed or natural system. MS-PS3-4. Students who demonstrate understanding can:			
24	PE	Plan an investigation to determine the relationships among the energy transferred, the type of matter, the mass, and the change in the average kinetic energy of the particles as measured by the temperature of the sample.		_	
25	DCI	PS3.A: Definitions of Energy			
26	DCI	PS3.B: Conservation of Energy and Energy Transfer • The amount of energy transfer needed to change the temperature of a matter sample by a given amount depends on the nature of the matter, the size of the sample, and the environment.			
27	SEP	Planning and Carrying Out Investigations Planning and carrying out investigations to answer questions or test solutions to problems in 6–8 builds on K–5 experiences and progresses to include investigations that use multiplie variables and provide evidence to support explanations or design solutions. • Plan an investigation individually and collaboratively, and in the design: identify independent and dependent variables and controls, what tools are needed to do the gathering, how measurements will be recorded, and how many data are needed to support a claim.			
28	CONN	Scientific Knowledge is Based on Empirical Evidence • Science knowledge is based upon logical and conceptual connections between evidence and explanations			
29	ccc	Scale, Proportion, and Quantity • Proportional relationships (e.g. speed as the ratio of distance traveled to time taken) among different types of quantities provide information about the magnitude of properties and processes.			
30	PE	MS-PS3-5. Students who demonstrate understanding can: Construct, use, and present arguments to support the claim that when the kinetic energy of an object changes, energy is transferred to or from the object.			
31	DCI	PS3.B: Conservation of Energy and Energy Transfer • When the motion energy of an object changes, there is inevitably some other change in energy at the same time.			
32	SEP	Engaging in Argument from Evidence Engaging in argument from evidence in 6–8 builds on K–5 experiences and progresses to constructing a convincing argument that supports or refutes claims for either explanations or solutions about the natural and designed worlds. Construct, use, and present oral and written arguments supported by empirical evidence and scientific reasoning to support or refute an explanation or a model for a phenomenon.			
33	CONN	Scientific Knowledge is Based on Empirical Evidence • Science knowledge is based upon logical and conceptual connections between evidence and explanations			
34	ccc	Energy and Matter • Energy may take different forms (e.g. energy in fields, thermal			
Water C	ycling, Weather, Clim	energy, energy of motion). ate			
35	PE	MS-ESS2-4. Students who demonstrate understanding can: Develop a model to describe the cycling of water through Earth's systems driven by energy from the sun and the force of gravity.			
36	DCI	ESS2.C: The Roles of Water in Earth's Surface Processes - Water continually cycles among land, ocean, and atmosphere via transpiration, evaporation, condensation and crystallization, and precipitation, as well as downhill flows on land.			
37	DCI	ESS2.C: The Roles of Water in Earth's Surface Processes Global movements of water and its changes in form are propelled by sunlight and gravity.			
38	SEP	Developing and Using Models Modeling in 6-8 builds on K-5 experiences and progresses to developing, using, and revising models to describe, test, and predict more abstract phenomena and design systems. *Develop a model to describe unobservable mechanisms.			
39	ccc	Energy and Matter • Within a natural or designed system, the transfer of energy drives the motion and/or cycling of matter.			
40	PE	MS-ESS2-5. Students who demonstrate understanding can: Collect data to provide evidence for how the motions and complex interactions of air masses result in changes in weather conditions.			
41	DCI	ESS2.C: The Roles of Water in Earth's Surface Processes - The complex patterns of the changes and the movement of water in the atmosphere, determined by winds, landforms, and ocean temperatures and currents, are major determinants of local weather patterns.			
42	DCI	ESS2.D: Weather and Climate Because these patterns are so complex, weather can only be predicted probabilistically.			

43	SEP	Planning and Carrying Out Investigations Planning and carrying out investigations in 6-8 builds on K-5 experiences and progresses to include investigations that use multiple variables and provide evidence to support explanations or solutions Collect data to produce data to serve as the basis for evidence to answer scientific questions or test design solutions under a range			
44	ccc	of conditions. Cause and Effect Cause and effect relationships may be used to predict phenomena in natural or designed systems.			
45	PE	MS-ESS2-6. Students who demonstrate understanding can: Develop and use a model to describe how unequal heating and rotation of the Earth cause patterns of atmospheric and oceanic circulation that determine regional climates.			
46	DCI	ESS2.C: The Roles of Water in Earth's Surface Processes Variations in density due to variations in temperature and salinity drive a global pattern of interconnected ocean currents.			
47	DCI	ESS2.D: Weather and Climate • Weather and climate are influenced by interactions involving sunlight, the ocean, the atmosphere, i.e., landforms, and living things. These interactions vary with latitude, altitude, and local and regional geography, all of which can affect oceanic and atmospheric flow patterns.			
48	DCI	ESS2.D: Weather and Climate • The ocean exerts a major influence on weather and climate by absorbing energy from the sun, releasing it over time, and globally redistributing it through ocean currents.			
49	SEP	Developing and Using Models Modeling in 6-8 builds on K-5 experiences and progresses to developing, using, and revising models to describe, test, and predict more abstract phenomena and design systems. - Develop and use a model to describe phenomena.			
50	ccc	Systems and System Models - Models can be used to represent systems and their interactions—such as inputs, processes and outputs—and energy, matter, and information flows within systems.			
Rock Cy	cling, Plate Tectonic	s MS-ESS2-1.Students who demonstrate understanding can:			
51	PE	MS-ESS2-1.Students wno demonstrate understanding can: Develop a model to describe the cycling of Earth's materials and the flow of energy that drives this process. ESS2.A: Earth's Materials and Systems			
52	DCI	-All Earth processes are the result of energy flowing and matter cycling within and among the planet systems. This energy is derived from the sun and Earth's hot interior. The energy that flows and matter that cycles produce chemical and physical changes in Earth's materials and living organisms.			
53	SEP	Developing and Using Models Modeling in 6–8 builds on K–5 experiences and progresses to developing, using, and revising models to describe, test, and predict more abstract phenomena and design systems. - Develop and use a model to describe phenomena.			
54	ccc	Stability and Change - Explanations of stability and change in natural or designed systems can be constructed by examining the changes over time and processes at different scales, including the atomic scale.			
55	PE	MS-ESS2-2. Students who demonstrate understanding can: Construct an explanation based on evidence for how geoscience processes have changed Earth's surface at varying time and spatial scales.			
56	DCI	Varying time and spatial scales. ESS2.A: Earth's Materials and Systems The planet's systems interact over scales that range from microscopic to global in size, and they operate over fractions of a second to billions of years. These interactions have shaped Earth's history and will determine its future.			
57	DCI	ESS2.C: The Roles of Water in Earth's Surface Processes - Water's movements—both on the land and underground—cause weathering and erosion, which change the land's surface features and create underground formations.			
58	SEP	Constructing Explanations and Designing Solutions Constructing explanations and designing solutions in 6–8 builds on K-5 experiences and progresses to include constructing explanations and designing solutions supported by multiple explanations and designing solutions supported by multiple sources of evidence consistent with scientific ideas, principles, and theories. - Construct a scientific explanation based on valid and reliable evidence obtained from sources (including the students' own experiments) and the assumption that theories and laws that describe nature operate today as they did in the past and will continue to do so in the future.			
59	ccc	Colline to do so in the fludie: Scale Proportion and Quantity -Time, space, and energy phenomena can be observed at various scales using models to study systems that are too large or too small.			
60	PE	MS-ESS2-3. Students who demonstrate understanding can: Analyze and interpret data on the distribution of fossils and rockys, continental shapes, and seafloor structures to provide evidence of the past plate motions.			
61	DCI	SS31.C: The History of Planet Earth Tectonic processes continually generate new ocean sea floor at ridges and destroy old sea floor at trenches.			
62	DCI	ESS2.B: Plate Tectonics and Large-Scale System Interactions • Maps of ancient land and water patterns, based on investigations of rocks and fossils, make clear how Earth's plates have moved great distances, collided, and spread apart.			
63	SEP	Analyzing and Interpreting Data Analyzing data in 6-8 builds on K-5 experiences and progresses to extending quantitative analysis to investigations, distinguishing between correlation and causation, and basic statistical techniques of data and error analysis, Analyze and interpret data to provide evidence for phenomena.			
64	CONN	Scientific Knowledge is Open to Revision in Light of New Evidence - Science findings are frequently revised and/or reinterpreted based on new evidence.			
65	ccc	Patterns Patterns in rates of change and other numerical relationships can provide information about natural systems.			
66	PE	MS-ESS1-4. Students who demonstrate understanding can: Construct a scientific explanation based on evidence from rock strata for how the geologic time scale is used to organize Earth's 4.6-billion-year-old history.			
67	DCI	ESS1.C: The History of Planet Earth The geologic time scale interpreted from rock strata provides a way to organize Earth's history. Analyses of rock strata and the fossil record provide only relative dates, not an absolute scale.			

		Constructing Explanations and Designing Solutions Constructing explanations and designing solutions in 6–8 builds on K-5 experiences and progresses to include constructing explanations and designing solutions supported by multiple sources of evidence consistent with scientific ideas, principles, and				
68		theories. Construct a scientific explanation based on valid and reliable evidence obtained from sources (including the students' own experiments) and the assumption that theories and laws that describe the natural world operate today as they did in the past and will continue to do so in the future.				
69	ccc	Scale, Proportion, and Quantity *Time, space, and energy phenomena can be observed at various scales using models to study systems that are too large or too small.				
Natural	Hazards		•			
		MS-ESS3-2. Students who demonstrate understanding can:				
70		Analyze and interpret data on natural hazards to forecast future catastrophic events and inform the development of technologies to mitigate their effects. ESS3.B: Natural Hazards				
71	DCI	 Mapping the history of natural hazards in a region, combined with an understanding of related geologic forces can help forecast the locations and likelihoods of future events. Analyzing and Interpreting Data 				
72		Analyzing data in 6-8 builds on K-5 and progresses to extending quantitative analysis to investigations, distinguishing between correlation and causation, and basic statistical techniques of data and error analysis. Analyze and interpret data to determine similarities and differences in findings.				
73	ccc	Patterns Graphs, charts, and images can be used to identify patterns in data.				
74	CONN	Influence of Science, Engineering, and Technology on Society and the Natural World The uses of technologies and any limitations on their use are driven by individual or societal needs, desires, and values; by the findings of scientific research; and by differences in such factors as				
		illindings of scientific research, and by offine rices in such factors as climate, natural resources, and economic conditions. Thus technology use varies from region to region and over time. MS-PS4-1. Students who demonstrate understanding can:				
75	PE	Use mathematical representations to describe a simple model for waves that includes how the amplitude of a wave is related to the energy in a wave.				
76	DCI	PS4.A: Wave Properties - A simple wave has a repeating pattern with a specific wavelength, frequency, and amplitude. Using Mathematics and Computational Thinking				
77	SEP	Wathermatical and computational thinking at the 6–8 level builds on K–5 and progresses to identifying patterns in large data sets and using mathematical concepts to support explanations and arguments. - Use mathematical representations to describe and/or support scientific conclusions and design solutions.				
		Scientific Knowledge is Based on Empirical Evidence				
78 79	CONN	Science knowledge is based upon logical and conceptual connections between evidence and explanations. Patterns				
		Graphs and charts can be used to identify patterns in data.				
Organis	m Growth, Cells, and					
80	PE	MS-LS1-1. Students who demonstrate understanding can: Conduct an investigation to provide evidence that living things are made of cells; either one cell or many different numbers and types of cells.				
81	DCI	LS1.A: Structure and Function All living things are made up of cells, which is the smallest unit that can be said to be alive. An organism may consist of one single cell (unicellular) or many different numbers and types of cells (multicellular).				
82	SEP	Planning and Carrying Out Investigations Planning and carrying out investigations in 6-8 builds on K-5 experiences and progresses to include investigations that use multiple variables and provide evidence to support explanations or solutions. Conduct an investigation to produce data to serve as the basis				
83	ccc	for evidence that meet the goals of an investigation. Scale, Proportion, and Quantity Phenomena that can be observed at one scale may not be observable at another scale.				
84	CONN	Interdependence of Science, Engineering, and Technology - Engineering advances have led to important discoveries in virtually every field of science, and scientific discoveries have led to the development of entire industries and engineered systems.				
85	PE	MS-LS1-2. Students who demonstrate understanding can: Develop and use a model to describe the function of a cell as a whole and ways the parts of cells contribute to the function.				
86	DCI	LS1.A: Structure and Function • Within cells, special structures are responsible for particular functions, and the cell membrane forms the boundary that controls what enters and leaves the cell.				
87		Developing and Using Models Modeling in 6-8 builds on K-5 experiences and progresses to developing, using, and revising models to describe, test, and predict more abstract phenomena and design systems. • Develop and use a model to describe phenomena.				
88		Structure and Function *Complex and microscopic structures and systems can be visualized, modeled, and used to describe how their function depends on the relationships among its parts, therefore complex natural structures/systems can be analyzed to determine how they function.				
89	PE	MS-LS1-3. Students who demonstrate understanding can: Use argument supported by evidence for how the body is a system of interacting subsystems composed of groups of cells.				
		LS1.A: Structure and Function			1 1	
90	DCI	 In multicellular organisms, the body is a system of multiple interacting subsystems. These subsystems are groups of cells that work together to form tissues and organs that are specialized for particular body functions. 				

91	SEP	Engaging in Argument from Evidence Engaging in argument from evidence in 6-8 builds on K-5 experiences and progresses to constructing a convincing argument that supports or refutes claims for either explanations or solutions about the natural and designed world(s). - Use an oral and written argument supported by evidence to			
92	ccc	support or refute an explanation or a model for a phenomenon. Systems and System Models - Systems may interact with other systems; they may have subsystems and be a part of larger complex systems.			
93	CONN	Science is a Human Endeavor - Scientists and engineers are guided by habits of mind such as intellectual honesty, tolerance of ambiguity, skepticism, and openness to new ideas.			
94	DE	MS-LS1-8. Students who demonstrate understanding can: Gather and synthesize information that sensory receptors respond to stimuli by sending messages to the brain for immediate behavior or storage as memories.			
95	DCI	LS1.D: Information Processing • Each sense receptor responds to different inputs (electromagnetic, mechanical, chemical), transmitting them as signals that travel along nerve cells to the brain. The signals are then processed in the brain, resulting in immediate behaviors or memories.			
96	SEP	Obtaining, Evaluating, and Communicating Information Obtaining, evaluating, and communicating information in 6-8 builds on K-5 experiences and progresses to evaluating the merit and validity of ideas and methods. -Gather, read, and synthesize information from multiple appropriate sources and assess the credibility, accuracy, and possible bias of each publication and methods used, and describe how they are supported or not supported by evidence. Cause and Effect			
97	ccc	Cause and effect relationships may be used to predict phenomena in natural systems.			
Enginee	ering Design	MS-ETS1-1. Students who demonstrate understanding can:			
98	PE	Define the criteria and constraints of a design problem with sufficient precision to ensure a successful solution, taking into account relevant scientific principles and potential impacts on people and the natural environment that may limit possible solutions.			
99	DCI	ETS1.A: Defining and Delimiting Engineering Problems • The more precisely a design task's criteria and constraints can be defined, the more likely it is that the designed solution will be successful. Specification of constraints includes consideration of scientific principles and other relevant knowledge that are likely to limit possible solutions. (MS-ETS1-1)			
100		Asking Questions and Defining Problems Asking questions and defining problems in grades 6–8 builds on grades K–5 experiences and progresses to specifying relationships between variables, and clarifying arguments and models. Define a design problem that can be solved through the development of an object, tool, process or system and includes multiple criteria and constraints, including scientific knowledge that may limit possible solutions. (MS-ETS1-1)			
101	ccc	Influence of Science, Engineering, and Technology on Society and the Natural World • All human activity draws on natural resources and has both short and long-term consequences, positive as well as negative, for the health of people and the natural environment. (MS-ETS1-1)			
102	ccc	Influence of Science, Engineering, and Technology on Society and the Natural World • The uses of technologies and limitations on their use are driven by individual or societal needs, desires, and values; by the findings of scientific research; and by differences in such factors as climate, natural resources, and economic conditions. (MS-ETS1-1)			
103		MS-ETS1-2. Students who demonstrate understanding can: Evaluate competing design solutions using a systematic process to determine how well they meet the criteria and constraints of the problem.			
104	DCI	ETS1.B: Developing Possible Solutions • There are systematic processes for evaluating solutions with respect to how well they meet the criteria and constraints of a problem. (MS-ETS1-2)			
105	SEP	Engaging in Argument from Evidence Engaging in argument from evidence in 6-8 builds on K-5 experiences and progresses to constructing a convincing argument that supports or refutes claims for either explanations or solutions about the natural and designed world. - Evaluate competing design solutions based on jointly developed and agreed-upon design criteria. (MS-ETS1-2)			
106	PE	MS-ETS1-3. Students who demonstrate understanding can: Analyze data from tests to determine similarities and differences among several design solutions to identify the best characteristics of each that can be combined into a new solutions to better meet the criteria for success.			
107	DCI	ETS1.B: Developing Possible Solutions • There are systematic processes for evaluating solutions with respect to how well they meet the criteria and constraints of a problem. (MS-ETS1-3)			
108	DCI	ETS1.B: Developing Possible Solutions • Sometimes parts of different solutions can be combined to create a solution that is better than any of its predecessors. (MS-ETS1-3)			
109		ETS1.C: Optimizing the Design Solution Although one design may not perform the best across all tests, identifying the characteristics of the design that performed the best in each test can provide useful information for the redesign process—that is, some of those characteristics may be incorporated into the new design. (MS-ETS1-3)			
110	SEP	Analyzing and Interpreting Data Analyzing data in 6–8 builds on K–5 experiences and progresses to extending quantitative analysis to investigations, distinguishing between correlation and causation, and basic statistical techniques of data and error analysis. Analyze and interpret data to determine similarities and differences in findings. (MS-ETS1-3)			
111	F.L.	MS-ETS1-4. Students who demonstrate understanding can: Develop a model to generate data for iterative testing and modification of a proposed object, tool, or process such that an optimal design can be achieved.			
112	DCI	ETS1.B: Developing Possible Solutions • A solution needs to be tested, and then modified on the basis of the test results, in order to improve it. (MS-ETS1-4)			

113	DCI	ETS1.B: Developing Possible Solutions • Models of all kinds are important for testing solutions. (MS-ETS1-4)			
114	DCI	ETS1.C: Optimizing the Design Solution The iterative process of testing the most promising solutions and modifying what is proposed on the basis of the test results leads to greater refinement and ultimately to an optimal solution. (MS-ETS1-4)			
115	SEP	Developing and Using Models Modeling in 6-B builds on K5 experiences and progresses to developing, using, and revising models to describe, test, and predict more abstract phenomena and design systems. - Develop a model to generate data to test ideas about designed systems, including those representing inputs and outputs. (MS- ETS1-4)			

Cost for ELA Carriery and Machini in Grades 64 GOSD 3 NTT 1-1 was already 13, 1985 ESS-13, 1985			Develop a model to generate data to test ideas about designed systems, including those representing inputs and outputs. (MS- ETS1-4)		
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119 CCSS ELA Literary 120 CCSS ELA Literary 131 CCSS ELA Literary 132 CCSS ELA Literary 133 CCSS ELA Literary 134 CCSS ELA Literary 135 CCSS ELA Literary 135 CCSS ELA Literary 136 CCSS ELA Literary 137 CCSS ELA Literary 138 CCSS ELA Literary 139 CCSS ELA Literary 130 CCSS ELA Literary 130 CCSS ELA Literary 131 CCSS ELA Literary 132 CCSS ELA Literary 133 CCSS ELA Literary 134 CCSS ELA Literary 135 CCSS ELA Literary 135 CCSS ELA Literary 136 CCSS ELA Literary 137 CCSS ELA Literary 138 CCSS ELA Literary 139 CCSS ELA Literary 130 CCSS ELA Literary 131 CCSS ELA Literary 132 CCSS ELA Literary 133 CCSS ELA Literary 134 CCSS ELA Literary 135 CCSS ELA Literary 135 CCSS ELA Literary 136 CCSS ELA Literary 137 CCSS ELA Literary 138 CCSS ELA Literary 139 CCSS ELA Literary 130 CCSS ELA Literary 130 CCSS ELA Literary 131 CCSS ELA Literary 132 CCSS ELA Literary 133 CCSS ELA Literary 134 CCSS ELA Literary 135 CCSS ELA Literary 135 CCSS ELA Literary 136 CCSS ELA Literary 137 CCSS ELA Literary 138 CCSS ELA Literary 139 CCSS ELA Literary 130 CCSS ELA Literary 131 CCSS ELA Literary 132 CCSS ELA Literary 133 CCSS ELA Literary 134 CCSS ELA Literary 135 CCSS ELA Literary 136 CCSS ELA Literary 137 CCSS ELA Literary 138 CCSS ELA Literary 139 CCSS ELA Literary 130 CCSS ELA Literary 130 CCSS ELA Literary 131 CCSS ELA Literary 132 CCSS ELA Literary 133 CCSS ELA Literary 134 CCSS ELA Literary 135 CCSS ELA Literary 136 CCSS ELA Literary 137 CCSS ELA Literary 138 CCSS ELA Literary 139 CCSS ELA Literary 130 CCSS ELA Literary 130 CCSS ELA Literary 130 CCSS ELA Literary 131 CCSS ELA Literary 132 CCSS ELA Literary 133 CCSS ELA Literary 134 CCSS ELA Literary 135 CCSS ELA Literary 136 CCSS ELA Literary 137 CCSS ELA Literary 138 CCSS ELA Literary 139 CCSS ELA Literary 140 CCSS ELA Literary			ESS1-4), (MS-ESS3-2), (MS-ETS1-1), (MS-LS1-3), (MS-ETS1-2), (MS-ETS1-3) RST.6-8.3 Follow precisely a multistep procedure when carrying		
110 CCSS ELA/ Literony Words in a find with the vertical of that information expressed Words in a find with the vertical of the control of th			tasks. (MS-PS3-3), (MS-PS3-4)	CC33 ELA/ Elleracy	117
119 CCSS ELA/ Literacy propriements, simulations, video, or multimode accuracy with that grained because and so the same to accuracy and the same accuracy and the same to			in words in a text with a version of that information expressed visually (e.g., in a flowchart, diagram, model, graph, or table). (MS-PS1-4), (MS-ESS2-3), (MS-ESS3-2), (MS-LS1-1), (MS-ETS1-3)	CCSS ELA/ Literacy	118
120 CCSS ELA Literacy WIST 5-8.1 Willia graphers to focused on discipline content. 121 CCSS ELA Literacy WIST 5-8.1 Willia graphers to focused on discipline content. WIST 5-8.1 Willia graphers to focused on discipline content. WIST 5-8.2 Willia focused on discipline content. WIST 5-8.2 Willia focused on discipline content. WIST 5-8.2 William focused william focused on discipline content. WIST 5-8.2 William focused william focused on discipline content. WIST 5-8.2 William focused william focused william focused in content. WIST 5-8.2 William focused william focused william focused in content. WIST 5-8.3 William focused william			experiments, simulations, video, or multimedia sources with that gained from reading a text on the same topic. (MS-ESS2-5), (MS-ESS2-3), (MS-ETS1-2), (MS-ETS1-3)	CCSS ELA/ Literacy	119
CCSS ELA Literary MCS-ESS-5, (MS-ESS-1-3) MCS-ESS-2, (MS-ESS-ESS-2) MCS-ESS-2-3, (MS-ESS-2-3) MCS-ESS-2-3, (MS-ESS-2-3, (MS-ESS-2-3) MCS-ESS-2-3, (MS-ESS-2-3, (MS-ESS-2-3) MCS-ESS-2-3, (MS-ESS-2-3, (MS-ESS-2, (MS-ESS-2-3, (MS-ESS-2-3, (MS-ESS-2-3, (MS-ESS-2-3, (MS-ESS-2,			text, distinguishing claims that are supported by reasons and evidence from claims that are not. (MS-LS1-3)	CCSS ELA/ Literacy	120
122 CCSS ELA Literary 123 CCSS ELA Literary 124 CCSS ELA Literary 125 CCSS ELA Literary 126 CCSS ELA Literary 127 CSS ELA Literary 128 CCSS ELA Literary 129 CCSS ELA Literary 120 CCSS ELA Literary 120 CCSS ELA Literary 120 CCSS ELA Literary 120 CCSS ELA Literary 121 CCSS ELA Literary 122 CCSS ELA Literary 123 CCSS ELA Literary 124 CCSS ELA Literary 125 CCSS ELA Literary 126 CCSS ELA Literary 127 CSS ELA Literary 128 CCSS ELA Literary 129 CCSS ELA Literary 120 CCSS ELA Literary 121 CCSS ELA Literary 122 CCSS ELA Literary 123 CCSS ELA Literary 124 CCSS ELA Literary 125 CCSS ELA Literary 126 CCSS ELA Literary 127 CCSS ELA Literary 128 CCSS ELA Literary 129 CCSS ELA Literary 120 CCSS ELA Literary 121 CCSS ELA Literary 122 CCSS Math 123 CCSS Math 124 CCSS Math 125 CCSS Math 126 CCSS Math 127 CCSS Math 128 CCSS Math 129 CCSS Math 129 CCSS Math 120 CCSS Math 121 CCSS Math 122 CCSS Math 123 CCSS Math 124 CCSS Math 125 CCSS Math 126 CCSS Math 127 CCSS Math 128 CCSS Math 129 CCSS Math 129 CCSS Math 120			(MS-PS3-5), (MS-LS1-3)	CCSS ELA/ Literacy	121
CCSS ELA Literacy of querienting additional related floated present sources			and convey ideas, concepts, and information through the selection, organization, and analysis of relevant content. (MS-ESS2-2), (MS-ESS1-4)	CCSS ELA/ Literacy	122
digital sources, using search terms effectively; assesses the credibility and accuracy of each source; and quote or paraphrase the data and conclusions of others while avoiding plagiarism and bittowing a standard format for childron. 125 CCSS ELA/ Literacy WIST.6-8.9 Draw evide, mc british and treatment of the concept of a ratio and research. (MS-ETS.1-2) S.B. S. Integrate multimedia and visual displays into presentations to clarify information, strengthen claims and evidence, and add interest. (MS-PS-4-2) (MS-ESS-2-6), (MS-ESS-2-1), (MS-ESS-2-1), (MS-ESS-2-2), (MS			(including a self-generated question), drawing on several sources and generating additional related, focused questions that allow for multiple avenues of exploration. (MS-PS3-3), (MS-ETS1-2), (MS-PS3-4)	CCSS ELA/ Literacy	123
126 CCSS ELA/ Literacy analysis, reflection, and research. (MS-FST-12) 127 CCSS Math 128 CCSS Math 129 CCSS Math 129 CCSS Math 120 CCSS Math 120 CCSS Math 121 CCSS Math 122 CCSS Math 123 CCSS Math 124 CCSS Math 125 CCSS Math 126 CCSS Math 127 CCSS Math 127 CCSS Math 128 CCSS Math 129 CCSS Math 129 CCSS Math 120 CCSS Math 130 CCSS Math 131 CCSS Math 131 CCSS Math 132 CCSS Math 133 CCSS Math 133 CCSS Math 133 CCSS Math 135 CCSS Math 146 CCSS Math 156 CCSS Math 156 CCSS Math 157 CCSS Math 158 CCSS			digital sources, using search terms effectively; assess the credibility and accuracy of each source; and quote or paraphrase the data and conclusions of others while avoiding plagiarism and following a standard format for citation.	CCSS ELA/ Literacy	124
to clarify information, strengthen claims and evidence, and add interest. (MS-PS4-2), (MS-ESS2-9), (MS-ESS2-1), (MS-ESS2-1			analysis, reflection, and research. (MS-ETS1-2)	CCSS ELA/ Literacy	125
Grades 6-8 CCSS Math			to clarify information, strengthen claims and evidence, and add interest. (MS-PS4-2), (MS-ESS2-6), (MS-ESS2-1), (MS-ESS2-2), (MS-	CCSS ELA/ Literacy	126
CCSS Math (MS-PS3-4), (MS-PS3-5), (MS-ESS2-2), (MS-ESS2-3), (MS-ESS2-3), (MS-PS3-4), (MS-ESS1-4), (MS-ESS1-2), (MS-ESS1-2), (MS-ESS1-4), (MS-ESS1-4), (MS-ESS1-4), (MS-ESS1-4), (MS-ESS1-4), (MS-ESS1-4), (MS-ESS1-4)			r 34-1), (W3-L31-2), (W3-L131-4)		Grades
CCSS Math (MS-PS4-1)			(MS-PS3-4), (MS-PS3 ⁻ 5, (MS-ESS2-5), (MS-ESS2-2), (MS-ESS3-3), (MS-ESS3-2), (MS-PS4-1), (MS-ETS1-1), (MS-ETS1-2), (MS-	CCSS Math	127
to describe a ratio relationship between two quantities. (MS-PS3-5), (MS-PS4-1) 130 CCSS Math 6.RP.A.3 Use ratio and rate reasoning to solve real-world and mathematical problems. (MS-PS4-61) 131 CCSS Math CCSS Mat					128
131 CCSS Math mathematical problems. (MS-PS4-1) 7.RP.A.2 Recognize and represent proportional relationships between quantities. (MS-PS3-5), (MS-PS4-1) 6.NS.C.5 Understand that positive and negative numbers are used together to describe quantities having opposite directions or values (e.g., temperature above/below zero, elevation above/below as ea level, credits/debits, positive/negative electric charge); use positive and negative numbers to represent quantities in real-world contexts, explaining the meaning of 0 in each situation. (MS-PS1-4), (MS-ESS2-5) 6.E.E.B.6 Use variables to represent numbers and write expressions when solving a real-world or mathematical problem; understand that a variable can represent an unknown number, or,			to describe a ratio relationship between two quantities. (MS-PS3-5), (MS-PS4-1)	CCSS Math	129
(MS-PS3-5), (MS-PS4-1) 6.NS.C.5 Understand that positive and negative numbers are used together to describe quantities having opposite directions or values (e.g., temperature above/below zero, elevation above/below sea level, credits/debits, positive/negative electric charge); use positive and negative numbers to represent quantities in real-world contexts, explaining the meaning of 0 in each situation. (MS-PS1-M), (MS-ESS2-5) 6.EE.B.6 Use variables to represent numbers and write expressions when solving a real-world or mathematical problem; understand that a variable can represent an unknown number, or,			mathematical problems. (MS-PS4-1)	CCSS Math	130
(e.g., temperature above/below zero, elevation above/below sea level, credits/debits, positive/negative electric charge); use positive and negative numbers to represent quantities in real-world contexts, explaining the meaning of 0 in each situation. (MS-PS1-M, (MS-ESS2-5) 6.EE.B.6 Use variables to represent numbers and write expressions when solving a real-world or mathematical problem; understand that a variable can represent an unknown number, or,			(MS-PS3-5), (MS-PS4-1) 6.NS.C.5 Understand that positive and negative numbers are used		131
expressions when solving a real-world or mathematical problem; understand that a variable can represent an unknown number, or,			(e.g., temperature above/below zero, elevation above/below sea level, credits/debits, positive/negative electric charge); use positive and negative numbers to represent quantities in real-world contexts, explaining the meaning of 0 in each situation. (MS-PS1-4), (MS-ESS2-5)	CCSS Math	132
(MS-ESS2-2), (MS-ESS2-3), (MS-ESS1-4), (MS-ESS3-2)			expressions when solving a real-world or mathematical problem; understand that a variable can represent an unknown number, or, depending on the purpose at hand, any number in a specified set. (MS-ESS2-2), (MS-ESS2-3), (MS-ESS1-4), (MS-ESS3-2)	CCSS Math	133
6.EE.C.9 Use variables to represent two quantities in a real-world problem that change in relationship to one another; write an equation to express one quantity, thought of as the dependent variable. In terms of the other quantity, thought of as the independent variable. Analyze the relationship between the dependent and independent variables using graphs and tables, and relate these to the equation. (MS-LS1-1), (MS-LS1-2), (MS-LS1-3)			problem that change in relationship to one another, write an equation to express one quantity, thought of as the dependent variable, in terms of the other quantity, thought of as the independent variable. Analyze the relationship between the dependent and independent variables using graphs and tables, and relate these to the equation. (MS-LS1-1), (MS-LS1-2), (MS-LS1-3).	CCSS Math	134
135 CCSS Math Apply properties of operations to calculate with numbers in any form; convert between forms as appropriate; and assess the reasonableness of answers using mental computation and estimation strategies. (MS-ETS1-1),(MS-ETS1-2),(MS-ETS1-3)			posed with positive and negative rational numbers in any form (whole numbers, fractions, and decimals), using tools strategically. Apply properties of operations to calculate with numbers in any form; convert between forms as appropriate; and assess the reasonableness of answers using mental computation and estimation strateoies.	CCSS Math	135

136	CCSS Math	7.EE.B.4 Use variables to represent quantities in a real-world or mathematical problem, and construct simple equations and inequalities to solve problems by reasoning about the quantities. (MS-ESS2-2), (MS-ESS2-3), (MS-ESS3-3)			
137	CCSS Math	8.F.A.3 Interpret the equation y = mx + b as defining a linear function, whose graph is a straight line; give examples of functions that are not linear. (MS-PS3-5), (MS-PS4-1)			
138	CCSS Math	6.SP.B.5 Summarize numerical data sets in relation to their context. (MS-PS3-4)			
139	CCSS Math	7.S.P.7 Develop a probability model and use it to find probabilities of events. Compare probabilities from a model to observed frequencies; if the agreement is not good, explain possible sources of the discrepancy (MS-ET31-4)			

	2: Science Content Review							
Publist Edition with whole cite For this conciss O The m	HER/PROVIDER INSTRUCTIONS: ner/provider citations for this section will refer to the Teache, and/or Student Workbook should correspond with titles an nat is cited on the Form F. If the review set is an online plat d on the Form F and submitted for review by the review tea s section, the publisher/provider will enter one citation per c e and should allow the reviewer to easily determine that all Column C: Enter one citation in Column C from either the Each citation should direct the reviewer to a specific locatio aterial will be scored for alignment with each criterion as "M NOTE: You may not use a citation more than once acro	d ISBNs entered on the Form form only, then that is what she. riterion (Column C). Each cit components of the criterion h. Teacher Edition (teacher-fair in the materials that best meets expectations", "Partially	ation should ation should ave been noting core eets the cr meets expenses	age, whether in print, online, or b ted on the Form F and submitted ld direct the reviewer to a specific net. Each citation should cover nematerial) OR Student Edition/S iterion.	oth. The review set submitted for review by the review team clocation in the materials that o more than 3 pages within the tudent Workbook (student-fi	I to the sur s. If the re best meets materials acing core	nmer review institute should also view set is in print only, then that a the criterion. The citations shou .	correspond is what should
	Reviewer directions for Science Content Review:	(teacher-facing core material) OR (student-facing core material) (pri the cited material and score the mat meets the criterion: o M = Meets the criterion o P = Partially meets the criterion o D = Does not meet the criterion	Student Edi int and/or dig terial by deter is required or that scores a F. If the reas options, enter	pital) for each criterion. Review mining the degree to which it will follow the degree to which it along the degree to have a configuration on for scoring the materials revour own evidence statement will turn purple as you score	Columns G.J. Using either the To OR Student Edition/Student Worf (print and/or digital), provide a cital and addresses and importes of the transport of the state of the state of the evidence from the material to say of M. Meets the criterion of P. Partally meets the criterion o Each cell in the Reviewer's Evidence column (columns G, score the materials.			
Criteria #	Grade K-12 Science Content Criteria	Publisher/Provider Citation	Score	If Scored D: Reviewer's Evidence for Publisher Citation	Reviewer Citation	Score	Required: Reviewer's Evidence	Comments, other citations, notes
Instruct	AREA 1: PHENOMENA-/PROBLEM-BASED AND THREE ional materials are centered around high quality phenomensional approach to make sense of the phenomena or	nena and/or problems and						
1	Materials clearly integrate and describe the three- dimensional NM STEM Ready! Standards via appropriate grade-band, interdisciplinary progressions that center around the phenomena, utilizing aligned SEPs, CCCs, DCIs and the common core math and ELA standards' connections.							
2	Materials consistently support meaningful student sensemaking with the three dimensions, including discourse, that is appropriate to grade band progressions, instruction and assessment.							
3	Natural and designed phenomena and/or problems that are meaningful and apparent to students drive coherent lessons and activities in all three dimensions.							
	AREA 2: THREE-DIMENSIONAL ASSESSMENT nents provide tools, guidance and support for teachers	to collect, interpret and act	on data					
	udent progress toward the learning goals of the 3 dime				I	ı	I	T
4	Materials engage students in meaningful tasks as well as multiple assessment types and opportunities, across all dimensions, in order to make sense of phenomena and/or design solutions to problems.							
5	Materials include opportunities for students to obtain feedback from teachers and peers as well as opportunities for student self-reflection.							
	AREA 3: TEACHER SUPPORTS s include opportunities for teachers to effectively plan a	and utilize materials.						
6	Materials provide a comprehensive list of supplies and teacher guidance needed to support instructional activities in a safe manner.							
7	Materials provide teacher guidance for the use of embedded and meaningful technology to support and enhance student learning, when applicable.							
8	Materials and assessments include teacher guidance for students at, approaching, or exceeding grade level expectations.							
9	Materials provide teacher guidance for interpreting student evidence of learning, monitoring student progress and providing feedback to guide student learning and to modify instruction.							
	AREA 4: STUDENT CENTERED INSTRUCTION s are designed for each student's regular and active pa	rticipation in science conte	nt.					
10	Materials provide opportunities to engage students' curiosity and participation in a way that pulls from their prior knowledge and connects their learning to relevant phenomena and problems.							
11	The flow of lessons from one unit to the next is coherent, meaningful, direct, and apparent to students.							
	AREA 5: EQUITY					-		
Material 12	s are designed for all learners. Materials provide extensions and/or opportunities for all students to engage in learning grade-level/band science and engineering in greater depth.							
13	and engineering in greater depth. Materials and assessments are designed in an accessible manner and include multiple ways for all students to build and reflect on science knowledge; multiple ways for all students to access content (Universal Design for Learning); and multiple opportunities for student self-reflection.							

	2: All Content Review								
• The All from th	HER/PROVIDER INSTRUCTIONS: Content tab will be completed solely by the reviewers. The material based on their overall review of the material. You aterial will be scored for alignment with each criterion as "Monot meet expectations".	ou will not pr	ovide any citations for this tab.						
Reviewer directions for All Content Review:			: The criteria presented on this tab will be scored and evidence ed on your overall review of the materials. Review the material, erial by determining the degree to which it meets each criterion, and ence from the material to support your determination: the criterion you meets the criterion onto the the criterion should speak to where in the materials you have found the rell as what is in the materials that supports the score given. In the Score column and the Reviewer's Evidence column C and E) will turn purple as you score the materials.						
Criteria #	All Content Criteria Review	Score	Required: Reviewer's Evidence from Material	Comments, citations, notes					
Instructi	AREA 1: COHERENCE onal materials are coherent and consistent with the Ne tudents should study in order to be college- and caree		ontent Standards						
1	Instructional materials address the full content contained in the standards for all students by grade level.								
2	Instructional materials support students to show mastery of each standard.								
3	Instructional materials require students to engage at a level of maturity appropriate to the grade level under review.								
4	Instructional materials are coherent, making meaningful connections for students by linking the standards within a lesson and unit.								
	AREA 2: WELL-DESIGNED LESSONS onal materials take into account effective lesson struct	ture and pac	cing.						
5	The Teacher Edition presents learning progressions to provide an overview of the scope and sequence of skills and concepts. The design of the assignments shows a purposeful sequencing of teaching and learning expectations.								
6	Within each lesson of the instructional materials, there are clear, measurable, standards-aligned content objectives.								
7	Within each lesson of the instructional materials, there are clear, measurable language objectives tied directly to the content objectives.								
8	Instructional materials provide focused resources to support students' acquisition of both general academic vocabulary and content-specific vocabulary.								
9	The visual design of the instructional materials (whether in print or digital) maintains a consistent layout that supports student engagement with the subject.								
10	Instructional materials incorporate features that aid students and teachers in making meaning of the text.								
11	Instructional materials provide students with ongoing review and practice for the purpose of retaining previously acquired knowledge.								
Instructi	FOCUS AREA 3: RESOURCES FOR PLANNING Instructional materials provide teacher resources to support planning, learning, and understanding of the New Mexico Content Standards.								
12	Instructional materials provide a list of lessons in the Teacher Edition (in print or clearly distinguished/ accessible as a teacher's edition in digital materials), cross-referencing the standards addressed and providing an estimated instructional time for each lesson, chapter, and unit.								
13	Instructional materials support teachers with instructional strategies to help guide students' academic development.								
14	Instructional materials include a teacher edition/ teacher- facing material with useful annotations and suggestions on how to present the content in the student edition/student-facing material and in the supporting material.								

15	Instructional materials integrate opportunities for digital learning, including interactive digital components.					
FOCUS AREA 4: ASSESSMENT Instructional materials offer teachers a variety of assessment resources and tools to collect ongoing data about student progress related to the standards.						
16	Instructional materials provide a variety of assessments that measure student progress in all strands of the standards for the content under review. (Adopted New Mexico Content Standards for 2024: NM STEM Ready Science Standards)					
17	Instructional materials provide multiple formative and summative assessments, clearly defining which standards are being assessed through content and language objectives.					
18	Instructional materials provide scoring guides for assessments that are aligned with the standards they address, and that offer teachers guidance in interpreting student performance and suggestions for further instruction, differentiation, remediation and/or acceleration.					
19	Instructional materials provide appropriate assessment alternatives for English Learners, Culturally and Linguistically Diverse students, advanced students, and special needs students.					
20	Instructional materials include opportunities to assess student understanding and knowledge of the standards using technology.					
FOCUS AREA 5: EXTENSIVE SUPPORT Instructional materials give all students extensive opportunities and support to explore key concepts.						
21	Instructional materials can be customized or adapted to meet the needs of different student populations.					
22	Instructional materials provide differentiated strategies and/or activities to meet the needs of students working below proficiency and those of advanced learners.					
23	Instructional materials provide appropriate linguistic support for English Learners and Culturally and Linguistically Diverse students, and accommodations and modifications for other special populations that will support their regular and active participation in learning content.					
24	Instructional materials provide strategies and resources for teachers to inform and engage parents, family members, and caregivers of all learners about the program and provide suggestions for how they can help support student progress and achievement.					
25	Instructional materials include opportunities for all students that encourage and support critical and creative thinking, inquiry, and complex problem-solving skills.					
FOCUS AREA 6: CULTURAL AND LINGUISTIC PERSPECTIVES Instructional materials represent a variety of cultural and linguistic perspectives.						
26	Instructional materials inform culturally and linguistically responsive pedagogy by affirming students' backgrounds in the materials themselves and in the student discussions.					
27	Instructional materials provide a collection of images, stories, and information, representing a broad range of demographic groups, and do not make generalizations or reinforce stereotypes.					
28	Instructional materials provide context, illustrations, and activities for students to make interdisciplinary connections and/or connections to real-life experiences and diverse cultural and linguistic backgrounds.					
FOCUS AREA 7: INCLUSION OF CULTURALLY AND LINGUISTICALLY RESPONSIVE LENS Instructional materials highlight diversity in culture and language through multiple perspectives.						
29	Instructional materials include tools and resources to relate the content area appropriately to diversity in culture and language.	J				
30	Instructional materials include tools and resources that demonstrate multiple perspectives in a specific concept.					

31	Instructional materials engage students in critical reflection about their own lives and societies, including cultures past and present in New Mexico.		
	Instructional materials address multiple ethnic descriptions, interpretations, or perspectives of events and experiences.		