PERFORMANCE INDICATOR	K			1st			2nd				3rd				4th		
	Animals Two By Two	Materials in Our World	Simple Engineering/Paper Table	Pebbles, Sand and Silt	Balance and Motion	EiE/Civil Eng:Bridge Building	Air and Weather	Solids and Liquids	EiE/Chem Engineering: Play Dough	Insects	Measurement	Structures of Life	Water	EiE/Ind Eng: Simple Machines	Matter and Energy	Sun, Moon, and Stars	Magnetism and Electricity
STANDARD 1: Mathematical Analysis																	
M1.1 Use mathematical notation and symbolism to communicate in mathematics and compare and describe quantities and relationships	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
M2.1 Use simple logical reasoning to develop conclusions, recognizing that patterns and relationships assist them in making conclusions	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
M3.1 Explore and solve problems using concrete objects and manipulatives such as a balance, graduated cylinder, ruler	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STANDARD 1: Scientific Inquiry																	
S1.1 Ask "why" questions in attempts to seek greater understanding of events they have observed or heard about	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
S1.2 Question the explanations they hear from others and read about, seek clarification, and compare to their own	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
S1.3 Develop relationships among observations to construct tentative explanations for what they have observed	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
S2.1 Develop written plans for exploring phenomena or for evaluating explanations guided by questions			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
S2.2 Share their research plans with others and revise based on suggestions	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
S2.3 Carry out plans for exploring phenomena using appropriate inquiry and process skills	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
S3.1 Organize observations and measurements through classification and preparation of charts and tables	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

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S3.2 Interpret observations and measurements and recognize relationships	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
S3.3 Share findings with others and seek their ideas	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
S3.4 Adjust understandings based on findings or new ideas	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STANDARD 1: Engineering Design																	
T1.1 Describe objects, imaginary or real, that might be modeled or made differently and suggest ways to improve		X	X		X	X			X		X			X			X
T1.2 Investigate prior solutions and ideas from various resources	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
T1.3 Generate ideas for possible solutions, apply math and science skills, evaluate and determine the best solution, and justify your choices	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
T1.4 Plan and build a model of a solution		X	X		X	X	x		X		X				X		X
T1.5 Discuss how best to test the solution, perform, record, discuss, summarize, and suggest improvements	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STANDARD 2: Information Systems																	
1: Information technology is used to retrieve, process, and communicate information and is a tool for learning						X			X					X			
2: Knowledge of the impacts and limitations of information systems is essential to its effective and ethical use						X			X					X			
3: Information technology can have a positive and negative impact on society, depending on its use						X			X					X			
STANDARD 4: Physical Environment																	

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1.1a Natural patterns and cycles include, Earth's rotation and revolution, seasons, Moon phases							X									X	
1.1b Humans organize time into units based on natural motions of earth							X									X	
1.1c The Sun and other stars appear to move in a recognizable pattern both daily and seasonally.							X									X	
2.1a Weather is the condition of the outside air at a particular moment							X										
2.1b Weather can be described and measured by temperature, wind speed and direction, precipitation, and sky conditions							X										
2.1c Water is recycled by evaporation, condensation, precipitation, runoff, and groundwater							X						X				
2.1d Erosion and deposition result from the interaction among air, water, and land				X			X						X				
2.1e Extreme natural events may have positive or negative impacts on living things	X						X			X		X	X				
3.1a Matter takes up space and has mass. Two objects cannot occupy the same place at the same time.								X	X		X				X		
3.1b Matter has properties that can be observed through the senses.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3.1c Objects have properties that can be observed, described, and/or measured	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3.1d Measurements can be made with standard metric units and nonstandard units (meteorology).											X	X	X	X	X	X	X
3.1e The material an object is made up of determines some specific properties of the object. Properties can be observed.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

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3.1f Objects and/or materials can be sorted or classified according to their properties	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3.1g Some properties of an object are dependent on the conditions of the present surroundings	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3.2a Matter exists in three states: solid, liquid, gas; each with distinct properties							X	X	X				X		X		
3.2b Temperature can affect the state of matter of a substance							X	X	X				X		X		
3.2c Changes in the properties of materials can be observed and	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4.1a Energy exists in various forms: heat, electric, sound, chemical, mechanical, and light					X		X	X	X					X	X		X
4.1b Energy can be transferred from one place to another.														X	X		X
4.1c Some materials transfer energy better than others (heat/electricity)															X		X
4.1d Energy and matter interact: water is evaporated by Sun's heat; a bulb is lighted by electricity							X						X		X	X	X
4.1e Electricity travels in a closed circuit																	X
4.1f Heat can be released in many ways (burning, friction, or combining substances)					X										X		
4.1g Interactions with forms of energy can be either helpful or harmful															X		
4.2a Everyday events involve one form of energy being changed to another															X		

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4.2b Humans utilize interactions between matter and energy and changes between forms of energy															X		
5.1a The position of an object can be described by locating it relative to another object or the background	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5.1b The position or direction of motion of an object can be changed by pushing or pulling					X									X			
5.1c The force of gravity pulls objects toward the center of Earth																X	
5.1d The amount of change in the motion of an object is affected by friction.					X									X			
5.1e Magnetism is a force that may attract or repel certain materials																	X
5.1f Mechanical energy may cause change in motion through the application of force and simple machines														X			
5.2a The forces of magnetism and gravity can affect objects through gases, liquids, and solids																X	X
5.2b The forces of magnetism on objects decreases as distance increases.																	X
STANDARD 4: Living Environment																	
1.1 Describe the characteristics of and variations between living and nonliving things	X	X								X		X					
1.2 Describe the life processes common to all living things	X	X								X		X					
2.1 Recognize that traits of living things are both inherited and learned	X									X		X					
2.2 Recognize that for humans and other living things there is genetic continuity between generations	X									X		X					

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3.1 Describe how the structures of plants and animals complement their environment	X	X								X		X					
3.2 Observe that differences within the species may give individuals an advantage in surviving and reproducing	X	X								X		X					
4.1 Describe the major stages in the life cycles of selected plants and animals	X									X		X					
4.2 Describe evidence of growth, repair, and maintenance	X	X								X		X					
5.1 Describe basic life functions of common living specimens	X									X		X					
5.2 Describe some survival behaviors of common living specimens	X											X					
5.3 Describe the factors that help promote good health and growth in humans	X											X					
6.1 Describe how plants and animals depend on each other and the nonliving environment	X	X								X		X					
6.2 Describe the relationship of the Sun as an energy source							X								X	X	
7.1 Identify ways in which humans have changed their environment and the effects of those changes		X															
STANDARD 6: Interconnectedness																	
1: Through systems thinking, they recognize commonalities that exist and how parts of a system interrelate and combine to perform special functions	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2: Models are simplified representations	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

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3: Grouping by magnitudes into a series provides a useful way to deal with the immense range and changes in scale	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4: Equilibrium is a state of stability	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5: Identifying patterns for change is necessary for making predictions about future behavior and conditions	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
6: In order to arrive at the best solution to meet criteria and constraints, trade-offs are often necessary			X			X			X					X			
STANDARD 7: Interdisciplinary Problem Solving																	
1: The knowledge and skills of mathematics, science, and technology are used together to make informed decisions and solve problems	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2: Solving interdisciplinary problems involves a variety of skills and strategies such as effective work habits, gathering information, generating ideas, making connections, and presenting ideas	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X