

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
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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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					

