Helena Public Schools Gr 5 Teacher Desk Reference

Fifth Grade Standards/ Benchmarks	IDEA	Skill	Subject completed? (Y/N)	Resources available?	Knowledge of Subject	Was this effective?	Comment
1.1	I/D	Follows and uses the steps of the scientific method to conduct a scientific investigation					
1.1	I/D	Identify manipulated variables					
1.1	I/D	Develops respect for classroom equipment and use safe laboratory procedures					
1.2	I/D	Develop the use of the metric system, to measure length, mass, volume, density, weight, and temperature					
1.2	I	Will use SI units to collect data measure, and draw conclusions					
1.3	I	Students will incorporate scientific method and explain scientific experiments based upon gathered evidence					
1.4	D	Explore relationships among parts of a familiar system					
1.4	D	Discover cause and effect relationships within the system					
1.5	I/D	Construct models to illustrate scientific concepts and discover relationships					
1.6	D	Understand and identify results of controlled experiments					

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Fifth Grade			Subject				
Standards/ Benchmarks	IDEA	Skill	completed? (Y/N)	Resources available?	Knowledge of Subject	Was this effective?	Comment
		Classifies rocks and minerals according to the characteristic properties of the	(1/11)	available:	or subject	enective:	Comment
2.1	D	substance					
2.1	D	Examine chemical properties of minerals and crystals					
2.2	D	Construct a simple model of an atom					
2.2	D	Examine the parts of an atom (protons, neutrons and electrons) and their respective electrical charges					
2.2	D	Investigate properties of molecules and compounds					
2.4	D	Develop an understanding of the effects of forces on an object, analyzing and recording those effects					
2.5	D	Compares and maximizes the application of a student-constructed simple machine					
2.6	I/D	Define energy and apply the laws of motion					
2.6	I	Introduce forms of energy (e.g. light, heat, motion, magnetism, electricity, sound or mechanical waves					
3.1	D	Investigate structure of plant and animal cells					
3.1	I	Describe structure and functions of plant and animal cells and their parts					
3.2	I	Investigates plant system(s) (e.g photosynthesis)					
3.2	I	Investigates body system(s) (e.g. integumentary, skeletal, circulatory, digestive, respiratory, nervous or muscular)				_	

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Fifth Grade			Subject				
Standards/			completed?	Resources	Knowledge	Was this	
Benchmarks	IDEA	Skill	(Y/N)	available?	of Subject	effective?	Comment
		Investigates differences between					
3.3	I	reproductive processes in plants					
	_	Discuss the reproductive principles in					
3.3	I	animals					
		Identify the structure and function of					
3.4	D	various systems of living organisms					
		Analyzes how humans have affected the					
3.4	I	environment in which he lives					
		Describe differences between one-celled					
3.5	D	and multi-celled organisms					
		Classify rocks and minerals according to					
	_	the characteristic properties of the					
4.2	1	substance					
		Explore scientific careers and					
5.1	D	opportunities in science					
		Use group process to conduct scientific					
5.2	I	investigations					
		Identify community connections with					
5.3	D	scientific investigations					
		Uses scientific knowledge to discuss issues					
		(e.g. air, land, and water pollution,					
5.4		recycling to conserve resources, reusing,					
5.4	D	reducing waste, etc.)					
	_	Awareness of changes in scientific					
6.1	D	knowledge					
		Awareness of scientific discoveries and					
6.2	I/D	their impact on society.					