Physical Science Curriculum Map for grade 9

Unit Name / Topic	Strand/ Substrand	Standard (The student will)	Benchmark (The student will)	Key Learnings (written as statement)	Activities used	Resources used	Assessment of learning
(specific timeframe, if any)							
	of Science/Scientific World View	Understand the nature of scientific ways of thinking & that scientific knowledge changes and accumulates over time.	Be able to distinguish among hypothesis, theory and law as scientific terms and how they are used to answer a specific question.		Designer Planes	Lab manual, textbook, LCD projector	Lab report, Unit test
			2. Be able to explain how scientific and technoligical inovations as well as new evidence can challenge portions of, or entire accepted theories and models including, but not limited to cell theory, atomic theory, theory of evolution, plate technonic theory, germ theory of disease, and big bang theory.	1	lab, Reading and class	Boxes and sticks, lab manual, textbook, LCD projector	Lab report, Unit test
				criteria.	Experimental design project, practice labs	Lab manual, textbook, LCD panel, Internet, Media Center	Lab report, Unit test
Experimental Design Unit	History and Nature of Science/Scientific Inquiry	Design and conduct scientific investigations.	Design and complete a scientific experiment using scientific methods by determining a testable question, making hypothesis, designing a scientific investigation with appropriate controls, analyzing data, making conclusions based on evidence and comparing conclusions to the original hypothesis and prior knowledge.	The design and completion of a scientific experiment uses the scientific method.		Lab manual, text, LCD panel, Internet, Media Center	Project report
			2. Distinguish between qualitative and quantitative data.	There is a difference between qualitative and quantitative data.	Qual. Vs. Quant labs, (many labs throughout the lab manual)	Lab manual, text	lab reports, test/quiz

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