UNIT	SKILLS	TYPE OF ASSESSMENT USED
Chapter 1	Scientific method	Manipulative skills
	Observing and inferring	Lab performances
The Nature of Science	Theories and law	Chapter test:
		- multiple choice
		- short answer
		- listing
		- summarizing
		- identifying
Chapter 2	Lab safety	Manipulative skills
	Units and standards	Lab performances
Measurement	Accuracy and precision	Mathematics computation using formulas and
	Measuring length, mass and volume	labels of units
	Density	• Chapter test:
	Time and temperature	- multiple choice
		- measuring
		- mathematical computation
		- manipulative skills
Chapter 8	• The properties of and identifying the four	Manipulative skills
C-1:1- I::11-C	states of matter	• Lab performances
Solids, Liquids and Gases	Kinetic Theory of Matter	Mathematical computation using formulas
	Thermal expansion	• Journals
	Six properties of air	• Chapter test:
	• Pressure	- multiple choice
	Archimedes' Principle (buoyancy)	
	Pascal's Principle (pressure)	
	Bernoulli's Principle (pressure)	
	Changing states of matter	
	Heat of fusion and heat of vaporization	
	Measuring and converting temperature	
	Graphing	

UNIT	SKILLS	TYPE OF ASSESSMENT USED
Chapter 9	Substances: elements and compounds	Lab performances
	• Mixtures: homogeneous and heterogeneous	• Journals
Classification of Matter	Solutions, suspension and colloids	• Chapter test:
	• Properties of matter: physical and chemical	- multiple choice
	• Change of matter: physical and chemical	- mini essay
		- listing
		- identifying
		- fill-in-the-blank
Chapter 10	• Elements and their chemical symbols	• Drawing atomic models
	Models of the atom	Report/project
Atomic Structure and the	Parts of the atom	• Creating an element square
Periodic Table	Electron cloud	Chapter test:
	Atomic mass	- multiple choice
	• Isotopes	- atomic model diagrams
	Structure of the periodic table	- identifying
	• Groups of the elements	- true/false
	• Periods of the elements	- math computation
	Chemical activity	- mini essay
Chapter 11	• Electron loss and gain (ionic bonds)	
Chemical Bonds	• Electron sharing (covalent bonds)	
Chapter 5	Kinetic energy	Lab performances
	Potential energy	Manipulative skills
Energy	Mechanical energy	Chapter test
	Work & energy transfer	- true/false
	Energy conservation	- short answer
	Temperature	- drawing/free response
	• TE	- identifying
	• Heat	- fill in the blank
		- mathematical computation
Chapter 6	Conduction, convection, radiation	• Lab performances
Heat in Our World	R-Value - preventing	• Chapter test
	Heat loss	- short answer/free response
		- mathematical computation

UNIT	SKILLS	TYPE OF ASSESSMENT USED
Chapter 3	Speed and velocity	Lab performances
	Acceleration	Mathematical computation using formulas and
Motion	• Forces	labels of units
	• Friction	Chapter test:
	Inertia	- multiple choice
	Newton's 1st Law of Motion	- mathematical computation
	Mass, gravity and weight	- short answer
Chapter 4	Newton's 2nd Law of Motion	Mathematical computation using formulas and
	• Falling objects	labels of units
The Laws of Motion	• Projectiles	Sea Breeze field trip
	Circular motion: centrifugal force and	• Journals
	centripetal force	Chapter test:
	Newton's 3rd Law of Motion	- multiple choice
	Momentum	- fill-in-the-blank
		- mathematical
		- computation
		- open/free response
Daily, Monthly and	Moons, planets, asteroids, comets in our solar	Lab performances
Seasonal Changes on	system	Chapter test
Earth	Our sun	
	• Reasons for identifying the phases of the moo	n
	• Predictable motions within the solar system	
	Gravity in our solar system	
	• Reasons for and identifying the seasons	
	Rotation vs. revolution	