

Time Frame	Unit	Standards	Evidence of Understanding	Assessment
1.5 wks- Aug/Sept	Scientific Method	Scientific Method used in daily activity	Apply the Scientific Method to everyday problem-solving	Worksheets
2 wks - Sept	Measurement	Measurements used in all Science-related work	Convert standard units of measurement into the current metric form	Conversions, Lab
2 wks - Sept	Classification of Matter	Understanding of the different states of matter and their make-ups	Identify matter in different states and understand the differences	Test, Lab, calculations, worksheets
3 wks - Oct	Motion of Molecules	The molecular theory of matter and it's relevancy to everyday activities	Understanding of the movement of molecules and their relationship to heat, pressure and volumes	Test, diagrams, project, Lab
2 wks - Oct	History of Atomic Theory	Background of how atomic theory was developed	Name and list models of the atom and how they were developed	Test, diagrams, worksheets
3 wks - Nov	Periodic Table	Basic set-up and function of the periodic table of elements	Explain basic structure/organization of the periodic table	Test, worksheets, project
4 wks - Dec	Combining Atoms	How compounds are formed and laws of nature that must be satisfied in order for this to take place	Write chemical formulas, balance equations, and classify equations	Test, worksheets
3 wks - Jan	Waves	Understanding of Electromagnetic Spectrum and Sound Waves	Differentiate between EMW and a sound wave, and the concepts of energy transformaion that is occurring.	Test, Lab, calculations, worksheets
2 wks - Feb	Electricity	Understanding of movement of electrons in an electrical circuit	Students can explain the motion of electrons within a circuit and the different types of circuits, as well as voltage and resistance within those circuits	Test, Lab, calculations, worksheets
1 wks - Mar	Magnetism	The particles of magnetism are the same matter that makes up electrical activity	Students will be able to explain the relationship between electricity and magnetism	
6 wks - Mar/Apr	Physics	Understanding of Motion and forces and applying them to everyday life	Explain and interpret types of, and causes of different types of motion and forces	Test, calculations, worksheets, lab
4 wks - Apr/May	The Universe	History of Universe, galaxie, and star formations	Students will explain and analyze the history of the universe and its components	Test, diagrams, worksheets