

Physical Science Curriculum Map					
Theme:					
	August	September	October	November	December
Essential Questions	What is science?	How is science measured?	What factors govern motion?		How are temperature and energy related?
Content in terms of essential concepts and topics	Scientific Method	Measurement/Metric System/Conversions/Graphing	Velocity/Acceleration/Force/Newton's Laws	Projectile Motion	Using Thermal Energy/Specific Heat/Simple Machines
Standards/Skills i.e., processes and skills emphasized Indiana Academic Standards plus MCSC skills **There are no Science Standards for this course. Listed are the Integrated Chemistry-Physics			1.4.1,1.4.2,1.4.3,1.5.1	1.3.1,1.3.6,1.4.3,1.3.2,1.3.3	1.3.2,1.3.3
Product/Assessments It is assumed that teachers will assess students with traditional tests.	Measurement Lab/ Scientific Method Lab	Conversion Olympiad/Density Lab/Graphing Lab	Velocity Lab/Acceleration Lab	Momentum Lab/Pendulum Lab/Roller Coaster	Lever Lab

January	February	March	April	May
	How can the structure of atoms be used to describe the behavior of elements?			
States of Matter/Changes in State/Behavior in Gases/Composition in Matter/Describing Matter/Structure of the Atom	Models of the Atom/Energy Levels & Electrons/Quarks/Masses of Atoms	Structure of the Periodic Table/Why Chemicals Combine/Chemical Bonds/Formulas & Names of Compounds	Chemical Reactions/Writing & Balancing Equations/Types of Chemical Reactions/Energy & Chemical Reactions	Forensic Science
1.1.2.,1.1.3,2.1.1	1.1.1,1.1.2,1.1.3	1.2.6	1.2.8,1.2.10	
Slime Lab/Bimetallic Strip Lab/Identifying Elements, Compounds, & Mixtures Lab	Isotope Lab/Element Project	Become a Beaker Bond Lab	Molecular Models Lab/Chemical Reactions Lab	Crime Investigation Lab