

Investigating Matter and Energy – Suggested Scope and Sequence

Week	Quarter 1	Quarter 2	Quarter 3	Quarter 4
1	Properties Are Us	Endo-Exo: The Reaction Twins	Go With the Flow	Graphing Your Motion
2	How Much Matter	Colorful Chemical Clues	Making Waves	Gravity's Pull
3	How Tightly Packed	The Name is Bond... Ionic Bond	Spectacular Spectrum	Keep On Truckin'
4	Invisible Atom	Disappearing Powder	The Optics Files	Laws of Motion
5	Nuts and Bolts of Periodicity	Disappearing Powder	Sound's Cool	Force of Friction
6	Discovering the Elements	Energy is Everywhere	Hot and Cold Tracking the Heat	Work Made Easy
7	Discovering the Elements	Where's the Juice	Heat: Energy on the Move	Power to do Work
8	Chemical Detective	The Big Switch	Its Just a Phase	Review and Assess
9	Review and Assess	Review and Assess	Review and Assess	

Note: Roughly one week has been allotted for each lab activity in the FCPS Physical Science curriculum. It is recognized that some lab activities will take considerably less than one week (e.g., Properties Are Us) whereas others will take more time (e.g., Discovering the Elements). This Suggested Pacing Guide is meant to serve as a general guideline for teacher and department planning purposes. Every effort should be made for students to complete all four lab books during the school year as these activities provide foundational experiences upon which success on the 8th grade SOL assessment and high school science course content is dependent.