

Correlation of *Physics in Context* with the National Science Teacher's Association's Scope, Sequence and Coordination of Secondary School Science.

	Force	Work	Rate	Resistance	Energy	Power	Momentum	Wave Vibration	Radiation	Light Optics
Physics Sequence Grades 6-12										
<i>Matter: Kinds & Characteristics</i>										
6-8:	Solids, liquids, Gases									
9-10:	(none listed)									
11-12:	The Electron, metals,									
11-12:	The atomic nucleus									
<i>Properties</i>										
6-8	Mass, volume, density temperature									
9-10	Pressure									
11-12	Resistivity, the size of atoms & nuclei, radioactive half-life									
<i>Chance Processes</i>										
6-8	Melting & boiling									
9-10	Pressure vs. temperature at constant volume									
9-10	Volume vs. temperature at constant pressure									
11-12	Ionization, radioactivity									
<i>Models</i>										
6-8	(no topic given)									
9-10	Kinetic theory model									
11-12	The atomic model									
<i>Motion and Force</i>										
6-8	Descriptions of motion distance traveled, time for trip, average trip speed, direction of motion									
9-10	Average velocity over short time intervals, acceleration									
11-12	(no topic given)									
<i>Causes of motion</i>										
6-8	Newton's first & Second Laws (and friction)									
9-10	Newton's second law (in one dimension) velocities and forces as directed quantities									
9-10	Newton's second law (in two dimensions but qualitative)									
9-10	Circular motion									
11-12	Vector addition									
11-12	Newton's second law									

