

Active Physics Correlations To The Sunshine State Objectives																		
Florida Gr. Level Exp. Sci. gr. 7-8	C1	C2	C3	H1	H2	H3	M1	M2	M3	P1	P2	P3	S1	S2	S3	T1	T2	T3
SC.A. 1.3.1 properties of matter	X	X							X		X			X	X		X	X
SC.A. 1.3.2 difference between weight and mass												X			X			X
SC.A. 1.3.3 temp as av energy of particle motion																		
SC.A. 1.3.4 position and motion of atoms																		
SC.A. 1.3.5 diff betw phys and chem change																		
SC.A. 1.3.6 diff mass in same vol																		
SC.A. 2.3.1 particles vs. waves (#3, gr. 8)			X															X
SC.A. 2.3.2 atomic structure																		
SC.A. 2.3.3 benefits of radiation, light, heat				X	X													
SC.B. 1.3.1 forms of energy & their comparison		X			X									X	X			
SC.B. 1.3.2 energy conservation		X			X									X	X			
SC.B. 1.3.3 energy from the sun			X															
SC.B. 1.3.4 <100% energy conversion efficiency																		
SC.B. 1.3.5 thermal energy flow from high to low																		
SC.B. 1.3.6 properties of waves	X		X										X					X
SC.B. 2.3.1 energy transfer leads to disorder																		
SC.B. 2.3.2 energy from fossil fuels	(This would be addressed in the Energy unit of IES)																	
SC.C. 1.3.1 motion = position, direction, speed													X				X	
SC.C. 1.3.2 vibrations cause waves	X						X		X									
SC.C. 2.3.1 forces at a distance					X	X					X	X		X				
SC.C. 2.3.2 contact forces														X	X			X
SC.C. 2.3.3 interaction of forces											X		X	X	X			X
SC.C. 2.3.4 simple machines																		
SC.C. 2.3.5 Newton's first law											X			X				X
SC.C. 2.3.6 Newton's second law											X			X				X
SC.C. 2.3.7 universal gravitation												X						