

Active Physics Correlation To Vermont Science, Math & Tech Standards

Chapter	Communication			Home			Medicine			Predictions			Sports			Transportation		
	C1	C2	C3	H1	H2	H3	M1	M2	M3	P1	P2	P3	S1	S2	S3	T1	T2	T3
INQUIRY, EXPERIMENTATION, AND THEORY																		
7.1 Use scientific methods	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7.2 Design/conduct own investigation /project	X	X	X	X	X	X			X				X	X	X		X	
7.3 Nature of theory						X			X		X	X						
7.4 History of sci, math, and tech		X																X
7.5 Roles and resp of sci, math, and tech	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MATHEMATICAL UNDERSTANDING																		
7.6 Understand and use arithmetic computation	X			X	X		X	X	X	X	X	X	X	X	X	X	X	X
7.7 Geometry and measurement	X			X			X	X	X	X			X	X	X	X	X	X
7.8 Function and algebra concepts	X		X	X			X	X		X								
7.9 Statistics and probability concepts										X								
MATHEMATICAL PROBLEM SOLVING																		
7.10 Applications	X		X	X	X			X		X								
SYSTEMS																		
7.11 Analyze and understand systems		X	X	X	X	X	X	X	X								X	
SPACE, TIME, AND MATTER																		
7.12 Matter, motion, forces, and energy		X			X	X					X	X	X	X	X	X	X	X
THE LIVING WORLD																		
7.13 Organisms, Evolution and Interdependence																		
7.14 The Human Body																		

Content Statements Conceptual Understandings: Physical Science Grades 8 through 11 with Assessment at Grade 11	Communication			Home			Medicine			Predictions			Sports			Transportation		
	Chapter	C1	C2	C3	H1	H2	H3	M1	M2	M3	P1	P2	P3	S1	S2	S3	T1	T2

THE UNIVERSE, EARTH, AND THE ENVIRONMENT																			
7.15 Understand earth, solar system, & universe											X	X							
DESIGN AND TECHNOLOGY																			
7.16 Understand extr/processing nat'l resources																			
7.17 Apply understanding of tech systems		X	X			X		X	X									X	
7.18 Controlling inputs and outputs		X	X		X	X		X	X									X	
7.19 Design Solutions	X	X	X	X	X				X				X	X	X		X		