

California Academic Content Standards Correlation Report for Math & the Cosmos *

	Multimedia Lessons										
Mathematics Standards for Grade 7	Graphs	Angles	Trigonometry	Motion	Constellations Planets & Sun	Parallax Cepheid Variables					
Number Sense: 1.0	Scientific Notation										
Number Sense: 1.1	Scientific Notation										
Number Sense: 2.0	Scientific Notation										
Number Sense: 2.1	Scientific Notation										
	Multimedia Lessons						Textbook				
Mathematics Standards for Grade 8-12	Graphs	Angles	Trigonometry	Motion	Constellations Planets & the Sun	Parallax Cepheid Variables	Observing the Sky	Mapping the Stars	Understanding the Motions of Stars and Planets	Investigating Deep Space	Connecting Astronomy, Mythology, and History
Algebra I– 17	x						x	x			
Geometry - 14			x								
Geometry - 15			x								
Geometry - 17								x			
Geometry - 18			x								
Geometry - 19			x								
Geometry - 22	x	x		x							
Trigonometry - 2			x								
Trigonometry - 12			x								
Trigonometry - 19			x								
Science Standards for Grade 8											
Physical Science: Motion : 1b				x							
Physical Science: Forces: 2a				x						x	
Physical Science: Forces: 2b				x							
Physical Science: Forces: 2c				x							
Physical Science: Forces: 2d										x	
Physical Science: Forces: 2e				x							
Physical Science: Forces: 2f				x							
Physical Science: Forces: 2g				x	x		x		x	x	
Physical Science: Structure of Matter: 3d				x							
Physical Science: Structure of Matter: 3e				x							
Physical Science : Earth in the Solar System (Earth Science) : 4a					x	x	x	x	x	x	

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Science Standards for Grade 8 (cont.)	Multimedia Lessons						Textbook				
	Graphs	Angles	Trigonometry	Motion	Constellations Planets & the Sun	Parallax Cepheid Variables	Observing the Sky	Mapping the Stars	Understanding the Motions of Stars and Planets	Investigating Deep Space	Connecting Astronomy, Mythology, and History
Physical Science : Earth in the Solar System (Earth Science) : 4b			x		x	x	x	x	x	x	
Physical Science : Earth in the Solar System (Earth Science) : 4c	x		x			x	x		x	x	x
Physical Science : Earth in the Solar System (Earth Science) : 4d			x		x	x	x		x	x	
Physical Science : Earth in the Solar System (Earth Science) : 4e			x	x	x	x		x	x	x	x
Science Standards for Grades 9-12											
Physics: Motion and Force : 1a				x							
Physics: Motion and Force : 1b				x				x			
Physics: Motion and Force : 1c				x							
Physics: Motion and Force : 1d				x							
Physics: Motion and Force : 1e				x					x	x	
Physics: Motion and Force : 1f									x		
Physics: Motion and Force : 1g				x	x				x	x	
Physics: Motion and Force : 1h				x							
Physics: Motion and Force : 1i		x		x							
Physics: Motion and Force : 1j		x		x							
Physics: Motion and Force : 1k				x							
Physics: Motion and Force : 1l				x					x	x	
Physics: Motion and Force : 1m									x	x	
Physics : Conservation of Energy and Momentum : 2e				x	x				x		
Physics: Waves: 4b				x					x		
Physics: Waves: 4c										x	
Earth Sciences: Earth's Place in the Universe : 1d						x			x	x	
Earth Sciences: Earth's Place in the Universe : 1e					x					x	
Earth Sciences: Earth's Place in the Universe : 1g					x				x	x	

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Earth Sciences: Earth's Place in the Universe : 2a					x		x	x	x	x	
Earth Sciences: Earth's Place in the Universe : 2b						x	x			x	
Earth Sciences: Earth's Place in the Universe : 2d						x	x		x	x	
Earth Sciences: Earth's Place in the Universe : 2f						x	x		x	x	
Earth Sciences: Earth's Place in the Universe : 2g						x	x		x	x	
Earth Science : Energy in the Earth System : 4a							x		x	x	
Earth Sciences: Energy in the Earth System : 4b				x							
Earth Sciences: Investigation and Experimentation: 1i						x	x	x		x	