

TEKS Mathematics and Science Correlation Report for Math & the Cosmos

Mathematics Standards for Grade 8	Multimedia Lessons							Textbook				
	Graphs	Angles	Sci. Notation	Trigonometry	Motion	Constellations Planets & the Sun	Parallax Cepheid Variable	Observing the Sky	Mapping the Stars	Understanding the Motions of Stars and Planets	Investigating Deep Space	Connecting Astronomy, Mythology, and History
111.24. Mathematics, b; 8.1d			x									
111.24. Knowledge and skills : 8.5a	x											
111.24. Knowledge and skills : 8.6					x							
111.24. Knowledge and skills : 8.7		x										
111.24. Knowledge and skills : 8.7d	x							x	x			
111.24. Knowledge and skills : 8.9				x								
111.24. Knowledge and skills : 8.9a				x								
111.24. Knowledge and skills : 8.9b				x								
111.24. Knowledge and skills : 8.14	x	x						x	x			
111.24. Knowledge and skills : 8.14a	x	x						x	x			
111.24. Knowledge and skills : 8.14d		x	x						x			
Science Standards for Grades 8												
112.24. Knowledge and skills;b; 8.7					x							
112.24. Knowledge and skills ; b; 8.7a					x							
112.24. Knowledge and skills ; b; 8.7b											x	
112.24. Knowledge and skills ; b; 8.13						x		x	x	x	x	
112.24. Knowledge and skills ; b; 8.13a				x		x	x		x	x	x	x
112.24. Knowledge and skills ; b; 8.13b							x	x		x	x	x
Mathematics Standards for Grades 9-12												
111.32. Algebra I; b; 2c	x											
111.34. Geometry; b; 4	x							x	x			

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Mathematics Standards for Grades 9-12 (cont.)	Multimedia Lessons							Textbook				
	Graphs	Angles	Sci. Notation	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
111.34. Geometry; c; 1		x		x								
111.34. Geometry; d; 2a	x							x	x			
111.34. Geometry; e; 1c				x								
111.34. Geometry; f				x								
111.34. Geometry; f; 1				x								
111.34. Geometry; f; 3				x								
111.35. Precalculus; c; 3				x								
111.35. Precalculus; c; 3d				x								
111.35. Precalculus; c; 4										x		
111.35. Precalculus; c; 6a		x			x							
111.36. Mathematical Models with Applications; c; 8b	x			x	x							
Social Studies & Economics Standards for Grades 9-12												
113.34. World Geography; c; 3						x						
113.34. World Geography; c; 3a						x						
Science Standards for Grades 9-10												
112.42. Integrated Physics and Chemistry; c; 4					x						x	
112.42. Integrated Physics and Chemistry; c; 4b					x					x	x	
Science Standards for Grades 10-12												
112.47. Physics; c; 4						x				x	x	
112.47. Physics; c; 4b					x	x			x	x	x	
112.47. Physics; c; 4c					x					x	x	
112.47. Physics; c; 4e		x			x						x	
112.47. Physics; c; 6										x	x	x
112.47. Physics; c; 6a					x					x	x	
Science Standards for Grades 11-12												
112.48 Astronomy; c; 4					x	x		x		x	x	
112.48 Astronomy; c; 4b						x	x	x	x	x	x	
112.48 Astronomy; c; 5c						x	x	x	x	x	x	
112.48 Astronomy; c; 6							x	x		x	x	
112.48 Astronomy; c; 7a		x		x			x	x		x	x	x

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Science Standards for Grades 11-12 (cont.)	Multimedia Lessons							Textbook				
	Graphs	Angles	Sci. Notation	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
112.48 Astronomy; c; 7d						X		X		X	X	X
112.48 Astronomy; c; 8						X				X	X	
112.48 Astronomy; c; 8b				X	X	X	X	X	X	X	X	X
112.48 Astronomy; c; 8c					X	X		X	X	X	X	X
112.48 Astronomy; c; 9a						X		X		X	X	X
112.48 Astronomy; c; 9c						X		X		X	X	
112.48 Astronomy; c; 9d								X		X	X	X
112.48 Astronomy; c; 10b					X	X		X	X	X	X	X