

NC Mathematics & Science Standard Course of Study Correlation Report for Math & Music Multimedia Lessons

	Exploring Numbers					Mathematics of Music	Science of Music			Spaces & Shapes		
Mathematics Standards for Grade 7	Primes	Abacus	Ancient Numbers	Duplation	Tallies	Ratios	How We Hear	Physics of Sound	Physics of Music	Areas	Angles & Triangles	Pythagorean Theorem
Number Sense, Numeration and Numerical Operations : Goal 1: 1.3		x										
Number Sense, Numeration and Numerical Operations : Goal 1: 1.4	Basic Number Training: Speedmath, Operations Review											
Number Sense, Numeration and Numerical Operations : Goal 1: 1.8	x			x		x						
Spatial Sense, Measurement and Geometry : Goal 2: 2.4												x
Spatial Sense, Measurement and Geometry : Goal 2: 2.11						x						
Patterns, Relationships and Functions : Goal 3: 3.5	x	x								x		
Mathematics Standards for Grades 8												
Spatial Sense, Measurement, and Geometry : Goal 2: 2.1											x	x
Spatial Sense, Measurement, and Geometry : Goal 2: 2.6												x
Patterns, Relationships, and Functions : Goal 3: 3.1								x	x	x	x	
Patterns, Relationships, and Functions : Goal 3: 3.5		x								x		
Mathematics Standards for Grades 9-12												
Introductory Mathematics : Spatial Sense, Measurement, and Geometry : Goal: 2.1										x	x	x
Introductory Mathematics : Spatial Sense, Measurement, and Geometry : Goal: 2.6												x
Introductory Mathematics : Patterns, Relationships, and Functions : Goal: 3.1								x	x	x		
Introductory Mathematics : Patterns, Relationships, and Functions : Goal: 3.5		x								x		
Algebra I : Spatial Sense, Measurement, and Geometry : Goal: 2.1								x	x	x		
Algebra I : Spatial Sense, Measurement, and Geometry : Goal: 2.2										x		
Geometry : Spatial Sense, Measurement, and Geometry : Goal: 2.13										x	x	
Geometry : Spatial Sense, Measurement, and Geometry : Goal: 2.15											x	x
Geometry : Spatial Sense, Measurement, and Geometry : Goal: 2.19										x		
Technical Mathematics 1 : Spatial Sense, Measurement, and Geometry : Goal: 2.6										x		

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Technical Mathematics 1 : Spatial Sense, Measurement, and Geometry : Goal: 2.7												X	X
Technical Mathematics 1 : Spatial Sense, Measurement, and Geometry : Goal: 2.8												X	X
Technical Mathematics 2 : Spatial Sense, Measurement, and Geometry : Goal: 2.13											X		
Discrete Mathematics : Data, Probability, and Statistics : Goal: 4.3		X		X									
Integrated Mathematics 1 : Spatial Sense, Measurement, and Geometry : Goal: 2.7											X		
Integrated Mathematics 1 : Spatial Sense, Measurement, and Geometry : Goal: 2.8											X		
Integrated Mathematics 2 : Spatial Sense, Measurement, and Geometry : Goal: 2.8												X	X
Integrated Mathematics 3 : Spatial Sense, Measurement, and Geometry : Goal: 2.1											X		
Science Standards for Grades 9-12	Primes	Abacus	Ancient Numbers	Duplation	Tallies	Ratios	How We Hear	Physics of Sound	Physics of Music	Areas	Angles & Triangles	Pythagorean Theorem	
Physical Science Grades 9 - 12 : COMPETENCY GOAL 4:4.01							X	X	X				
Physical Science Grades 9 - 12 : COMPETENCY GOAL 4: 4.02								X	X				
Physical Science Grades 9 - 12 : COMPETENCY GOAL 4: 4.03							X	X	X				
Physics - Grades 9 -12 : COMPETENCY GOAL 1: 1.01								X					
Physics - Grades 9 -12 : COMPETENCY GOAL 1: 1.02								X					
Physics - Grades 9 -12 : COMPETENCY GOAL 7: 7.01							X	X	X				
Physics - Grades 9 -12 : COMPETENCY GOAL 7: 7.06									X				

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	Chapter 1	Chapter 2	Chapter 3	Chapter 4	Chapter 5	Chapter 6	Chapter 7	Chapter 8
Mathematics Standards for Grade 7	Mathematics or Arithmetic	Early Number Systems	Operations of Arithmetic	Number Patterns	Introduction to Algebra	Exploring Trigonometry	Mathematical Reasoning	Science of Sound
Number Sense, Numeration and Numerical Operations : Goal 1: 1.3		x						
Patterns, Relationships and Functions : Goal 3: 3.5	x	x	x	x		x		
Mathematics Standards for Grades 8								
Number Sense, Numeration, and Numerical Operations : Goal 1: 1.1							x	
Spatial Sense, Measurement, and Geometry : Goal 2: 2.1							x	
Spatial Sense, Measurement, and Geometry : Goal 2: 2.6							x	
Spatial Sense, Measurement, and Geometry : Goal 2: 2.12			x					
Patterns, Relationships, and Functions : Goal 3: 3.1			x					x
Patterns, Relationships, and Functions : Goal 3: 3.5		x				x		
Mathematics Standards for Grade 9-12								
Introductory Mathematics : Number Sense, Numeration, and Numerical Operations : Goal: 1.1							x	
Introductory Mathematics : Spatial Sense, Measurement, and Geometry : Goal: 2.1						x	x	
Introductory Mathematics : Spatial Sense, Measurement, and Geometry : Goal: 2.6							x	
Introductory Mathematics : Patterns, Relationships, and Functions : Goal: 3.1			x					x
Introductory Mathematics : Patterns, Relationships, and Functions : Goal: 3.5		x	x			x		
Algebra I : Spatial Sense, Measurement, and Geometry : Goal: 2.1			x					x
Algebra I : Spatial Sense, Measurement, and Geometry : Goal: 2.2			x			x		
Algebra I : Patterns, Relationships, and Functions : Goal: 3.1			x					
Geometry : Spatial Sense, Measurement, and Geometry : Goal: 2.4			x					
Geometry : Spatial Sense, Measurement, and Geometry : Goal: 2.15						x	x	
Algebra II : Patterns, Relationships, and Functions : Goal: 3.2					x			
Technical Mathematics 1 : Spatial Sense, Measurement, and Geometry : Goal: 2.1			x					
Technical Mathematics 1 : Spatial Sense, Measurement, and Geometry : Goal: 2.7						x	x	

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Technical Mathematics 1 : Spatial Sense, Measurement, and Geometry : Goal: 2.8						x	x	
Technical Mathematics 2 : Spatial Sense, Measurement, and Geometry : Goal: 2.13						x		
Discrete Mathematics : Patterns, Relationships, and Functions : Goal: 3.3			x					
Discrete Mathematics : Data, Probability, and Statistics : Goal: 4.3			x					
Integrated Mathematics 1 : Spatial Sense, Measurement, and Geometry : Goal: 2.7						x		
Integrated Mathematics 1 : Patterns, Relationships, and Functions : Goal: 3.1					x			
Integrated Mathematics 2 : Spatial Sense, Measurement, and Geometry : Goal: 2.8						x	x	
Integrated Mathematics 3 : Patterns, Relationships, and Functions : Goal: 3.1					x			
	Chapter 1	Chapter 2	Chapter 3	Chapter 4	Chapter 5	Chapter 6	Chapter 7	Chapter 8
Science Standards for Grades 9-12	Mathematics or Arithmetic	Early Number Systems	Operations of Arithmetic	Number Patterns	Introduction to Algebra	Exploring Trigonometry	Mathematical Reasoning	Science of Sound
Physical Science Grades 9 - 12 : COMPETENCY GOAL 4:4.01								x
Physical Science Grades 9 - 12 : COMPETENCY GOAL 4: 4.02								x
Physical Science Grades 9 - 12 : COMPETENCY GOAL 4: 4.03								x
Physics - Grades 9 -12 : COMPETENCY GOAL 7: 7.01								x