



California Science Content Standards

California State Standards	Classification	Periodic Pigment	Medieval Natural Resources	Constellation Companions	Marshland Ecosystem	Finding Balance	Light	Chemistry of Ceramics	Combating Corrosion	Insect Anatomy	Magnificent Microscope	Scientific Method
<b>Kindergarten</b>												
Physical Science 1.a		X	X									
Physical Science 1.c		X										
Life Science 2.a	X				X					X		
Life Science 2.c	X									X		
Earth Science 3.c		X										
Investigation & Experimentation 4.a			X							X		X
Investigation & Experimentation 4.b	X		X									X
Investigation & Experimentation 4.c	X											X
Investigation & Experimentation 4.d	X									X		X
Investigation & Experimentation 4.e	X		X							X		X
<b>Grade 1</b>												
Physical Science 1.a		X										
Physical Science 1.b		X						X				
Life Science 2.a					X					X		
Life Science 2.b	X											
Life Science 2.c	X									X		

Investigation & Experimentation 4.a	X									X		X
Investigation & Experimentation 4.b, c, e		X										X
<b>Grade 2</b>												
<b>Physical Science 1.c, e</b>						X						
<b>Life Science 2.b</b>										X		
<b>Life Science 2.d</b>	X									X		
<b>Earth Science 3.a</b>			X									
<b>Earth Science 3.c</b>		X										
<b>Earth Science 3.e</b>		X	X					X				
Investigation & Experimentation 4.a		X										X
Investigation & Experimentation 4.b											X	X
Investigation & Experimentation 4.c	X											X
Investigation & Experimentation 4.d		X	X									X
Investigation & Experimentation 4.f	X											X
Investigation & Experimentation 4.g	X	X										X
<b>Grade 3</b>												
Physical Science 1.f								X				



Physical Science 1.g		X							X			
Physical Science 2.a—d							X					
Life Science 3.a										X		
Life Science 3.b					X					X		
Earth Science 4.a				X								
Investigation & Experimentation 5.b, d, e		X										X
<b>Grade 4</b>												
Life Science 2.b					X							
Investigation & Experimentation 6.a, c		X										X
<b>Grade 5</b>												
Physical Science 1.a		X										
Physical Science 1.c									X			
Physical Science 1.e											X	
Physical Science 1.f		X										
Investigation & Experimentation 6.a	X			X						X		X
Investigation & Experimentation 6.e		X										X
Investigation & Experimentation 6.g				X								X
Investigation & Experimentation 6.h		X										X
<b>Grade 6</b>												
Heat 3.c									X			



Ecology 5.a, b, c, e					X							
Resources 6.b			X									
Resources 6.c		X	X									
Investigation & Experimentation 7.b		X									X	X
Investigation & Experimentation 7.e		X										X
<b>Grade 7</b>												
Structure & Function in Living Systems 5.a, c											X	
Physical Principles in Living Systems 6.b							X					
Physical Principles in Living Systems 6.d							X				X	
Physical Principles in Living Systems 6.f							X					
Investigation & Experimentation 7.a		X							X	X	X	X
Investigation & Experimentation 7.b				X						X		X
Investigation & Experimentation 7.c		X							X			X
Investigation & Experimentation 7.d				X								X
<b>Grade 8</b>												
Forces 2.c, e, f							X					



Structure of Matter 3.b, f									X			
Earth in the Solar System 4.a, b				X								
Reactions 5.a, c		X										
<b>Grades 9—12</b>												
Physics: Motions & Forces 1.d						X						
Physics: Waves 4.f							X					
Chemistry: Chemical Bonds 2.c, h		X										
Chemistry: Conservation of Matter and Stoichiometry 3.b, c, d		X										
Chemistry: Conservation of Matter and Stoichiometry 3.g		X							X			
Chemistry: Chemical Thermodynamics 7.c								X				
Biology/Life Sciences: Cell Biology 1.a											X	
Biology/Life Sciences: Genetics 2.a—g	X											
Biology/Life Sciences: Genetics 3.a, b	X											



Biology/Life Sciences: Genetics 4.a—e	X												
Biology/Life Sciences: Genetics 5.a—c	X												
Biology/Life Sciences: Ecology 6.a, e					X								
Earth Sciences: Earth's Place in the Universe 2.a—d, f				X									
Earth Sciences: California Geology 9.a			X										
Investigation & Experimentation 1.a												X	X



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<b>Kindergarten</b>												
Artistic Perception 1.1	X			X						X	X	
Artistic Perception 1.2	X	X	X	X		X		X	X			
Artistic Perception 1.3		X		X				X				
Creative Expression 2.1				X							X	
Creative Expression 2.2											X	
Creative Expression 2.6				X								
Historical Cultural Context 3.1			X	X	X						X	X
Historical Cultural Context 3.2			X	X		X		X	X			
Historical & Cultural Context 3.3											X	
Aesthetic Valuing 4.2	X	X	X	X	X	X		X	X	X	X	X
Connections, Relationships, Applications 5.4	X	X	X	X	X	X	X	X	X	X	X	X
<b>Grade 1</b>												
Artistic Perception 1.1				X								
Artistic Perception 1.3	X	X	X	X	X		X	X	X	X	X	X
Creative Expression 2.3					X			X				
Creative Expression 2.4			X	X	X							



Creative Expression 2.5					X							
Creative Expression 2.8	X									X		
Historical & Cultural Context 3.1		X	X		X						X	X
Historical & Cultural Context 3.2	X		X	X		X	X	X	X	X		
Aesthetic Valuing 4.1			X		X						X	
Connections, Relationships, Applications 5.3										X		
<b>Grade 2</b>												
Artistic Perception 1.1					X	X						
Artistic Perception 1.3	X				X			X				
Creative Expression 2.5												
Historical & Cultural Context 3.2				X			X				X	
Historical & Cultural Context 3.3			X	X								
Aesthetic Valuing 4.2	X	X	X	X	X	X	X	X		X	X	
Aesthetic Valuing 4.4		X	X			X						
<b>Grade 3</b>												
Artistic Perception 1.2		X	X									
Artistic Perception 1.4							X					

Artistic Perception 1.5	X	X	X	X	X	X	X	X		X	X	
Creative Expression 2.4	X	X	X				X					
Creative Expression 2.5						X		X				
<b>Grade 4</b>												
Artistic Perception 1.5		X	X	X		X		X			X	
Creative Expression 2.3						X		X				
<b>Grade 5</b>												
Artistic Perception 1.3					X			X				
<b>Grade 6</b>												
Artistic Perception 1.2						X	X	X				
Artistic Perception 1.4						X						
Creative Expression 2.4						X						
Aesthetic Valuing 4.1			X	X	X							
<b>Grade 7</b>												
Artistic Perception 1.1	X	X			X							
Creative Expression 2.4		X	X									
Creative Expression 2.6							X					



Historical & Cultural Context 3.1				X								
<b>Grade 8</b>												
Artistic Perception 1.1	X	X				X	X				X	
Creative Expression 2.3							X					
Creative Expression 2.4						X						
<b>Grade 9-12</b>												
Artistic Perception 1.1	X	X	X	X	X	X	X	X		X	X	
Creative Expression 2.1						X						
Historical & Cultural Context 3.2				X			X		X		X	



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<b>Grades K—4</b>												
Science as Inquiry	X	X	X	X	X	X	X	X	X	X	X	X
Life Science	X				X					X	X	X
Earth & Space Science			X	X				X				
Science & Technology							X				X	X
History of Nature & Science		X									X	X
<b>Grades 5—8</b>												
Science as Inquiry	X	X	X	X	X	X	X	X	X	X	X	X
Physical		X				X	X	X	X			
Life Science	X				X					X	X	X
Earth & Space Science			X	X								
Science & Technology									X		X	X
Personal & Social Perspectives			X		X				X		X	X
History & Nature of Science		X	X	X					X		X	X
<b>Grades 9—12</b>												
Science as Inquiry	X	X	X	X	X	X	X	X	X	X	X	X
Physical		X				X	X	X	X			
Earth & Space Science			X	X								
Science & Technology									X		X	X



Personal & Social Perspectives			X		X							X
History & Nature of Science		X	X	X					X		X	X



### National Visual Arts Content Standards

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<b>Grades K—4</b>												
Understanding and Applying Media, Techniques, and Processes		X	X				X	X				
Using Knowledge of Structures and Functions												X
Choosing and Evaluating a Range of Subject Matter, Symbols, and Ideas	X	X	X	X	X	X	X	X	X	X	X	
Understanding the Visual Arts in Relation to History and Cultures		X	X					X				X
Reflecting Upon and Assessing the Characteristics and Merits of Their Work and Work of Others												
Making Connections Between Visual Arts and Other Disciplines	X	X	X	X	X	X	X	X	X	X	X	X

Grades 5—8												
Understanding and Applying Media, Techniques, and Processes		X	X				X	X				
Using Knowledge of Structures and Functions												
Choosing and Evaluating a Range of Subject Matter, Symbols, and Ideas	X	X	X	X	X	X	X	X	X	X	X	
Understanding the Visual Arts in Relation to History and Cultures		X	X						X			X
Reflecting Upon and Assessing the Characteristics and Merits of Their Work and the Work of Others												
Making Connections Between Visual Arts and Other Disciplines	X	X	X	X	X	X	X	X	X	X	X	X

