



Museum of Discovery Exhibits Correlated with **Grade 4** Colorado State Social Studies, Science, and Music Standards

Exhibit/Zone	Social Studies	Science	Music
Archives	All		
Beet Shack, Home and Hearth	H1&2 G2 C1 E1&2		
Bernoulli Blower		P1	
Bike Corner	H2 G2 E1&2 C1		
Big Drum			3.1a 4.1a 4.1b 4.1c 4.2a
Biodiversity Wall	H1&2 G2 C1 E1&2	L1&2&3	
Bison Enclosure	H1&2 G1&2		
Camp Collins, Diary Stories	H1&2 G2 C1 E1&2		
Color Wall and Color Mixing		P1	
Down on the Ranch, Branding Irons	H2		
Eat, Drink and Be Merry	H2 G2 E2 C1		
Edison to ipods	H1&2 G2 E1&2		
Ferret Center	G1&2 E1&2		
First Peoples Wall	H1&2 G2 C1		
Farm Stories, Sugar Beets, Las Colonias	H1&2 G2 C1 E1&2		
Fort Collins Music Stories	H1&2 G2 C1 E1&2		
Fossil Wall	H1&2 G1&2		

Exhibit/Zone	Social Studies	Science	Music	
Funky Forest		L3		
Garage			1.1b 1.1c 1.2b 1.2c 1.2c 1.3a 1.3b 2.1a 2.1b 3.1a 3.1b 3.4d 3.4e 4.1a 4.1b 4.1c 4.2a 4.2b 4.2c	
	Growth of the City Wall	H1&2 G2 E1&2 C1&2		
	Horse Power and Railroads	H1&2 G2 C1	P1	
	Immigration Stories	H1&2 G2 E1&2 C1&2		
	Inventions and Innovations, Radio Display	H1&2 G2 C1		
	Lindenmeyer Dig, Folsom Points	H1&2 G2		
	Listening Lounge			3.3a 3.3b 3.3c 3.4d 3.4e 4.1a 4.1c 4.2a 4.2b 4.2c

HISTORY STANDARDS ARE DENOTED AS H1, H2
 GEOGRAPHY STANDARDS ARE DENOTED AS G1, G2
 ECONOMICS STANDARDS ARE DENOTED AS E1, E2
 CIVICS STANDARDS ARE DENOTED AS C1, C2
 LIFE SCIENCE STANDARDS ARE DENOTED AS L1, L2, L3
 PHYSICAL SCIENCE STANDARDS ARE DENOTED AS P1, P2, P3

EARTH SCIENCE STANDARDS ARE DENOTED AS E1, E2, E3
 MUSIC EXPRESSION STANDARDS ARE DENOTED AS 1.
 MUSIC CREATION STANDARDS ARE DENOTED AS 2.
 MUSIC THEORY STANDARDS ARE DENOTED AS 3.
 MUSIC AESTHETICS STANDARDS ARE DENOTES AS 4.



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Exhibit/Zone	Social Studies	Science	Music
Piano Lever	H2		
Radio Innovations	H1&2 G2 E1&2		
Reactable			1.2c 2.1a 3.1a 3.1b 3.3b 4.1a 4.1b 4.1c
Ripple Tank		P1	
Seed Stories	H2 G2 E2 C1		
Shadow Wall		P1	

Exhibit/Zone	Social Studies	Science	Music
Sheep Case	H1&2 G2 C1 E1&2		
Sounds of Music	H2 G2 E1&2 C1		
Sound Spots		P1	
Tennis Ball Race		P1	
Washtub Bass			4.2a 4.2c
Water for a Dry Land	H2 G2 E2 C1		
Westward Expansion, Pack Your Wagon	H2 G2 E2 C1		
Wind Tube		P1	
Wind Wall		P1	
Worlds Collide, Trappers and Native Cultures	H1&2 G2 C1 E1&2		

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 GEOGRAPHY STANDARDS ARE DENOTED AS G1, G2
 ECONOMICS STANDARDS ARE DENOTED AS E1, E2
 CIVICS STANDARDS ARE DENOTED AS C1, C2
 LIFE SCIENCE STANDARDS ARE DENOTED AS L1, L2, L3
 PHYSICAL SCIENCE STANDARDS ARE DENOTED AS P1, P2, P3

EARTH SCIENCE STANDARDS ARE DENOTED AS E1, E2, E3
 MUSIC EXPRESSION STANDARDS ARE DENOTED AS 1.
 MUSIC CREATION STANDARDS ARE DENOTED AS 2.
 MUSIC THEORY STANDARDS ARE DENOTED AS 3.
 MUSIC AESTHETICS STANDARDS ARE DENOTES AS 4.

Grade 4

Colorado State Social Studies and Science Standards

Social Studies	
History 1: H1	Organize a sequence of events to understand the concepts of chronology and cause and effect in the history of Colorado
History 2: H2	The historical eras, individuals, groups, ideas, and themes in Colorado history and their relationships to key events in the United States
Geography 1: G1	Use several types of geographic tools to answer questions about the geography of Colorado
Geography 2: G2	Connections within and across human and physical systems are developed
Economics 1: E1	People respond to positive and negative incentives
Economics 2: E2	The relationship between choice and opportunity cost (Personal Financial Literacy)
Civics 1: C1	Analyze and debate multiple perspectives on an issue
Civics 2: C2	The origins, structure, and functions of the Colorado government
Science	
Life Science 1: L1	All living things share similar characteristics, but they also have differences that can be described and classified
Life Science 2: L2	Comparing fossils to each other or to living organisms reveals features of pre-historic environments and provides information about organisms today
Life Science 3: L3	There is interaction and interdependence between and among living and nonliving components of systems
Physical Science 1: P1	Energy comes in many forms such as light, heat, sound, magnetic, chemical, and electrical

Grade 4 Music Standards

Music	
Expression: 1.1a	Perform 3 part vocal and/or instrumental rounds using movement and speech
Expression: 1.1b	Follow conductor's meter patterns, tempo, and dynamics
Expression: 1.1c	Perform using correct posture, breathing, and diction
Expression: 1.2a	Perform patterns: low sol, low la, do, re, mi, fa, sol, la, ti, high do, tam-ti and triplets
Expression: 1.2b	Perform I-IV-V in C, F, and G
Expression: 1.2c	Perform melodic and rhythmic ostinato individually
Expression: 1.3a	Play and sing 8-12 measure melodies using correct pitch, rhythm and expressive qualities
Expression: 1.3b	Play and sing in major keys
Creation: 2.1a	Improvise completion of rhythm or melodic phrase
Creation: 2.1b	Improvise short phrases using the diatonic scale
Creation: 2.2a	Create 4-8 measure using known rhythms and pitches on the staff
Creation: 2.2b	Follow prescribed criteria when notating
Theory: 3.1a	Demonstrate use of dynamics, tempo, meter, and articulation
Theory: 3.1a	Demonstrate use of dynamics, tempo, meter, and articulation
Theory: 3.1b	Apply mf, mp, andante, presto, accelerando, ritardando using movement, voice, and instruments
Theory: 3.1c	Explain the numbers in a key signature for 2/4 and 3/4
Theory: 3.2a	Aurally Identify Theme and Variation
Theory: 3.2b, 3.2c	Identify interlude, D.C. al fine, and D.S. al coda
Theory: 3.2c	Identify interlude, D.C. al fine, and D.S. al coda
Theory: 3.3a	Analyze aurally and visually vocal and instrumental examples of the band and orchestra
Theory: 3.3b	Aurally identify music in 2 or more parts
Theory: 3.3c	Aurally identify music from various periods in history
Theory: 3.4a	Identify the diatonic Scale
Theory: 3.4b	Identify and use tam-ti and triplet
Theory: 3.4c	Notate 4 beat patterns
Theory: 3.4d	Aurally recognize IV in I-IV-V
Theory: 3.4e	Aurally know Major and minor
Aesthetics: 4.1a	Use appropriate music terminology for preferences
Aesthetics: 4.1b	Describe and demonstrate characteristics of effective personal participation in ensembles
Aesthetics: 4.1c	Discriminate between musical and nonmusical factors in music preference
Aesthetics: 4.2a	Demonstrate respect for diverse local and regional opinions regarding music preferences
Aesthetics: 4.2b	Identify prominent Colorado styles and musicians
Aesthetics: 4.2c	Compare differences in sources of meaning and standards of evaluation within the contexts of local and regional musical styles