

**From the Mid-continent Research for Education and Learning Content Knowledge Standards and Benchmarks Database (McREL): a compendium of state and international learning standards**

<http://www.mcrel.org/compendium/browse.asp>

**Art Connections Standards**

1. **Understands connections among the various art forms and other disciplines**

**Topics**

1. Artistic purpose and motivation
2. Artistic terms and concepts
3. Critically evaluating visual and performing arts
4. Cultural context of artistic works
5. Form and aesthetics
6. Historical context of artistic works
7. Meaning and purpose of art
8. Sensory characteristics and emotive response

**Music Standards**

1. **Sings, alone and with others, a varied repertoire of music**
2. **Performs on instruments, alone and with others, a varied repertoire of music**
3. **Improvises melodies, variations, and accompaniments**
4. **Composes and arranges music within specified guidelines**
5. **Reads and notates music**
6. **Knows and applies appropriate criteria to music and music performances**
7. **Understands the relationship between music and history and culture**

**Topics**

1. Elements of music
2. Ensemble performance
3. Evaluation and interpretation of music
4. Historical and cultural context of music
5. Improvising musical phrases and patterns
6. Instrumental performance
7. Musical awareness and appreciation
8. Musical composition and arrangement
9. Musical forms
10. Musical notation
11. Musical skills and techniques
12. Musical sound sources
13. Musical styles and genres
14. Musical terminology
15. Personal response to visual and performing arts
16. Purpose and function of music
17. Reading music
18. Roles of musicians
19. Types of musical instruments
20. Vocal performance
21. Vocal skills and techniques

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**Arts and Communication Standards**

**Aesthetic Experiences**

1. Understands the principles, processes, and products associated with arts and communication media
2. Knows and applies appropriate criteria to arts and communication products

**Practice Creativity**

3. Uses critical and creative thinking in various arts and communication settings

**Role of Culture**

4. Understands ways in which the human experience is transmitted and reflected in the arts and communication
5. Knows a range of arts and communication works from various historical and cultural periods

**Topics**

1. Art in culture/society
2. Art materials
3. Artistic communication and expression
4. Artistic purpose and motivation
5. Artistic skills and techniques
6. Artistic terms and concepts
7. Bias, meaning, and perspective
8. Comparative analysis of culture and societies
9. Comparative analysis of culture or societies
10. Comparing/Contrasting
11. Creative processes
12. Critically evaluating visual and performing arts
13. Critically evaluating written/spoken texts and visual media
14. Cultural context of artistic works
15. Cultural diffusion, adaptation, and interaction
16. Evaluation and interpretation of art
17. Form and aesthetics
18. Historical and cultural context of artistic works
19. Historical context of artistic works
20. Historical periods
21. History of the local community
22. Individual and audience response to music
23. Influence of art on culture/society
24. Influence of culture/society on art
25. Journalism
26. Mass media format
27. Media and society
28. Media production
29. Musical styles and genres
30. Natural and designed objects
31. Personal Experiences and Accomplishments
32. Personal response to visual and performing arts
33. Personal response to written/spoken texts and visual media
34. Practice and improvement
35. Role of individuals in history

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36. Sources of inspiration
37. Stage production
38. Visual media genres
39. Word processing/desktop publishing

**Grades K-4 History Standards**

**Topic 1 - Living and Working Together in Families and Communities, Now and Long Ago**

1. Understands family life now and in the past, and family life in various places long ago
2. Understands the history of a local community and how communities in North America varied long ago

**Topic 2 - The History of Students' Own State or Region**

3. Understands the people, events, problems, and ideas that were significant in creating the history of their state

**Topic 3 - The History of the United States: Democratic Principles and Values and the People from Many Cultures who Contributed to its Cultural, Economic, and Political Heritage**

4. Understands how democratic values came to be, and how they have been exemplified by people, events, and symbols

**Topic 4 - The History of Peoples of Many Cultures Around the World**

5. Understands the causes and nature of movements of large groups of people into and within the United States, now and long ago
6. **Understands the folklore and other cultural contributions from various regions of the United States and how they helped to form a national heritage**
7. **Understands selected attributes and historical developments of societies in Africa, the Americas, Asia, and Europe**
8. Understands major discoveries in science and technology, some of their social and economic effects, and the major scientists and inventors responsible for them

**Topics**

1. Art in culture/society
2. Celebrations, traditions, and customs
3. Changes in communication over time
4. Changes in transportation over time
5. Comparative analysis of culture and societies
6. Cultural contributions from various regions of the United States
7. Cultural diffusion, adaptation, and interaction
8. Daily life in the past
9. Diversity of cultures
10. Economic development and growth
11. Expansion, exploration, and conquest
12. Explorers and settlers of the state and region
13. Family and gender roles
14. Family life past and present
15. Farming and agriculture
16. Formation of United States government
17. Historic documents, treaties, and agreements
18. Historical analysis and interpretations
19. Historical change and continuity

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20. History of the local community
21. Human and civil rights
22. Hunter-gatherer, agrarian, and pastoral communities
23. Immigration and the immigrant experience
24. Immigration to the state and region
25. Impact of society on the environment
26. Impact of the environment on society
27. Indigenous peoples of the state and region
28. Influence of ideas on society
29. Interaction among diverse groups in state history
30. Literary and artistic developments
31. Migration and settlement patterns
32. Migration of different groups into and within the United States
33. North American communities of the past
34. Population density, distribution, and growth rates
35. Race and ethnicity
36. Religion, belief systems, and values
37. Role of historic figures in American democracy
38. Role of individuals in history
39. Roles and experiences of diverse groups
40. Roles of ordinary people in American democracy
41. Science, technology, and society
42. Significant events for American democracy
43. Significant human migrations of the world
44. Significant ideas and events in the state's history
45. Significant scientists and inventors and their technological innovations
46. Symbols and historic landmarks
47. Symbols and landmarks
48. Transmission of family heritage and culture
49. Transportation and communication networks
50. Urban growth and development
51. Values and principles of American democracy

**Historical Understanding Standards**

- 1. Understands and knows how to analyze chronological relationships and patterns**
- 2. Understands the historical perspective**

**Topics**

1. Calendar time
2. Causes and effects in history
3. Chronological thinking
4. Conducting historical research
5. Evaluating historical sources
6. Historical analysis and interpretations
7. Historical change and continuity

Standards in **BOLD** are found in the comparative table.

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8. Historical periods
9. Historical sources
10. Historical time lines
11. Historical viewpoints and perspectives
12. History of the local community
13. Influence of ideas on society
14. Role of individuals in history

**Language Arts Standards**

**Writing**

1. **Uses the general skills and strategies of the writing process**
2. **Uses the stylistic and rhetorical aspects of writing**
3. Uses grammatical and mechanical conventions in written compositions
4. Gathers and uses information for research purposes

**Reading**

5. Uses the general skills and strategies of the reading process
6. Uses reading skills and strategies to understand and interpret a variety of literary texts
7. Uses reading skills and strategies to understand and interpret a variety of informational texts

**Listening and Speaking**

8. **Uses listening and speaking strategies for different purposes**

**Viewing**

9. Uses viewing skills and strategies to understand and interpret visual media

**Media**

10. **Understands the characteristics and components of the media**

**Topics**

1. Applying technology
2. Conversation and group discussion
3. Creating support
4. Critical listening
5. Critical reading
6. Critical viewing
7. Critically evaluating written/spoken texts and visual media
8. Decoding/Word identification
9. Grammar and usage
10. Informational genres
11. Informative writing
12. Language in daily use
13. Literary genres
14. Literary style and techniques
15. Literary/Narrative writing
16. Locating sources/gathering information
17. Mass media format
18. Media and society
19. Media production

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20. Oral composition and presentation
21. Organizing information and ideas
22. Paragraph development
23. Personal response to written/spoken texts and visual media
24. Persuasive writing
25. Phonological awareness
26. Reading comprehension strategies
27. Reading fundamentals
28. Story/Literary elements
29. Style and techniques in visual media
30. Style, diction, and voice
31. Verbal and nonverbal communication
32. Visual media genres
33. Writing conventions/mechanics
34. Writing for audience and purpose
35. Writing format
36. Writing fundamentals
37. Writing process
38. Writing research papers

**Mathematics Standards**

1. **Uses a variety of strategies in the problem-solving process**
2. Understands and applies basic and advanced properties of the concepts of numbers
3. Uses basic and advanced procedures while performing the processes of computation
4. **Understands and applies basic and advanced properties of the concepts of measurement**
5. Understands and applies basic and advanced properties of the concepts of geometry
6. Understands and applies basic and advanced concepts of statistics and data analysis
7. **Understands and applies basic and advanced concepts of probability**
8. Understands and applies basic and advanced properties of functions and algebra
9. **Understands the general nature and uses of mathematics**

**Topics**

1. Addition/subtraction
2. Analytic geometry
3. Basic and linear measures
4. Communicating about mathematics
5. Data collection and sampling
6. Data distribution
7. Data organization and display
8. Decimals
9. Equations and inequalities
10. Estimation
11. Experimental probability
12. Exponents/logarithms/roots
13. Expressions

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14. Factors/multiples/primes
15. Formulating/testing hypotheses
16. Fractions
17. Functions
18. Graphs and graphing systems
19. Integers
20. Likelihood/chance/certainty
21. Lines and angles
22. Mathematical enterprise
23. Mathematical reasoning
24. Mathematics, science, and technology
25. Matrices
26. Measurement estimation
27. Motion Geometry/Transformations
28. Multiplication/division
29. Number systems
30. Patterns
31. Perimeter/area/circumference
32. Perimeter/area/volume
33. Permutations/combinations
34. Precision/accuracy
35. Problem-solving
36. Proof and empirical verification
37. Rate
38. Ratio/proportion/percent
39. Reasoning and predicting from data
40. Representing problems
41. Sequences and series
42. Sets
43. Shapes and figures
44. Similarity and Congruence
45. Solution strategies
46. Triangles
47. Trigonometry
48. Units of measurement
49. Uses of Mathematics
50. Variables
51. Vectors
52. Volume/capacity
53. Weight and mass
54. Whole numbers/place value/numeration