# CALIFORNIA STATE BOARD ADOPTED STANDARDS

## SIXTH GRADE

**English/Language Arts** 

**Mathematics** 

**History/Social Science** 

Science

**Physical Education** 

**Visual & Performing Arts** 

**Compiled by** 

Shoob Photography

### **READING**

### 1.0 Word Analysis, Fluency, & Systematic Vocab Development

Students use their knowledge of word origins and word relationships, as well as historical and literary context clues, to determine the meaning of specialized vocabulary and to understand the precise meaning of grade-level-appropriate words.

### **Word Recognition**

1.1 Read aloud narrative and expository text fluently and accurately and with appropriate pacing, intonation, and expression.

### Vocabulary and Concept Development

- 1.2 Identify and interpret figurative language and words with multiple meanings.
- 1.3 Recognize the origins and meanings of frequently used foreign words in English and use these words accurately in speaking and writing.
- 1.4 Monitor expository text for unknown words or words with novel meanings by using word, s entence, and paragraph clues to determine meaning.
- 1.5 Understand and explain "shades of meaning" in related words (e.g., softly and quietly).

### 2.0 Reading Comprehension

Students read and understand grade-level-appropriate material. They describe and connect the essential ideas, arguments, and perspectives of the text by using their knowledge of text structure, organization, and purpose. The selections in Recommended Literature, Kindergarten Through Grade Twelve illustrate the quality and complexity of the materials to be read by students. In addition, by grade eight, students read one million words annually on their own, including a good representation of grade-level-appropriate narrative and expository text (e.g., classic and contemporary literature, magazines, newspapers, online information). In grade six, students continue to make progress toward this goal.

### **Structural Features of Informational Materials**

- 2.1 Identify the structural features of popular media (e.g., newspapers, magazines, online information) and use the features to obtain information.
- 2.2 Analyze text that uses the compare-and-contrast organizational pattern.

### Comprehension and Analysis of Grade-Level-Appropriate Text

- 2.3 Connect and clarify main ideas by identifying their relationships to other sources and related topics.
- 2.4 Clarify an understanding of texts by creating outlines, logical notes, summaries, or reports.
- 2.5 Follow multiple-step instructions for preparing applications (e.g., for a public library card, bank savings account, sports club, league membership).

### **Expository Critique**

- 2.6 Determine the adequacy and appropriateness of the evidence for an author's conclusions.
- 2.7 Make reasonable assertions about a text through accurate, supporting citations.
- 2.8 Note instances of unsupported inferences, fallacious reasoning, persuasion, and propa-ganda in text.

### 3.0 Literary Response & Analysis

Students read and respond to historically or culturally significant works of literature that reflect and enhance their studies of history and social science. They clarify the ideas and connect them to other literary works. The selections in Recommended Literature, Kindergar-ten Through Grade Twelve illustrate the quality and complexity of the materials to be read by students.

#### **Structural Features of Literature**

3.1 Identify the forms of fiction and describe the major characteristics of each form.

### Narrative Analysis of Grade-Level-Appropriate Text

- 3.2 Analyze the effect of the qualities of the character (e.g., courage or cowardice, ambition or laziness) on the plot and the resolution of the conflict.
- 3.3 Analyze the influence of setting on the problem and its resolution.
- 3.4 Define how tone or meaning is conveyed in poetry through word choice, figurative language, sentence structure, line length, punctuation, rhythm, repetition, and rhyme.
- 3.5 Identify the speaker and recognize the difference between first- and third-person narration (e.g., autobiography compared with biography).
- 3.6 Identify and analyze features of themes conveyed through characters, actions, and images.
- 3.7 Explain the effects of common literary devices (e.g., symbolism, imagery, metaphor) in a variety of fictional and nonfictional texts.

### **Literary Criticism**

3.8 Critique the credibility of characterization and the degree to which a plot is contrived or realistic (e.g., compare use of fact and fantasy in historical fiction).

### **WRITING**

### 1.0 Writing Strategies

Students write clear, coherent, and focused essays. The writing exhibits students' awareness of the audience and purpose. Essays contain formal introductions, supporting evidence, and conclusions. Students progress through the stages of the writing process as needed.

### **Organization and Focus**

- 1.1 Choose the form of writing (e.g., personal letter, letter to the editor, review, poem, report, narrative) that best suits the intended purpose.
- 1.2 Create multiple-paragraph expository compositions:
- a. Engage the interest of the reader and state a clear purpose.
- b. Develop the topic with supporting details and precise verbs, nouns, and adjectives to paint a visual image in the mind of the reader.
- c. Conclude with a detailed summary linked to the purpose of the composition.
- 1.3 Use a variety of effective and coherent organizational patterns, including comparison and contrast; organization by categories; and arrangement by spatial order, order of importance, or climactic order.

#### Research and Technology

- 1.4 Use organizational features of electronic text (e.g., bulletin boards, databases, keyword searches, e-mail addresses) to locate information.
- 1.5 Compose documents with appropriate formatting by using word-processing skills and principles of design (e.g., margins, tabs, spacing, columns, page orientation).

#### **Evaluation and Revision**

1.6 Revise writing to improve the organization and consistency of ideas within and between paragraphs.

# 2.0 Writing Applications (Genres & Their Characteristics)

Students write narrative, expository, persuasive, and descriptive texts of at least 500 to 700 words in each genre. Student writing demonstrates a command of standard American English and the research, organizational, and drafting strategies outlined in Writing Standard 1.0.

Using the writing strategies of grade six outlined in Writing Standard 1.0, students:

- 2.1 Write narratives:
- a. Establish and develop a plot and setting and present a point of view that is appropri-ate to the stories
- b. Include sensory details and concrete language to develop plot and character.
- c. Use a range of narrative devices (e.g., dialogue, suspense).
- 2.2 Write expository compositions (e.g., description, explanation, comparison and contrast, problem and solution):
- a. State the thesis or purpose.
- b. Explain the situation.
- c. Follow an organizational pattern appropriate to the type of composition.
- d. Offer persuasive evidence to validate arguments and conclusions as needed
- 2.3 Write research reports:
- a. Pose relevant questions with a scope narrow enough to be thoroughly covered.
- b. Support the main idea or ideas with facts, details, examples, and explanations from multiple authoritative sources (e.g., speakers, periodicals, online information searches).
- c. Include a bibliography.
- 2.4 Write responses to literature:
- a. Develop an interpretation exhibiting careful reading understanding, and insight.
- b. Organize the interpretation around several clear ideas, premises, or images.
- c. Develop and justify the interpretation through sustained use of examples and textual evidence.

- 2.5 Write persuasive compositions:
- a. State a clear position on a proposition or proposal.
- b. Support the position with organized and relevant evidence.
- Anticipate and address reader concerns and counterarguments.

# Written & Oral English Language Conventions

The standards for written and oral English language conventions have been placed between those for writing and for listening and speaking because these conventions are essential to both sets of skills.

# 1.0 Written & Oral English Language Conventions

Students write and speak with a command of standard English conventions appropriate to this grade level.

#### **Sentence Structure**

1.1 Use simple, compound, and compound-complex sentences; use effective coordination and subordination of ideas to express complete thoughts.

#### Grammar

1.2 Identify and properly use indefinite pronouns and present perfect, past perfect, and future perfect verb tenses; ensure that verbs agree with compound subjects.

#### **Punctuation**

1.3 Use colons after the salutation in business letters, semicolons to connect independent clauses, and commas when linking two clauses with a conjunction in compound sentences.

#### Capitalization

1.4 Use correct capitalization.

#### **Spelling**

1.5 Spell frequently misspelled words correctly (e.g., their, they're, there).

### **LISTENING & SPEAKING**

# 1.0 Listening & Speaking Strategies

Students deliver focused, coherent presentations that convey ideas clearly and relate to the background and interests of the audience. They evaluate the content of oral communication.

### Comprehension

- 1.1 Relate the speaker's verbal communication (e.g., word choice, pitch, feeling, tone) to the nonverbal message (e.g., posture, gesture).
- 1.2 Identify the tone, mood, and emotion conveyed in the oral communication.
- 1.3 Restate and execute multiple-step oral instructions and directions.

### Organization and Delivery of Oral Communication

- 1.4 Select a focus, an organizational structure, and a point of view, matching the purpose, message, occasion, and vocal modulation to the audience.
- 1.5 Emphasize salient points to assist the listener in following the main ideas and concepts.
- 1.6 Support opinions with detailed evidence and with visual or media displays that use appropriate technology.
- 1.7 Use effective rate, volume, pitch, and tone and align nonverbal elements to sustain audience interest and attention.

## Analysis and Evaluation of Oral and Media Communications

- 1.8 Analyze the use of rhetorical devices (e.g., cadence, repetitive patterns, use of onomato-poeia) for intent and effect.
- 1.9 Identify persuasive and propaganda techniques used in television and identify false and misleading information.

# 2.0 Speaking Applications (Genres & Their Characters)

Students deliver well-organized formal presentations employing traditional rhetorical strategies (e.g., narration, exposition, persuasion, description). Student speaking demon-strates a command of standard American English and the organizational and delivery strategies outlined in Listening and Speaking Standard 1.0.

Using the speaking strategies of grade six outlined in Listening and Speaking Standard 1.0, students:

- 2.1 Deliver narrative presentations:
- a. Establish a context, plot, and point of view.
- Include sensory details and concrete language to develop the plot and character.
- c. Use a range of narrative devices (e.g., dialogue, tension, or suspense).
- 2.2 Deliver informative presentations:
- a. Pose relevant questions sufficiently limited in scope to be completely and thoroughly answered.
- b. Develop the topic with facts, details, examples, and explanations from multiple authoritative sources (e.g., speakers, periodicals, online information).
- 2.3 Deliver oral responses to literature:
- a. Develop an interpretation exhibiting careful reading, understanding, and insight.
- b. Organize the selected interpretation around several clear ideas, premises, or images.
- Develop and justify the selected interpretation through sustained use of examples and textual evidence.
- 2.4 Deliver persuasive presentations:
- a. Provide a clear statement of the position.
- b. Include relevant evidence.
- c. Offer a logical sequence of information.
- d. Engage the listener and foster acceptance of the proposition or proposal.
- 2.5 Deliver presentations on problems and solutions:
- a. Theorize on the causes and effects of each problem and establish connections between the defined problem and at least one solution.
- b. Offer persuasive evidence to validate the definition of the problem and the proposed solutions.

## **MATHEMATICS**

By the end of grade six, students have mastered the four arithmetic operations with whole numbers, positive fractions, positive decimals, and positive and negative integers; they accurately compute and solve problems. They apply their knowledge to statistics and probability. Students understand the concepts of mean, median, and mode of data sets and how to calculate the range. They analyze data and sampling processes for possible bias and misleading conclusions; they use addition and multiplication of fractions routinely to calculate the probabilities for compound events. Students conceptually understand and work with ratios and proportions; they compute percentages (e.g., tax, tips, interest). Students know about  $\pi$  and the formulas for the circumference and area of a circle. They use letters for numbers in formulas involving geometric shapes and in ratios to represent an unknown part of an expression. They solve one-step linear equations.

### **NUMBER SENSE**

- 1.0 Students compare and order positive and negative fractions, decimals, and mixed numbers. Students solve problems involving fractions, ratios, proportions, and percentages:
- 1.1 Compare and order positive and negative fractions, decimals, and mixed numbers and place them on a number line.
- 1.2 Interpret and use ratios in different contexts (e.g., batting averages, miles per hour) to show the relative sizes of two quantities, using appropriate notations (a/b, a to b, a:b).
- 1.3 Use proportions to solve problems (e.g., determine the value of N if 4/7 = N/21, find the length of a side of a polygon similar to a known polygon). Use cross-multiplication as a method for solving such problems, understanding it as the multiplication of both sides of an equation by a multiplicative inverse.
- 1.4 Calculate given percentages of quantities and solve problems involving discounts at sales, interest earned, and tips.
- 2.0 Students calculate and solve problems involving addition, subtraction, multiplication, and division:
- 2.1 Solve problems involving addition, subtraction, multiplication, and division of positive fractions and explain why a particular operation was used for a given situation.
- 2.2 Explain the meaning of multiplication and division of positive fractions and perform the calculations (e.g.,  $5/8 \div 5/16 = 5/8 \times 16/15 = 2/3$ ).

- 2.3 Solve addition, subtraction, multiplication, and division problems, including those arising in concrete situations, that use positive and negative integers and combinations of these operations.
- 2.4 Determine the least common multiple and the greatest common divisor of whole numbers; use them to solve problems with fractions (e.g., to find a common denominator to add two fractions or to find the reduced form for a fraction).

### **ALGEBRA & FUNCTIONS**

- 1.0 Students write verbal expressions and sentences as algebraic expressions and equations; they evaluate algebraic expressions, solve simple linear equations, and graph and interpret their results:
- 1.1 Write and solve one-step linear equations in one variable.
- 1.2 Write and evaluate an algebraic expression for a given situation, using up to three variables.
- 1.3 Apply algebraic order of operations and the commutative, associative, and distributive properties to evaluate expressions; and justify each step in the process.
- 1.4 Solve problems manually by using the correct order of operations or by using a scientific calculator.
- 2.0 Students analyze and use tables, graphs, and rules to solve problems involving rates and proportions:
- 2.1 Convert one unit of measurement to another (e.g., from feet to miles, from centimeters to inches).
- 2.2 Demonstrate an understanding that rate is a measure of one quantity per unit value of another quantity.
- 2.3 Solve problems involving rates, average speed, distance, and time.
- 3.0 Students investigate geometric patterns and describe them algebraically:
- 3.1 Use variables in expressions describing geometric quantities (e.g., P = 2w + 2l, A = /2 bh,  $C = \pi$  d—the formulas for the perimeter of a rectangle, the area of a triangle, and the circumference of a circle, respectively).
- 3.2 Express in symbolic form simple relationships arising from geometry.

# **MATHEMATICS**

# MEASUREMENT & GEOMETRY

- 1.0 Students deepen their understanding of the measurement of plane and solid shapes and use this understanding to solve problems:
- 1.1 Understand the concept of a constant such as  $\pi$ ; know the formulas for the circumference and area of a circle.
- 1.2 Know common estimates of  $\pi$  (3.14; 22/7) and use these values to estimate and calculate the circumference and the area of circles; compare with actual measurements.
- 1.3 Know and use the formulas for the volume of triangular prisms and cylinders (area of base × height); compare these formulas and explain the similarity between them and the formula for the volume of a rectangular solid.
- 2.0 Students identify and describe the properties of twodimensional figures:
- 2.1 Identify angles as vertical, adjacent, complementary, or supplementary and provide descriptions of these terms.
- 2.2 Use the properties of complementary and supplementary angles and the sum of the angles of a triangle to solve problems involving an unknown angle.
- 2.3 Draw quadrilaterals and triangles from given information about them (e.g., a quadrilateral having equal sides but no right angles, a right isosceles triangle).

# Statistics, Data Analysis, & Probability

- 1.0 Students compute and analyze statistical measurements for data sets:
- 1.1 Compute the range, mean, median, and mode of data sets.
- 1.2 Understand how additional data added to data sets may affect these computations of measures of central tendency.
- 1.3 Understand how the inclusion or exclusion of outliers affects measures of central tendency.

- 1.4 Know why a specific measure of central tendency (mean, median, mode) provides the most useful information in a given context.
- 2.0 Students use data samples of a population and describe the characteristics and limitations of the samples:
- 2.1 Compare different samples of a population with the data from the entire population and identify a situation in which it makes sense to use a sample.
- 2.2 Identify different ways of selecting a sample (e.g., convenience sampling, responses to a survey, random sampling) and which method makes a sample more representative for a population.
- 2.3 Analyze data displays and explain why the way in which the question was asked might have influenced the results obtained and why the way in which the results were displayed might have influenced the conclusions reached.
- 2.4 Identify data that represent sampling errors and explain why the sample (and the display) might be biased.
- 2.5 Identify claims based on statistical data and, in simple cases, evaluate the validity of the claims.
- 3.0 Students determine theoretical and experimental probabilities and use these to make predictions about events:
- 3.1 Represent all possible outcomes for compound events in an organized way (e.g., tables, grids, tree diagrams) and express the theoretical probability of each outcome.
- 3.2 Use data to estimate the probability of future events (e.g., batting averages or number of accidents per mile driven).
- 3.3 Represent probabilities as ratios, proportions, decimals between 0 and 1, and percentages between 0 and 100 and verify that the probabilities computed are reasonable; know that if P is the probability of an event, 1-P is the probability of an event not occurring.
- 3.4 Understand that the probability of either of two disjoint events occurring is the sum of the two individual probabilities and that the probability of one event following another, in independent trials, is the product of the two probabilities.
- 3.5 Understand the difference between independent and dependent events.

# **MATHEMATICS**

## MATHEMATICAL REASONING

- 1.0 Students make decisions about how to approach problems:
- 1.1 Analyze problems by identifying relationships, distinguishing relevant from irrelevant information, identifying missing information, sequencing and prioritizing information, and observing patterns.
- 1.2 Formulate and justify mathematical conjectures based on a general description of the mathematical question or problem posed.
- 1.3 Determine when and how to break a problem into simpler parts.
- 2.0 Students use strategies, skills, and concepts in finding solutions:
- 2.1 Use estimation to verify the reasonableness of calculated results.
- 2.2 Apply strategies and results from simpler problems to more complex problems.
- 2.3 Estimate unknown quantities graphically and solve for them by using logical reasoning and arithmetic and algebraic techniques.
- 2.4 Use a variety of methods, such as words, numbers, symbols, charts, graphs, tables, diagrams, and models, to explain mathematical reasoning.
- 2.5 Express the solution clearly and logically by using the appropriate mathematical notation and terms and clear language; support solutions with evidence in both verbal and symbolic work.
- 2.6 Indicate the relative advantages of exact and approximate solutions to problems and give answers to a specified degree of accuracy.
- 2.7 Make precise calculations and check the validity of the results from the context of the problem.
- 3.0 Students move beyond a particular problem by generalizing to other situations:
- 3.1 Evaluate the reasonableness of the solution in the context of the original situation.
- 3.2 Note the method of deriving the solution and demonstrate a conceptual under standing of the derivation by solving similar problems.
- 3.3 Develop generalizations of the results obtained and the strategies used and apply them in new problem situations.

# HISTORY/SOCIAL SCIENCE

# Historical & Social Sciences Analysis Skills

The intellectual skills noted below are to be learned through, and applied to, the content standards for grades six through eight. They are to be assessed only in conjunction with the content standards in grades six through eight.

In addition to the standards for grades six through eight, students demonstrate the following intellectual reasoning, reflection, and research skills:

#### **Chronological and Spatial Thinking**

- 1. Students explain how major events are related to one another in time.
- 2. Students construct various time lines of key events, people, and periods of the historical era they are studying.
- Students use a variety of maps and documents to identify physical and cultural features of neighborhoods, cities, states, and countries and to explain the historical migration of people, expansion and disintegration of empires, and the growth of economic systems.

#### Research, Evidence, and Point of View

- 1. Students frame questions that can be answered by historical study and research.
- 2. Students distinguish fact from opinion in historical narratives and stories
- 3. Students distinguish relevant from irrelevant information, essential from incidental information, and verifiable from unverifiable information in historical narratives and stories.
- 4. Students assess the credibility of primary and secondary sources and draw sound conclusions from them.
- Students detect the different historical points of view on historical events and determine the context in which the historical statements were made (the questions asked, sources used, author's perspectives).

### **Historical Interpretation**

- 1. Students explain the central issues and problems from the past, placing people and events in a matrix of time and place.
- 2. Students understand and distinguish cause, effect, sequence, and correlation in historical events, including the long- and short-term causal relations.

- 3. Students explain the sources of historical continuity and how the combination of ideas and events explains the emergence of new patterns.
- 4. Students recognize the role of chance, oversight, and error in history.
- Students recognize that interpretations of history are subject to change as new information is uncovered.
- Students interpret basic indicators of economic performance and conduct cost-benefit analyses of economic and political issues.

# WORLD HISTORY & GEOGRAPHY: ANCIENT CIVILIZATIONS

Students in grade six expand their understanding of history by studying the people and events that ushered in the dawn of the major Western and non-Western ancient civilizations. Geography is of special significance in the development of the human story. Continued emphasis is placed on the everyday lives, problems, and accomplishments of people, their role in developing social, economic, and political structures, as well as in establishing and spreading ideas that helped transform the world forever. Students develop higher levels of critical thinking by considering why civilizations developed where and when they did, why they became dominant, and why they declined. Students analyze the interactions among the various cultures, emphasizing their enduring contributions and the link, despite time, between the contemporary and ancient worlds.

- 6.1 Students describe what is known through archaeological studies of the early physical & cultural development of humankind from the Paleolithic era to the agricultural revolution.
  - 1. Describe the hunter-gatherer societies, including the development of tools and the use of fire.
  - Identify the locations of human communities that populated the major regions of the world and describe how humans adapted to a variety of environments.
  - 3. Discuss the climatic changes and human modifications of the physical environment that gave rise to the domestication of plants and animals and new sources of clothing and shelter.

# HISTORY/SOCIAL SCIENCE

6.2 Students analyze the geographic, political, economic, religious, & social structures of the early civilizations of Mesopotamia, Egypt, & Kush.

- 1. Locate and describe the major river systems and discuss the physical settings that supported permanent settlement and early civilizations.
- 2. Trace the development of agricultural techniques that permitted the production of economic surplus and the emergence of cities as centers of culture and power.
- 3. Understand the relationship between religion and the social and political order in Mesopotamia and Egypt.
- 4. Know the significance of Hammurabi's Code.
- Discuss the main features of Egyptian art and architecture.
- 6. Describe the role of Egyptian trade in the eastern Mediterranean and Nile valley.
- Understand the significance of Queen Hatshepsut and Ramses the Great.
- 8. Identify the location of the Kush civilization and describe its political, commercial, and cultural relations with Egypt.
- 9. Trace the evolution of language and its written forms

# 6.3 Students analyze the geographic, political, economic, religious, & social structures of the Ancient Hebrews.

- 1. Describe the origins and significance of Judaism as the first monotheistic religion based on the concept of one God who sets down moral laws for humanity.
- Identify the sources of the ethical teachings and central beliefs of Judaism (the Hebrew Bible, the Commentaries): belief in God, observance of law, practice of the concepts of righteousness and justice, and importance of study; and describe how the ideas of the Hebrew traditions are reflected in the moral and ethical traditions of Western civilization.

- 3. Explain the significance of Abraham, Moses, Naomi, Ruth, David, and Yohanan ben Zaccai in the development of the Jewish religion.
- 4. Discuss the locations of the settlements and movements of Hebrew peoples, including the Exodus and their movement to and from Egypt, and outline the significance of the Exodus to the Jewish and other people.
- 5. Discuss how Judaism survived and developed despite the continuing dispersion of much of the Jewish population from Jerusalem and the rest of Israel after the destruction of the second Temple in A.D. 70.

6.4 Students analyze the geographic, political, economic, religious, & social structures of the early civilizations of Ancient Greece.

- Discuss the connections between geography and the development of city-states in the region of the Aegean Sea, including patterns of trade and commerce among Greek city-states and within the wider Mediterranean region.
- 2. Trace the transition from tyranny and oligarchy to early democratic forms of government and back to dictatorship in ancient Greece, including the significance of the invention of the idea of citizenship (e.g., from Pericles' Funeral Oration).
- 3. State the key differences between Athenian, or direct, democracy and representative democracy.
- 4. Explain the significance of Greek mythology to the everyday life of people in the region and how Greek literature continues to permeate our literature and language today, drawing from Greek mythology and epics, such as Homer's Iliad and Odyssey, and from Aesop's Fables.
- 5. Outline the founding, expansion, and political organization of the Persian Empire.
- 6. Compare and contrast life in Athens and Sparta, with emphasis on their roles in the Persian and Peloponnesian Wars.
- 7. Trace the rise of Alexander the Great and the spread of Greek culture eastward and into Egypt.
- 8. Describe the enduring contributions of important Greek figures in the arts and sciences (e.g., Hypatia, Socrates, Plato, Aristotle, Euclid, Thucydides).

# HISTORY/SOCIAL SCIENCE

# 6.5 Students analyze the geographic, political, economic, religious, & social structures of the early civilizations of India.

- 1. Locate and describe the major river system and discuss the physical setting that supported the rise of this civilization.
- 2. Discuss the significance of the Aryan invasions.
- 3. Explain the major beliefs and practices of Brahmanism in India and how they evolved into early Hinduism.
- 4. Outline the social structure of the caste system.
- Know the life and moral teachings of Buddha and how Buddhism spread in India, Ceylon, and Central Asia.
- 6. Describe the growth of the Maurya empire and the political and moral achievements of the emperor Asoka.
- 7. Discuss important aesthetic and intellectual traditions (e.g., Sanskrit literature, including the Bhagavad Gita; medicine; metallurgy; and mathematics, including Hindu-Arabic numerals and the zero).

# 6.6 Students analyze the geographic, political, economic, religious, and social structures of the early civilizations of China.

- Locate and describe the origins of Chinese civilization in the Huang-He Valley during the Shang Dynasty.
- Explain the geographic features of China that made governance and the spread of ideas and goods difficult and served to isolate the country from the rest of the world.
- Know about the life of Confucius and the fundamental teachings of Confucianism and Taoism.
- 4. Identify the political and cultural problems prevalent in the time of Confucius and how he sought to solve them.
- List the policies and achievements of the emperor Shi Huangdi in unifying northern China under the Qin Dynasty.

- 6. Detail the political contributions of the Han Dynasty to the development of the imperial bureaucratic state and the expansion of the empire.
- 7. Cite the significance of the trans-Eurasian "silk roads" in the period of the Han Dynasty and Roman Empire and their locations.
- 8. Describe the diffusion of Buddhism northward to China during the Han Dynasty.

# 6.7 Students analyze the geographic, political, economic, religious, and social structures during the development of Rome.

- Identify the location and describe the rise of the Roman Republic, including the importance of such mythical and historical figures as Aeneas, Romulus and Remus, Cincinnatus, Julius Caesar, and Cicero.
- 2. Describe the government of the Roman Republic and its significance (e.g., written constitution and tripartite government, checks and balances, civic duty).
- 3. Identify the location of and the political and geographic reasons for the growth of Roman territories and expansion of the empire, including how the empire fostered economic growth through the use of currency and trade routes.
- 4. Discuss the influence of Julius Caesar and Augustus in Rome's transition from republic to empire.
- Trace the migration of Jews around the Mediterranean region and the effects of their conflict with the Romans, including the Romans' restrictions on their right to live in Jerusalem.
- 6. Note the origins of Christianity in the Jewish Messianic prophecies, the life and teachings of Jesus of Nazareth as described in the New Testament, and the contribution of St. Paul the Apostle to the definition and spread of Christian beliefs (e.g., belief in the Trinity, resurrection, salvation).
- Describe the circumstances that led to the spread of Christianity in Europe and other Roman territories.
- 8. Discuss the legacies of Roman art and architecture, technology and science, literature, language, and law.

## **SCIENCE**

# FOCUS ON EARTH SCIENCES

#### Plate Tectonics and Earth's Structure

- 1. Plate tectonics accounts for important features of Earth's surface and major geologic events.
  - As a basis for understanding this concept:
- Students know evidence of plate tectonics is derived from the fit of the continents; the location of earthquakes, volcanoes, and midocean ridges; and the distribution of fossils, rock types, and ancient climatic zones.
- b. Students know Earth is composed of several layers: a cold, brittle lithosphere; a hot, convecting mantle; and a dense, metallic core.
- c. Students know lithospheric plates the size of continents and oceans move at rates of centimeters per year in response to movements in the mantle.
- d. Students know that earthquakes are sudden motions along breaks in the crust called faults and that volcanoes and fissures are locations where magma reaches the surface.
- e. Students know major geologic events, such as earthquakes, volcanic eruptions, and mountain building, result from plate motions.
- f. Students know how to explain major features of California geology (including mountains, faults, volcanoes) in terms of plate tectonics.
- g. Students know how to determine the epicenter of an earthquake and know that the effects of an earthquake on any region vary, depending on the size of the earthquake, the distance of the region from the epicenter, the local geology, and the type of construction in the region.

### **Shaping Earth's Surface**

- Topography is reshaped by the weathering of rock and soil and by the transportation and deposition of sediment.
  - As a basis for understanding this concept:
- a. Students know water running downhill is the dominant process in shaping the landscape, including California's landscape.
- Students know rivers and streams are dynamic systems that erode, transport sediment, change course, and flood their banks in natural and recurring patterns.

- c. Students know beaches are dynamic systems in which the sand is supplied by rivers and moved along the coast by the action of waves.
- Students know earthquakes, volcanic eruptions, landslides, and floods change human and wildlife habitats.

#### **Heat (Thermal Energy) (Physical Sciences)**

- 3. Heat moves in a predictable flow from warmer objects to cooler objects until all the objects are at the same temperature.
  - As a basis for understanding this concept:
- a. Students know energy can be carried from one place to another by heat flow or by waves, including water, light and sound waves, or by moving objects.
- b. Students know that when fuel is consumed, most of the energy released becomes heat energy.
- c. Students know heat flows in solids by conduction (which involves no flow of matter) and in fluids by conduction and by convection (which involves flow of matter).
- d. Students know heat energy is also transferred between objects by radiation (radiation can travel through space).

### **Energy in the Earth System**

- 4. Many phenomena on Earth's surface are affected by the transfer of energy through radiation and convection currents.
  - As a basis for understanding this concept:
- a. Students know the sun is the major source of energy for phenomena on Earth's surface; it powers winds, ocean currents, and the water cycle.
- b. Students know solar energy reaches Earth through radiation, mostly in the form of visible light.
- c. Students know heat from Earth's interior reaches the surface primarily through convection.
- d. Students know convection currents distribute heat in the atmosphere and oceans.
- e. Students know differences in pressure, heat, air movement, and humidity result in changes of weather.

### **Ecology (Life Sciences)**

 Organisms in ecosystems exchange energy and nutrients among themselves and with the environment.

# **SCIENCE**

As a basis for understanding this concept:

- Students know energy entering ecosystems as sunlight is transferred by producers into chemical energy through photosynthesis and then from organism to organism through food webs.
- Students know matter is transferred over time from one organism to others in the food web and between organisms and the physical environment.
- Students know populations of organisms can be categorized by the functions they serve in an ecosystem.
- d. Students know different kinds of organisms may play similar ecological roles in similar biomes.
- e. Students know the number and types of organisms an ecosystem can support depends on the resources available and on abiotic factors, such as quantities of light and water, a range of temperatures, and soil composition.

#### Resources

6. Sources of energy and materials differ in amounts, distribution, usefulness, and the time required for their formation.

As a basis for understanding this concept:

- a. Students know the utility of energy sources is determined by factors that are involved in converting these sources to useful forms and the consequences of the conversion process.
- b. Students know different natural energy and material resources, including air, soil, rocks, minerals, petroleum, fresh water, wildlife, and forests, and know how to classify them as renewable or nonrenewable.
- c. Students know the natural origin of the materials used to make common objects.

# INVESTIGATION & EXPERIEMENTATION

- 7. Scientific progress is made by asking meaningful questions and conducting careful investigations.
  - As a basis for understanding this concept and addressing the content in the other three strands, students should develop their own questions and perform investigations. Students will:
- a. Develop a hypothesis.
- b. Select and use appropriate tools and technology (including calculators, computers, balances, spring scales, microscopes, and binoculars) to perform tests, collect data, and display data.
- Construct appropriate graphs from data and develop qualitative statements about the relationships between variables.
- d. Communicate the steps and results from an investigation in written reports and oral presentations.
- e. Recognize whether evidence is consistent with a proposed explanation.
- f. Read a topographic map and a geologic map for evidence provided on the maps and construct and interpret a simple scale map.
- g. Interpret events by sequence and time from natural phenomena (e.g., the relative ages of rocks and intrusions).
- h. Identify changes in natural phenomena over time without manipulating the phenomena (e.g., a tree limb, a grove of trees, a stream, a hillslope).

## PHYSICAL EDUCATION

### **STANDARD 1**

Students demonstrate the motor skills and movement patterns needed to perform a variety of physical activities.

### **Manipulative Skills**

- 1.1 Volley an object repeatedly with a partner, using the forearm pass.
- 1.2 Strike a ball continuously against a wall and with a partner, using a paddle for the forehand stroke and the backhand stroke.
- 1.3 Strike an object consistently, using a body part, so that the object travels in the intended direction at the desired height.
- 1.4 Strike an object consistently, using an implement, so that the object travels in the intended direction at the desired height.
- 1.5 Dribble and pass a ball to a partner while being guarded.
- 1.6 Throw an object accurately and with applied force, using the underhand, overhand, and sidearm movement (throw) patterns.

#### **Rhythmic Skills**

- 1.7 Perform folk and line dances.
- 1.8 Develop, refine, and demonstrate routines to music.

#### **Combinations of Movement Patterns and Skills**

- 1.9 Combine relationships, levels, speed, direction, and pathways in complex individual and group physical activities.
- 1.10 Combine motor skills to play a lead-up or modified game.
- 1.11 Design and perform smooth, flowing sequences of stunts, tumbling, and rhythmic patterns that combine traveling, rolling, balancing, and transferring weight.

### **STANDARD 2**

Students demonstrate knowledge of movement concepts, principles, and strategies that apply to the learning and performance of physical activities.

### **Movement Concepts**

- 2.1 Explain how to increase force based on the principles of biomechanics.
- 2.2 Explain how impact force is reduced by increasing the duration of impact.
- 2.3 Analyze and correct errors in movement patterns.
- 2.4 Provide feedback to a partner to assist in developing and improving movement skills.
- 2.5 Identify practices and procedures necessary for safe participation in physical activities.

#### **Manipulative Skills**

- 2.6 Explain the role of the legs, shoulders, and forearm in the forearm pass.
- 2.7 Identify the time necessary to prepare for and begin a forehand stroke and a backhand stroke.
- 2.8 Illustrate how the intended direction of an object is affected by the angle of the implement or body part at the time of contact.
- 2.9 Identify opportunities to pass or dribble while being guarded.

#### **Rhythmic Skills**

- 2.10 Identify steps and rhythm patterns for folk and line dances.
- 2.11 Explain how movement qualities contribute to the aesthetic dimension of physical activity.

#### **Combination of Movement Patterns and Skills**

2.12 Develop a cooperative movement game that uses locomotor skills, object manipulation, and an offensive strategy and teach the game to another person.

# PHYSICAL EDUCATION

### **STANDARD 3**

Students assess and maintain a level of physical fitness to improve health and performance.

- 3.1 Assess the components of health-related physical fitness (muscle strength, muscle endurance, flexibility, aerobic capacity, and body composition) by using a scientifically based health-related fitness assessment.
- 3.2 Compare individual physical fitness results with research-based standards for good health.
- 3.3 Develop individual goals for each of the components of health-related physical fitness (muscle strength, muscle endurance, flexibility, aerobic capacity, and body composition).
- 3.4 Participate in moderate to vigorous physical activity a minimum of four days each week. 3.5 Measure and evaluate changes in health-related physical fitness based on physical activity patterns.
- 3.6 Monitor the intensity of one's heart rate during physical activity.

### **STANDARD 4**

Students demonstrate knowledge of physical fitness concepts, principles, and strategies to improve health and performance.

- 4.1 Distinguish between effective and ineffective warm-up and cool-down techniques.
- 4.2 Develop a one-day personal physical fitness plan specifying the intensity, time, and types of physical activities for each component of health-related physical fitness.
- 4.3 Identify contraindicated exercises and their adverse effects on the body.
- 4.4 Classify physical activities as aerobic or anaerobic.
- 4.5 Explain methods of monitoring heart rate intensity.
- 4.6 List the long-term benefits of participation in regular physical activity.
- 4.7 Compile and analyze a log noting the food intake/calories consumed and energy expended through physical activity.

### STANDARD 5

Students demonstrate and utilize knowledge of psychological and sociological concepts, principles, and strategies that apply to the learning and performance of physical activity.

### **Self-Responsibility**

- 5.1 Participate productively in group physical activities.
- 5.2 Evaluate individual responsibility in group efforts.

#### **Social Interaction**

5.3 Identify and define the role of each participant in a cooperative physical activity.

### **Group Dynamics**

- 5.4 Identify and agree on a common goal when participating in a cooperative physical activity.
- 5.5 Analyze possible solutions to a movement problem in a cooperative physical activity and come to a consensus on the best solution.

### DANCE

### 1.0 ARTISTIC PERCEPTION

### Processing, Analyzing, and Responding to Sensory Information Through the Language and Skills Unique to Dance

Students perceive and respond, using the elements of dance. They demonstrate move-ment skills, process sensory information, and describe movement, using the vocabulary of dance.

### **Development of Motor Skills and Technical Expertise**

- 1.1 Demonstrate focus, physical control, coordination, and accurate reproduction in perform-ing locomotor and axial movement.
- 1.2 Incorporate a variety of force/energy qualities into executing a full range of movements.

### **Comprehension and Analysis of Dance Elements**

- 1.3 Identify and use force/energy variations when executing gesture and locomotor and axial movements.
- 1.4 Use the principles of contrast, unity, and variety in phrasing in dance studies and dances.

#### **Development of Dance Vocabulary**

1.5 Describe and analyze movements observed and performed, using appropriate dance vocabulary.

### 2.0 CREATIVE EXPRESSION

#### Creating, Performing, and Participating in Dance

Students apply choreographic principles, processes, and skills to create and communi-cate meaning through the improvisation, composition, and performance of dance.

### **Creation/Invention of Dance Movement**

- 2.1 Invent multiple possibilities to solve a given movement problem and develop the material into a short study.
- 2.2 Compare and demonstrate the difference between imitating movement and creating original material.

## **Application of Choreographic Principles and Processes to Creating Dance**

- 2.3 Describe and incorporate dance forms in dance studies.
- 2.4 Demonstrate the ability to coordinate movement with different musical rhythms and styles (e.g., ABA form, canon).
- 2.5 Use the elements of dance to create short studies that demonstrate the development of ideas and thematic material.

## Communication of Meaning in Dance Through Dance Performance

- 2.6 Demonstrate an awareness of the body as an instrument of expression when rehearing and performing.
- 2.7 Revise, memorize, and rehearse dance studies for the purpose of performing for others.

### **Development of Partner and Group Skills**

2.8 Demonstrate an ability to cooperate and collaborate with a wide range of partners and groups (e.g., imitating, leading/following, mirroring, calling/responding, echoing, sequence building).

# 3.0 HISTORICAL & CULTURAL CONTEXT

## **Understanding the Historical Contributions and Cultural Dimensions of Dance**

Students analyze the function and development of dance in past and present cultures throughout the world, noting human diversity as it relates to dance and dancers.

### **Development of Dance**

3.1 Compare and contrast features of dances already performed from different countries.

### **History and Function of Dance**

3.2 Explain the importance and function of dance in students' lives.

#### **Diversity of Dance**

3.3 Explain the various ways people have experienced dance in their daily lives (e.g., Roman entertainments, Asian religious ceremonies, baby naming in Ghana, Latin American celebrations).

### 4.0 AESTHETIC VALUING

### Responding to, Analyzing, and Making Judgments About Works of Dance

Students critically assess and derive meaning from works of dance, performance of dancers, and original works based on the elements of dance and aesthetic qualities.

### Description, Analysis, and Criticism of Dance

- 4.1 Apply knowledge of the elements of dance and the craft of choreography to critiquing (spatial design, variety, contrast, clear structure).
- 4.2 Propose ways to revise choreography according to established assessment criteria.

### **Meaning and Impact of Dance**

- 4.3 Discuss the experience of performing personal work for others.
- 4.4 Distinguish the differences between viewing live and recorded dance performances.

# 5.0 CONNECTIONS, RELATIONSHIPS, APPLICATIONS

### Connecting and Applying What Is Learned in Dance to Learning in Other Art Forms and Subject Areas and to Careers

Students apply what they learn in dance to learning across subject areas. They develop competencies and creative skills in problem solving, communication, and management of time and resources that contribute to lifelong learning and career skills. They also learn about careers in and related to dance.

### **Connections and Applications Across Disciplines**

- 5.1 Describe how other arts disciplines are integrated into dance performances (e.g., music, lighting, set design).
- 5.2 Describe the responsibilities a dancer has in maintaining health-related habits (e.g., balanced nutrition, regular exercise, adequate sleep).

### **Development of Life Skills and Career Competencies**

5.3 Identify careers in dance and dance-related fields (e.g., teacher, therapist, videographer, dance critic, choreographer, notator).

### **MUSIC**

### 1.0 ARTISTIC PERCEPTION

### Processing, Analyzing, and Responding to Sensory Information Through the Language and Skills Unique to Music

Students read, notate, listen to, analyze, and describe music and other aural information, using the terminology of music.

#### **Read and Notate Music**

- 1.1 Read, write, and perform intervals and triads.
- 1.2 Read, write, and perform rhythmic and melodic notation, using standard symbols for pitch, meter, rhythm, dynamics, and tempo in duple and triple meters.
- 1.3 Transcribe simple aural examples into rhythmic notation
- 1.4 Sight-read simple melodies in the treble clef or bass clef.

#### Listen to, Analyze, and Describe Music

- 1.5 Analyze and compare the use of musical elements representing various genres and cultures, emphasizing meter and rhythm.
- 1.6 Describe larger music forms (sonata-allegro form, concerto, theme and variations).

### 2.0 CREATIVE EXPRESSION

### Creating, Performing, and Participating in Music

Students apply vocal and instrumental musical skills in performing a varied repertoire of music. They compose and arrange music and improvise melodies, variations, and accompaniments, using digital/electronic technology when appropriate.

### **Apply Vocal and Instrumental Skills**

- 2.1 Sing a repertoire of vocal literature representing various genres, styles, and cultures with expression, technical accuracy, good posture, tone quality, and vowel shape—written and memorized, by oneself and in ensembles (level of difficulty: 1 on a scale of 1–6).
- 2.2 Sing music written in two parts.
- 2.3 Perform on an instrument a repertoire of instrumental literature representing various genres, styles, and cultures with expression, technical accuracy, tone quality, and articu-lation, by oneself and in ensembles (level of difficulty: 1 on a scale of 1–6)

#### Compose, Arrange, and Improvise

- 2.4 Compose short pieces in duple and triple meters.
- 2.5 Arrange simple pieces for voices or instruments, using traditional sources of sound.
- 2.6 Improvise simple melodies.

# 3.0 HISTORICAL & CULTURAL CONTEXT

### Understanding the Historical Contributions and Cultural Dimensions of Music

Students analyze the role of music in past and present cultures throughout the world, noting cultural diversity as it relates to music, musicians, and composers.

### **Role of Music**

3.1 Compare music from two or more cultures of the world as to the functions the music serves and the roles of musicians.

3.2 Listen to and describe the role of music in ancient civilizations (e.g., Chinese, Egyptian, Greek, Indian, Roman).

### **Diversity of Music**

- 3.3 Describe distinguishing characteristics of representative musical genres and styles from two or more cultures.
- 3.4 Listen to, describe, and perform music of various styles from a variety of cultures.
- 3.5 Classify by style and genre a number of exemplary musical works and explain the characteristics that make each work exemplary.

### 4.0 AESTHETIC VALUING

### Responding to, Analyzing, and Making Judgments About Works of Music

Students critically assess and derive meaning from works of music and the performance of musicians in a cultural context according to the elements of music, aesthetic qualities, and human responses.

### **Analyze and Critically Assess**

4.1 Develop criteria for evaluating the quality and effectiveness of musical performances compositions, including arrangements and improvisations, and apply the criteria in personal listening and performing.

#### **Derive Meaning**

- 4.2 Explain how various aesthetic qualities convey images, feeling, or emotion.
- 4.3 Identify aesthetic qualities in a specific musical work

# 5.0 CONNECTIONS, RELATIONSHIPS, APPLICATIONS

### Connecting and Applying What Is Learned in Music to Learning in Other Art Forms and Subject Areas and to Careers

Students apply what they learn in music across subject areas. They develop competen-cies and creative skills in problem solving, communication, and management of time and resources that contribute to lifelong learning and career skills. They also learn about careers in and related to music.

### **Connections and Applications**

5.1 Describe how knowledge of music connects to learning in other subject areas.

#### **Careers and Career-Related Skills**

5.2 Identify career pathways in music.

### **THEATRE**

### 1.0 ARTISTIC PERCEPTION

### Processing, Analyzing, and Responding to Sensory Information Through the Language and Skills Unique to Theatre

Students observe their environment and respond, using the elements of theatre. They also observe formal and informal works of theatre, film/video, and electronic media and respond, using the vocabulary of theatre.

### **Development of the Vocabulary of Theatre**

1.1 Use the vocabulary of theatre, such as action/
reaction, vocal projection, subtext, theme, mood,
design, production values, and stage crew, to
describe theatrical experiences.

### Comprehension and Analysis of the Elements of Theatre

1.2 Identify how production values can manipulate mood to persuade and disseminate propaganda.

### 2.0 CREATIVE EXPRESSION

### Creating, Performing, and Participating in Theatre

Students apply processes and skills in acting, directing, designing, and scriptwriting to create formal and informal theatre, film/videos, and electronic media productions and to perform in them.

#### **Development of Theatrical Skills**

2.1 Participate in improvisational activities, demonstrating an understanding and context.

### Creation/Invention in Theatre

- 2.2 Use effective vocal expression, gesture, facial expression, and timing to create character.
- 2.3 Write and perform scenes or one-act plays that include monologue, dialogue, action, and setting together with a range of character types.

# 3.0 HISTORICAL & CULTURAL CONTEXT

### **Understanding the Historical Contributions and Cultural Dimensions of Theatre**

Students analyze the role and development of theatre, film/video, and electronic media in past and present cultures throughout the world, noting diversity as it relates to theatre.

#### Role and Cultural Significance of Theatre

3.1 Create scripts that reflect particular historical periods or cultures.

#### **History of Theatre**

3.2 Differentiate the theatrical traditions of cultures throughout the world, such as those in Ancient Greece, Egypt, China, and West Africa.

### 4.0 AESTHETIC VALUING

## Responding to, Analyzing, and Critiquing Theatrical Experiences

Students critique and derive meaning from works of theatre, film/video, electronic media, and theatrical artists on the basis of aesthetic qualities.

#### **Critical Assessment of Theatre**

4.1 Develop and apply appropriate criteria for evaluating sets, lighting, and props.

### **Derivation of Meaning from Works of Theatre**

4.2 Identify examples of how theatre, television, and film can influence or be influenced by politics and culture.

# 5.0 CONNECTIONS, RELATIONSHIPS, APPLICATIONS

# Connecting and Applying What Is Learned in Theatre, Film/Video, and Electronic Media to Other Art Forms and Subject Areas and to Careers

Students apply what they learn in theatre, film/video, and electronic media across subject areas. They develop competencies and creative skills in problem solving, communication, and time management that contribute to lifelong learning and career skills. They also learn about careers in and related to theatre.

### **Connections and Applications**

5.1 Use theatrical skills to communicate concepts or ideas from as a demonstration in history–social science of how persuasion and propaganda are used in advertising.

#### Careers and Career-Related Skills

5.2 Research career opportunities in media, advertising, marketing, and interactive Web design.

### **VISUAL ARTS**

### 1.0 ARTISTIC PERCEPTION

### Processing, Analyzing, and Responding to Sensory Information Through the Language and Skills Unique to the Visual Arts

Students perceive and respond to works of art, objects in nature, events, and the envi-ronment. They also use the vocabulary of the visual arts to express their observations.

### **Develop Visual Arts Knowledge and Vocabulary**

- 1.1 Identify and describe all the elements of art found in selected works of art (e.g., color, shape/form, line, texture, space, value).
- 1.2 Discuss works of art as to theme, genre, style, idea, and differences in media.
- 1.3 Describe how artists can show the same theme by using different media and styles.

### **Analyze Art Elements and Principles of Design**

1.4 Describe how balance is effectively used in a work of art (e.g., symmetrical, asymmetri-cal, radial).

### 2.0 CREATIVE EXPRESSION

### Creating, Performing, and Participating in the Visual Arts

Students apply artistic processes and skills, using a variety of media to communicate meaning and intent in original works of art.

### Skills, Processes, Materials, and Tools

- 2.1 Use various observational drawing skills to depict a variety of subject matter.
- 2.2 Apply the rules of two-point perspective in creating a thematic work of art.
- 2.3 Create a drawing, using varying tints, shades, and intensities.

## Communication and Expression Through Original Works of Art

- 2.4 Create increasingly complex original works of art reflecting personal choices and in-creased technical skill.
- 2.5 Select specific media and processes to express moods, feelings, themes, or ideas.
- 2.6 Use technology to create original works of art.

# 3.0 HISTORICAL & CULTURAL CONTEXT

## **Understanding the Historical Contributions and Cultural Dimensions of the Visual Arts**

Students analyze the role and development of the visual arts in past and present cultures throughout the world, noting human diversity as it relates to the visual arts and artists.

### Role and Development of the Visual Arts

- 3.1 Research and discuss the role of the visual arts in selected periods in history, using a variety of resources (both print and electronic).
- 3.2 View selected works of art from a culture and describe how they have changed or not changed in theme and content over a period of time.

### **Diversity of the Visual Arts**

3.3 Compare, in oral or written form, representative images or designs from at least two selected cultures.

### 4.0 AESTHETIC VALUING

### Responding to, Analyzing, and Making Judgments About Works in the Visual Arts

Students analyze, assess, and derive meaning from works of art, including their own, according to the elements of art, the principles of design, and aesthetic qualities.

#### **Derive Meaning**

- 4.1 Construct and describe plausible interpretations of what they percieve in works of art.
- 4.2 Identify and describe ways in which their culture is being reflected in current works of art.

### **Make Informed Judgments**

- 4.3 Develop specific criteria as individuals or in groups to assess and critique works of art.
- 4.4 Change, edit, or revise their works of art after a critique, articulating reasons for their changes.

# 5.0 CONNECTIONS, RELATIONSHIPS, APPLICATIONS

# Connecting and Applying What Is Learned in the Visual Arts to Other Art Forms and Subject Areas and to Careers

Students apply what they learn in the visual arts across subject areas. They develop competencies and creative skills in problem solving, communication, and management of time and resources that contribute to lifelong learning and career skills. They also learn about careers in and related to the visual arts.

### **Connections and Applications**

- 5.1 Research how art was used in theatrical productions in the past and in the present.
- 5.2 Research how traditional characters (such as the trickster) found in a variety of cultures past and present are represented in illustrations.
- 5.3 Create artwork containing visual metaphors that express the traditions and myths of selected cultures.

### **Visual Literacy**

5.4 Describe tactics employed in advertising to sway the viewer's thinking and provide examples.

#### **Careers and Career-Related Skills**

5.5 Establish criteria to use in selecting works of art for a specific type of art exhibition.