

LANGUAGE ARTS

STATE GOAL 1: READ WITH UNDERSTANDING AND FLUENCY

LEARNING STANDARD A: Apply word analysis and vocabulary skills to comprehend selections.

R = Reading Objective

L = Language Arts Objective

L/R = Both

SEVENTH GRADE OBJECTIVES:

1. Understand the process of becoming a strategic reader. (R)
2. Enlarge speaking, reading, and writing vocabulary through the study of roots and affixes; synonyms, antonyms, homonyms; words of multiple meaning; idioms; figurative language; words in context; and words most frequently misspelled. (L/R)

LANGUAGE ARTS

STATE GOAL 1: READ WITH UNDERSTANDING AND FLUENCY

LEARNING STANDARD B: Apply reading strategies to improve understanding and fluency.

R = Reading Objective

L = Language Arts Objective

L/R = Both

SEVENTH GRADE OBJECTIVES:

1. Recognize the theme of a given literary work. (R)
2. Draw inferences from various forms of communication. (R)
3. Understand the process of becoming a strategic reader through various methods. (R)

LANGUAGE ARTS

STATE GOAL 1: READ WITH UNDERSTANDING AND FLUENCY

LEARNING STANDARD C: Comprehend a broad range of reading materials.

R = Reading Objective L= Language Arts Objective L/R = Both

SEVENTH GRADE OBJECTIVES:

1. Distinguish between different genres and different writing techniques. (R)
2. Distinguish between a) fact and opinion/theory and b) cause and effect in a given literary work. (R)
3. Make predictions and form questions from a given literary work. (R)
4. Compare, contrast and evaluate information from various reading sources. (R)
5. Interpret information from charts, tables and maps from reading material. (R)

LANGUAGE ARTS

STATE GOAL 2: READ AND UNDERSTAND LITERATURE REPRESENTATIVE OF VARIOUS SOCIETIES, ERAS AND IDEAS.

LEARNING STANDARD A: Understand how literary elements and techniques are used to convey meaning.

R = Reading Objective

L = Language Arts Objective

L/R = Both

SEVENTH GRADE OBJECTIVES:

1. Identify figurative language and its major types. (R)
2. Understand story elements of plot, character development, setting and theme in realistic writings. (R)
3. Recognize and understand the characteristics of humor, exaggeration, sarcasm and irony. (R)

LANGUAGE ARTS

STATE GOAL 2: READ AND UNDERSTAND LITERATURE REPRESENTATIVE OF VARIOUS SOCIETIES, ERAS AND IDEAS.

LEARNING STANDARD B: Read and interpret a variety of literary works.

R = Reading Objective L = Language Arts Objective L/R = Both

SEVENTH GRADE OBJECTIVES:

1. Identify elements in a given literary work. (R)
2. Understand the purposes, perspectives and characteristics of historical writings in realistic settings. (R)
3. Understand myths and their values. (R)
4. Differentiate between a variety of genres (myths, tales, biographies, etc). (R)
5. Contribute appropriately in a group setting when given roles. (R)
6. Interpret meaning of various poetic works. (R)

LANGUAGE ARTS

STATE GOAL 3: WRITE TO COMMUNICATE FOR A VARIETY OF PURPOSES

LEARNING STANDARD A: Use correct grammar, spelling, punctuation, capitalization and structure.

R = Reading Objective

L = Language Arts Objective

L/R = Both

SEVENTH GRADE OBJECTIVES:

1. Identify four sentence types. (L)
2. Identify the parts of a sentence. (L)
3. Differentiate between a sentence and a fragment. (L)
4. Establish proper rules for punctuation and grammar usage. (L)
5. Proofread a piece of writing to correct spelling, punctuation and grammar. (L)
6. Develop a five paragraph essay including an introduction and conclusion. (L)
7. Identify and understand the eight parts of speech. (L)
8. Edit documents for clarity, spelling, capitalization and punctuation to create a final copy. (L)

LANGUAGE ARTS

STATE GOAL 3: WRITE TO COMMUNICATE FOR A VARIETY OF PURPOSES

LEARNING STANDARD B: Compose well-organized and coherent writing for specific purposes and audiences.

R = Reading Objective L = Language Arts Objective L/R = Both

SEVENTH GRADE OBJECTIVES:

1. Use descriptive details, reasons for an opinion, concrete examples of solutions to a problem, and/or an author's viewpoint to support the main idea. (L)
2. Edit and revise for word choice, organization, consistent point of view and transitions among paragraphs. (L)

LANGUAGE ARTS

STATE GOAL 3: WRITE TO COMMUNICATE FOR A VARIETY OF PURPOSES

LEARNING STANDARD C: Communicate ideas in writing to accomplish a variety of purposes.

R = Reading Objective

L = Language Arts Objective

L/R = Both

SEVENTH GRADE OBJECTIVES:

1. Compose and differentiate between a narrative, expository and persuasive piece of writing. (L)
2. Use appropriate language for public and personal writing for various audiences. (L)

LANGUAGE ARTS

STATE GOAL 4: LISTEN AND SPEAK EFFECTIVELY IN A VARIETY OF SITUATIONS.

LEARNING STANDARD A: Listen effectively in formal and informal situations.

R = Reading Objective L = Language Arts Objective L/R = Both

SEVENTH GRADE OBJECTIVES:

1. Know the point of view of a specific source from an oral message. (R)
2. Listen attentively, demonstrating the ability to concentrate and respond appropriately, to improve comprehension. (R)
3. Recognize the purposes of communication: informing, entertaining and persuading. (L/R)
4. Restate and perform multi-step oral directions. (L)

LANGUAGE ARTS

STATE GOAL 4: LISTEN AND SPEAK EFFECTIVELY IN A VARIETY OF SITUATIONS.

LEARNING STANDARD B: Speak effectively using language appropriate to the situation and audience.

R = Reading Objective

L = Language Arts Objective

L/R = Both

SEVENTH GRADE OBJECTIVES:

1. Deliver planned oral presentations by providing details and supporting information that clarify the main ideas. (L/R)
2. Speak with clarity and use physical movement, gestures and eye contact to communicate interest and enthusiasm. (L/R)
3. Prepare and orally present original work supported by research. (L/R)

LANGUAGE ARTS

STATE GOAL 5: USE THE LANGUAGE ARTS TO ACQUIRE, ASSESS AND COMMUNICATE INFORMATION.

LEARNING STANDARD A: Locate, organize and use information from various sources to answer questions, solve problems and communicate ideas.

R = Reading Objective L = Language Arts Objective L/R = Both

SEVENTH GRADE OBJECTIVES:

1. Select appropriate resources to solve problems or answer questions through research.
(L)
2. Use information appropriately from other sources when writing, including citing sources from a paper and bibliographies. (L)
3. Develop a credible research report from multiple sources using graphic organizers.
(L)

LANGUAGE ARTS

STATE GOALS 5: USE THE LANGUAGE ARTS TO ACQUIRE, ASSESS AND COMMUNICATE INFORMATION.

LEARNING STANDARD B: Analyze and evaluate information acquired from various sources.

R = Reading Objective

L = Language Arts Objective

L/R = Both

SEVENTH GRADE OBJECTIVES:

1. Choose and evaluate primary and secondary sources of information for a variety of purposes. (L)

LANGUAGE ARTS

STATE GOAL 5: USE THE LANGUAGE ARTS TO ACQUIRE, ASSESS AND COMMUNICATE INFORMATION.

LEARNING STANDARD C: Apply acquired information, concepts and ideas to communicate in a variety of formats.

R = Reading Objective L = Language Arts Objective L/R = Both

SEVENTH GRADE OBJECTIVES:

1. Compose friendly and business letters. (L)
2. Take notes, conduct interviews, organize and report information in oral, visual or electronic formats. (L)

MATH

NUMBER SENSE

STATE GOAL M6: DEMONSTRATE AND APPLY A KNOWLEDGE AND SENSE OF NUMBERS, INCLUDING NUMERATION AND OPERATIONS (ADDITION, SUBTRACTION, MULTIPLICATION, DIVISION), PATTERNS, RATIOS AND PROPORTIONS.

LEARNING STANDARD A: Demonstrate knowledge and use of numbers and their representations in a broad range of theoretical and practical settings.

SEVENTH GRADE OBJECTIVES:

1. Associate “+” with positive integers and “-” with negative integers.
2. State the opposite and absolute value of any integer.
3. Convert among fractions, decimals and percents.
4. Translate words and phrases into algebraic expressions.
5. Express algebraic expressions as words or phrases.
6. Represent fractions, decimals, percentages, exponents and scientific notation in equivalent forms.

NUMBER SENSE

STATE GOAL M6: DEMONSTRATE AND APPLY A KNOWLEDGE AND SENSE OF NUMBERS, INCLUDING NUMBERATION AND OPERATIONS (ADDITION, SUBTRACTION, MULTIPLICATION, DIVISION), PATTERNS, RATIOS AND PROPORTIONS.

LEARNING STANDARD B: Investigate, represent and solve problems using number facts, operations (addition, subtraction, multiplication, division) and their properties, algorithms and relationships.

SEVENTH GRADE OBJECTIVES:

1. Perform basic operations with integers.
2. Identify too much or too little information to solve word problems.
3. Identify the appropriate operational property demonstrated in a given problem.
4. Apply properties of addition, subtraction, multiplication and division to simplify expressions.
5. Determine whether a number is a prime or composite.
6. Apply divisibility rules of 2,3,4,5,6,9 and 10.
7. Write prime factorization using exponents.
8. Solve problems with whole numbers proper fractions and mixed numbers, decimals and integers using the four basic operations.

NUMBER SENSE

STATE GOAL M6: DEMONSTRATE AND APPLY A KNOWLEDGE AND SENSE OF NUMBERS, INCLUDING NUMERATION AND OPERATIONS (ADDITION, SUBTRACTION, MULTIPLICATION, DIVISION), PATTERNS, RATIOS AND PROPORTIONS.

LEARNING STANDARD C: Compute and estimate using mental mathematics, paper-and-pencil methods, calculators and computers.

SEVENTH GRADE OBJECTIVES:

1. Estimate the answers to problems with whole numbers, decimals and fractions using the four basic operations.
2. Add, subtract, multiply, and divide whole numbers, fractions, and decimals with and without a calculator.
3. Estimate the answer prior to calculating the solution.
4. Apply problem solving strategies in solving problems.

NUMBER SENSE

STATE GOAL M6: DEMONSTRATE AND APPLY A KNOWLEDGE AND SENSE OF NUMBERS, INCLUDING NUMERATION AND OPERATIONS (ADDITION, SUBTRACTION, MULTIPLICATION, DIVISION), PATTERNS, RATIOS AND PROPORTIONS.

LEARNING STANDARD D: Solve problems using comparison of quantities, ratios, proportions and percents.

SEVENTH GRADE OBJECTIVES:

1. Compute percentage of a whole number.
2. Compute what percent one number is of another.
3. Determine whether a fraction, decimal or percent is greater than 100%, less than 1% or in between 1% and 100%.
4. Compute percent of increase and decrease of a number.
5. Use a formula to compute interest.
6. Write a ratio as a fraction and use cross products to determine equal ratios.
7. Write and solve proportions.
8. Use proportions to solve problems involving similar figures, scale drawings or distances on a map.
9. Solve word problems using ratio and proportion.

ESTIMATION AND MEASUREMENT

STATE GOAL M7: ESTIMATE, MAKE AND USE MEASUREMENTS OF OBJECTS, QUANTITIES AND RELATIONSHIPS AND DETERMINE ACCEPTABLE LEVELS OF ACCURACY.

LEARNING STANDARD A: Measure and compare quantities using appropriate units.

SEVENTH GRADE OBJECTIVES:

1. Convert lengths, weights, and capacities within the customary and/or metric system.
2. Use a ruler in the customary and/or metric system to measure a line segment to the appropriate level of accuracy.
3. Use a protractor to measure angles to appropriate levels of accuracy.
4. Classify angles as acute, obtuse, right or straight.

ESTIMATION AND MEASUREMENT

STATE GOAL M7: ESTIMATE, MAKE AND USE MEASUREMENTS OF OBJECTS, QUANTITIES AND RELATIONSHIPS AND DETERMINE ACCEPTABLE LEVELS OF ACCURACY.

LEARNING STANDARD B: Estimate measurements and determine acceptable levels of accuracy.

SEVENTH GRADE OBJECTIVES:

1. Estimate the distance between two points using a standard unit of length (metric or customary) to the appropriate level of accuracy.
2. Estimate the weight of an object in the standard unit (metric or customary) to the appropriate level of accuracy.
3. Estimate the capacity of an object in the standard unit (metric or customary) to the appropriate level of accuracy.

ESTIMATION AND MEASUREMENT

STATE GOAL M7: ESTIMATE, MAKE AND USE MEASUREMENTS OF OBJECTS, QUANTITIES AND RELATIONSHIPS AND DETERMINE ACCEPTABLE LEVELS OF ACCURACY.

LEARNING STANDARD C: Select and use appropriate technology, instruments and formulas to solve problems, interpret results and communicate findings.

SEVENTH GRADE OBJECTIVES:

1. Find the perimeter of a polygon.
2. Find the area of rectangles and triangles using formulas.
3. Find the volume of prisms (triangular and rectangular) using formulas.
4. Find the area and circumference of a circle using formulas.
5. Find area of combined shapes.
6. Solve simple rate, time and distance problems.

ALGEBRA AND ANALYTICAL METHODS

STATE GOALS M8: USE ALGEBRAIC AND ANALYTICAL METHODS TO IDENTIFY AND DESCRIBE PATTERNS AND RELATIONSHIPS IN DATA, SOLVE PROBLEMS AND PREDICT RESULTS.

LEARNING STANDARD A: Describe numerical relationships using variables and patterns.

SEVENTH GRADE OBJECTIVES:

1. Write an expression using variables and symbols of operations.
2. Identify numerical properties (associative, distributive).
3. Find numerical patterns and give the next three terms in a sequence.
4. Identify a relationship between two variables in a table.

ALGEBRA AND ANALYTICAL METHODS

STATE GOAL M8: USE ALGEBRAIC AND ANALYTICAL METHODS TO IDENTIFY AND DESCRIBE PATTERNS AND RELATIONSHIPS IN DATA, SOLVE PROBLEMS AND PREDICT RESULTS.

LEARNING STANDARD B: Interpret and describe numerical relationships using tables, graphs and symbols.

SEVENTH GRADE OBJECTIVES:

1. Plot a set of points on a Cartesian coordinate plane.
2. Create a table of values that satisfies a simple linear equation and plot the points on the Cartesian plane.

ALGEBRA AND ANALYTICAL METHODS

STATE GOAL M8: USE ALGEBRAIC AND ANALYTICAL METHODS TO IDENTIFY AND DESCRIBE PATTERNS AND RELATIONSHIPS IN DATA, SOLVE PROBLEMS AND PREDICT RESULTS.

LEARNING STANDARD C: Solve problems using systems of numbers and their properties.

SEVENTH GRADE OBJECTIVES:

1. Apply the rules for order of operations to evaluate expressions involving addition, subtraction, multiplication, or division of whole numbers.
2. Apply properties when evaluating expressions involving real numbers. (distributive, associative).

ALGEBRA AND ANALYTICAL METHODS

STATE GOAL M8: USE ALGEBRAIC AND ANALYTICAL METHODS TO IDENTIFY AND DESCRIBE PATTERNS AND RELATIONSHIPS IN DATA, SOLVE PROBLEMS AND PREDICT RESULTS.

LEARNING STANDARD D: Use algebraic concepts and procedures to represent and solve problems.

SEVENTH GRADE OBJECTIVES:

1. Solve and check one and two step equations involving addition, subtraction, multiplication and division.
2. Solve word problems using equations.
3. Apply properties of powers, perfect squares and square roots.

GEOMETRY

STATE GOAL M9: USE GEOMETRIC METHODS TO ANALYZE, CATEGORIZE AND DRAW CONCLUSIONS ABOUT POINTS, LINES, PLANES AND SPACE.

LEARNING STANDARD A: Demonstrate and apply geometric concepts involving points, lines, planes and space.

SEVENTH GRADE OBJECTIVES:

1. Identify and draw perpendicular lines and parallel lines.
2. Identify a chord on a circle.
3. Identify various types of quadrilaterals and their properties.
4. Identify the vertex of an angle.
5. Measure and classify angles using a protractor.
6. Determine the unknown angle in triangles and quadrilaterals.
7. Construct angles using a compass and straight edge.
8. Perform transformations with geometric figures.
9. Solve problems that involve vertical, complimentary and supplementary angles.

GEOMETRY

STATE GOAL M9: USE GEOMETRIC METHODS TO ANALYZE, CATEGORIZE AND DRAW CONCLUSIONS ABOUT POINTS, LINES, PLANES AND SPACE.

LEARNING STANDARD B: Identify, describe, classify and compare relationships using points, lines, planes and solids.

SEVENTH GRADE OBJECTIVES:

1. Identify complimentary and supplementary angles.
2. Count the faces, edges, and vertices of solid objects such as cones, cubes, etc.
3. Classify and order quadrilaterals according to their properties.

GEOMETRY

STATE GOAL M9: USE GEOMETRIC METHODS TO ANALYZE, CATEGORIZE AND DRAW CONCLUSIONS ABOUT POINTS, LINES, PLANES AND SPACE.

LEARNING STANDARD C: Construct convincing arguments and proofs to solve problems.

SEVENTH GRADE OBJECTIVES:

1. Recognize the relationship among the angles formed by parallel lines cut by a transversal.
2. Use the properties of complementary and supplementary angles to determine the measurement of some adjacent angles.
3. Examine the relationships of diagonals in a polygon to the sum of the interior angles.
4. Develop the area formulas for the parallelogram, triangle and trapezoid.

GEOMETRY

STATE GOAL M9: USE GEOMETRIC METHODS TO ANALYZE, CATEGORIZE AND DRAW CONCLUSIONS ABOUT POINTS, LINES, PLANES AND SPACE.

LEARNING STANDARD D: Use trigonometric ratios and circular functions to solve problems.

SEVENTH GRADE OBJECTIVES:

1. Compute lengths of sides and measures of angles in similar triangles using proportions.
2. Use the Pythagorean Theorem to find lengths of sides in right triangles.

DATA ANALYSIS AND PROBABILITY

STATE GOAL M10: COLLECT, ORGANIZE AND ANALYZE DATA USING STATISTICAL METHODS; PREDICT RESULTS; AND INTERPRET UNCERTAINTY USING CONCEPTS OF PROBABILITY.

LEARNING STANDARD A: Organize, describe and make predications from existing data.

SEVENTH GRADE OBJECTIVES:

1. Construct and interpret a frequency chart.
2. Construct and interpret a scatter plot.
3. Represent numerical data in a stem-and-leaf display.
4. Students will use “real life” application to help construct and interpret a frequency and/or stem-and-leaf display.
5. Construct and interpret various types of graphs.
6. Discuss potential bias in data presentation

DATA ANALYSIS AND PROBABILITY

STATE GOAL M10: COLLECT, ORGANIZE AND ANALYZE DATA USING STATISTICAL METHODS; PREDICT RESULTS; AND INTERPRET UNCERTAINTY USING CONCEPTS OF PROBABILITY.

LEARNING STANDARD B: Formulate questions, design data collection methods, gather and analyze data and communicate findings.

SEVENTH GRADE OBJECTIVES:

1. Know reasons for having graphs.
2. Construct and interpret various types of graphs.
3. Find the mean, median, mode, and/or range of a set of data.
4. Students will collect, organize, and analyze data in a small group project to reinforce statistical skills.

DATA ANALYSIS AND PROBABILITY

STATE GOAL M10: COLLECT, ORGANIZE AND ANALYZE DATA USING UNCERTAINTY USING CONCEPTS OF PROBABILITY.

LEARNING STANDARD C: Determine, describe and apply the probabilities of events.

SEVENTH GRADE OBJECTIVES:

1. State the probability of occurrence as a ratio or a percent.
2. State which occurrence is most or least probable.
3. Calculate probabilities of independent events.
4. Identify the differences between a permutation and combination.
5. Identify the differences between theoretical and experimental probability using independent and dependent events.

SCIENCE

INQUIRY AND DESIGN

STATE GOAL SC11: UNDERSTAND THE PROCESSES OF SCIENTIFIC INQUIRY AND TECHNOLOGICAL DESIGN TO INVESTIGATE QUESTIONS, CONDUCT EXPERIMENTS AND SOLVE PROBLEMS.

LEARNING STANDARD A: Know and apply the concepts, principles and processes of scientific inquiry.

SEVENTH GRADE OBJECTIVES:

1. Identify the basic principles of scientific research and experimentation.
2. Evaluate and modify a hypothesis.
3. Design and conduct an experiment.
4. Discuss cause/effect relationship between variables.
5. Form an inference from observations.
6. Create a graph to describe an object or event.
7. Interpret and draw conclusions from observed data.
8. Predict an outcome from a trend data.
9. Recognize cause/effect relationship after observing related events.
10. Know the parts of, and how to operate, a compound microscope.
11. Learn how to make wet mounts independently during a class lab.

SCIENCE
INQUIRY AND DESIGN

STATE GOAL SC11: UNDERSTAND THE PROCESSES OF SCIENTIFIC INQUIRY AND TECHNOLOGICAL DESIGN TO INVESTIGATE QUESTIONS, CONDUCT EXPERIMENTS AND SOLVE PROBLEMS.

LEARNING STANDARD B: Know and apply the concepts, principles and processes of technological design.

SEVENTH GRADE OBJECTIVES:

1. Construct a three-dimensional model/structure and test for stability.
2. Focus on factors that effect a system of structural support.
3. Understand features that contribute to a structure's durability and design.
4. Understand that many different cultures have influenced architecture and design techniques.
5. Evaluate models/structures based on classroom generated criteria.
6. Understand cause/effect relationships to explain contemporary problems.

CONCEPTS AND PRINCIPLES

STATE GOAL SC12: UNDERSTAND THE FUNDAMENTAL CONCEPTS, PRINCIPLES AND INTERCONNECTIONS OF THE LIFE, PHYSICAL AND EARTH/SPACE SCIENCES.

LEARNING STANDARD A: Know and apply concepts that explain how living things function, adapt and change.

SEVENTH GRADE OBJECTIVES:

1. Describe and understand the physical and behavioral adaptations that allow organisms to live successfully in their environment.
2. Understand why energy is important to an organism.
3. Know how organisms reproduce.

CONCEPTS AND PRINCIPLES

STATE GOAL SC12: UNDERSTAND THE FUNDAMENTAL CONCEPTS, PRINCIPLES AND INTERCONNECTIONS OF THE LIFE, PHYSICAL AND EARTH/SPACE SCIENCES.

LEARNING STANDARD B: Know and apply concepts that describe how living things interact with each other and with their environment.

SEVENTH GRADE OBJECTIVES:

CONCEPTS AND PRINCIPLES

STATE GOAL SC12: UNDERSTAND THE FUNDAMENTAL CONCEPTS, PRINCIPLES AND INTERCONNECTIONS OF THE LIFE, PHYSICAL AND EARTH/SPACE SCIENCES.

LEARNING STANDARD C: Know and apply concepts that describe properties of matter and energy and the interactions between them.

SEVENTH GRADE OBJECTIVES:

1. Know and understand energy transformations.
2. Calculate mechanical advantage.
3. Understand the variety of forms of energy (mechanical, chemical, electrical, potential and kinetic).

CONCEPTS AND PRINCIPLES

STATE GOAL SC12: UNDERSTAND THE FUNDAMENTAL CONCEPTS, PRINCIPLES AND INTERCONNECTIONS OF THE LIFE, PHYSICAL AND EARTH/SPACE SCIENCES.

LEARNING STANDARD D: Know and apply concepts that describe force and motion and the principles that explain them.

SEVENTH GRADE OBJECTIVES:

1. Identify the difference between mass and weight.
2. Recognize and illustrate the many types of forces.
3. Understand why the size of gravitational force changes.
4. Understand causes and consequences of friction.
5. Know unbalanced forces cause motion.
6. Understand the concept of inertia.
7. Explain how simple machines interact to form complex mechanical systems.
8. Understand how energy is related to work and mechanical systems.

CONCEPTS AND PRINCIPLES

STATE GOAL SC12: UNDERSTAND THE FUNDAMENTAL CONCEPTS, PRINCIPLES AND INTERCONNECTIONS OF THE LIFE, PHYSICAL AND EARTH/SPACE SCIENCES.

LEARNING STANDARD E: Know and apply concepts that describe the features and processes of the Earth and its resources.

SEVENTH GRADE OBJECTIVES:

1. Identify how igneous, sedimentary and metamorphic rocks are formed.
2. Understand how fossils tell us what plants and animals lived in past ages.
3. Explain origins of land forms of Earth.
4. Know how the internal structure of the Earth relates to the processes that shape it.

CONCEPTS AND PRINCIPLES

STATE GOAL SC12: UNDERSTAND THE FUNDAMENTAL CONCEPTS, PRINCIPLES AND INTERCONNECTIONS OF THE LIFE, PHYSICAL AND EARTH/SPACE SCIENCES.

LEARNING STANDARD F: Know and apply concepts that explain the composition and structure of the universe and Earth's place in it.

SEVENTH GRADE OBJECTIVES:

1. Distinguish between a solar system, galaxy and universe.
2. Differentiate between rotation and revolution using the planetary system.
3. Know what happens during a star's life span.
4. Compare scale and structure of a solar system to the Milky Way.
5. Understand the relationship between the Earth and the Moon.
6. Understand the cause of seasonal change.
7. Use and understand calculations to determine light-years.

SCIENCE, TECHNOLOGY AND SOCIETY

STATE GOAL SC13: UNDERSTAND THE RELATIONSHIPS AMONG SCIENCE, TECHNOLOGY AND SOCIETY IN HISTORICAL AND CONTEMPORARY CONTEXTS.

LEARNING STANDARD A: Know and apply the accepted practices of science.

SEVENTH GRADE OBJECTIVES:

1. Identify inferences that should be accepted, rejected or modified on the basis of additional information.
2. Understand and apply science lab safety rules, regulations and guidelines.
3. Use science equipment correctly and safely.
4. Compare/contrast student observations and experimental research.
5. Understand that scientific practices have changed over history.
6. Understand that contemporary scientific issues are complex, controversial and ever-changing.

SCIENCE, TECHNOLOGY AND SOCIETY

STATE GOAL SC13: UNDERSTAND THE RELATIONSHIPS AMONG CONTEMPORARY CONTEXTS.

LEARNING STANDARD B: Know and apply concepts that describe the interaction between science, technology and society.

SEVENTH GRADE OBJECTIVES:

1. Recognize reasons for protecting our environment: land, water and air.
2. Recognize the reasons for protecting and conserving our natural resources.
3. Identify the impact that technology has on the quality of our lives.
4. Identify major contributions to science and technology and the contributors.
5. Understand the differences between science and technology.

POLITICAL SYSTEMS

STATE GOAL SS14: UNDERSTAND POLITICAL SYSTEMS, WITH AN EMPHASIS ON THE UNITED STATES.

LEARNING STANDARD A: Understand and explain basic principles of the United States government.

SEVENTH GRADE OBJECTIVES:

1. Identify the weaknesses of the Articles of Confederation.
2. Identify the major events surrounding the writing of the United States Constitution and the basic ideas contained in the Constitution.
3. Know and understand the main ideas of the Declaration of Independence.
4. Compare the form of government provided by the Articles of Confederation with that established by the United States Constitution.
5. Know the rights guaranteed by the First Ten Amendments to the U.S. Constitution.
6. Know the main ideas of the Declaration of Independence and the Preamble to the Constitution of the United States.

POLITICAL SYSTEMS

STATE GOAL SS14: UNDERSTAND POLITICAL SYSTEMS, WITH AN EMPHASIS ON THE UNITED STATES.

LEARNING STANDARD B: Understand the structures and functions of the political systems of Illinois, the United States and other nations.

SEVENTH GRADE OBJECTIVES:

1. Identify the three branches of United States government, demonstrate an understanding of each branch's duties and powers, and show an understanding of the separation of powers between the three branches.
2. Demonstrate a knowledge of the United States judicial system and the roles of different levels of courts in that system.

POLITICAL SYSTEMS

STATE GOAL SS14: UNDERSTAND POLITICAL SYSTEMS, WITH AN EMPHASIS ON THE UNITED STATES.

LEARNING STANDARD C: Understand election processes and responsibilities of citizens.

SEVENTH GRADE OBJECTIVES:

1. Understand the United States election process and the role of political parties in elections.
2. Identify limitations on the right to vote and the gradual extension of the franchise to different groups throughout colonial and United States history.
3. Describe the events and important factors surrounding significant United States presidential elections.
4. Know current major candidates running for national and local election by party and office sought.

POLITICAL SYSTEMS

STATE GOAL SS14: UNDERSTAND POLITICAL SYSTEMS, WITH AN EMPHASIS ON THE UNITED STATES.

LEARNING STANDARD D: Understand the roles and influences of individuals and interest groups in the political systems of Illinois, the United States and other nations,

SEVENTH GRADE OBJECTIVES:

1. Explain the role of lobbies in influencing lawmakers and legislation.
2. Explain the roles played by important historical figures in the development and writing of the United States Constitution.
3. Display an understanding of the role of political parties in carrying out the agendas of various groups, and be able to identify positions on issues that formulate a party platform.
4. Display an understanding of the important events in the lives of United States presidents, senators, congressmen, cabinet members and other political leaders, as well as their contributions to and impact on American government.
5. Demonstrate familiarity with current events as they relate to the operation of the three branches of the United States government, including the making of laws by Congress, executive actions of the president and decisions by federal courts.

POLITICAL SYSTEMS

STATE GOAL SS14: UNDERSTAND POLITICAL SYSTEMS, WITH AN EMPHASIS ON THE UNITED STATES.

LEARNING STANDARD E: Understand United States foreign policy as it relates to other nations and international issues.

SEVENTH GRADE OBJECTIVES:

1. Describe the impact of United States alliances with foreign nations on the outcome of different wars and other events.
2. Identify examples of, and explain the rationale for, United States isolationism and neutrality in various world conflicts throughout American history.
3. Identify and describe instances of United States cooperation with the exploitation of Native Americans, and the resulting political and economic changes in United States – Native American relations that resulted.
4. Know the roles of United States political leaders such as the president, vice president, secretary of state, secretary of defense and ambassadors in carrying out United States foreign policies and relations.

POLITICAL SYSTEMS

STATE GOAL SS14: UNDERSTAND POLITICAL SYSTEMS, WITH AN EMPHASIS ON THE UNITED STATES.

LEARNING STANDARD F: Understand the development of United States political ideas and traditions.

SEVENTH GRADE OBJECTIVES:

1. Understand the meaning and symbolism of the Pledge of Allegiance.
2. Understand the development of democracy as a central force in the operation of United States society.
3. Recognize and explain the significance of the Magna Carta as a basis for the development of representative government and the establishment of political rights in the English Colonies.
4. Identify and understand the functions of the different parts of English government and their relationship to the different parts of the English colonial governments during the 17th and 18th centuries.
5. Recognize and explain the significance of different ideas and influences that shaped the writing of the United States Constitution.
6. Provide examples of methods of popular protest against government policies and the results of these protests.
7. Identify examples of compromise in American governmental institutions, and in other settings, in settling political differences throughout American history.
8. Understand the meaning and symbolism of “The Star Spangled Banner”.
9. Identify and explain the importance of significant court cases throughout United States history.
10. Describe the relationship between the national government and the state governments in the American federal system of government.
11. Understand the meaning of the symbols of the United States flag.

ECONOMICS

STATE GOAL SS15: UNDERSTAND ECONOMIC SYSTEMS, WITH AN EMPHASIS ON THE UNITED STATES.

LEARNING STANDARD A: Understand how different economic systems operate in the exchange, production, distribution and consumption of goods and services.

SEVENTH GRADE OBJECTIVES:

1. Describe advances in transportation and their impact on economic development in American history.
2. Understand the concept of a bartering system and its use in American history.
3. Define the concept of bonds and understand their use by governments to borrow money.
4. Understand the concepts of governments taxation and spending and their relationship to government budget deficits, surpluses and debts.
5. Understand the concept of competition between businesses and its effect on prices, quality, supply and demand.

ECONOMICS

STATE GOAL SS15: UNDERSTAND ECONOMIC SYSTEMS, WITH AN EMPHASIS ON THE UNITED STATES.

LEARNING STANDARD B: Understand that scarcity necessitates choices by consumers.

SEVENTH GRADE OBJECTIVES:

1. Understand the decision-making processes based on goals, values and needs applied to selected consumer and social problems.
2. Display an understanding of the influence of terrain, climate and natural resources on the agricultural, industrial and economic development of different regions.
3. Understand the concepts of importation and exportation of goods and services based on scarcity and surplus of goods and services.

ECONOMICS

STATE GOAL SS15: UNDERSTAND ECONOMIC SYSTEMS, WITH AN EMPHASIS ON THE UNITED STATES.

LEARNING STANDARD C: Understand that scarcity necessitates choices by producers.

SEVENTH GRADE OBJECTIVES:

1. Display an understanding of the influence of terrain, climate and natural resources on the agricultural, industrial and economic development of different regions.
2. Understand the concepts of importation and exportation of goods and services based on scarcity and surplus.

ECONOMICS

STATE GOAL SS15: UNDERSTAND ECONOMIC SYSTEMS, WITH AN EMPHASIS ON THE UNITED STATES.

LEARNING STANDARD D: Understand trade as an exchange of goods or services.

SEVENTH GRADE OBJECTIVES:

1. Describe the triangular trade routes that developed during the 17th and 18th centuries involving colonial America.
2. Describe trade patterns that existed between Native Americans and American settlers throughout American history.
3. Describe trade patterns that existed within the United States throughout colonial and American history.
4. Describe trade patterns that existed between the United States and foreign nations throughout American history.

ECONOMICS

STATE GOAL SS15: UNDERSTAND ECONOMIC SYSTEMS, WITH AN EMPHASIS ON THE UNITED STATES.

LEARNING STANDARD E: Understand the impact of government policies and decisions on production and consumption in the economy.

SEVENTH GRADE OBJECTIVES:

1. Describe the Navigation Acts, explain the reasons they were passed by Parliament, and understand their impact on colonial economies during the 17th and 18th centuries.
2. Understand the relationship of laws regarding slavery and economic choices made by producers and consumers in Colonial America and the United States.
3. Identify ways in which the American colonial economies responded to English laws they perceived as repressive and unfair.
4. Understand the concept of an embargo and identify an example of the use of an embargo by the United States.
5. Understand the concepts of government taxation and spending and their relationship to government budget deficits, surpluses and debts.

HISTORY

STATE GOAL SS16: UNDERSTAND EVENTS, TRENDS, INDIVIDUALS AND MOVEMENTS SHAPING THE HISTORY OF ILLINOIS, THE UNITED STATES AND OTHER NATIONS.

LEARNING STANDARD A: Apply the skills of historical analysis and interpretation.

SEVENTH GRADE OBJECTIVES:

1. Identify the major people, causes, events and outcomes of the American Revolution.
2. Understand the causes and effects of revolution and change in society.
3. Identify the major people, causes, events and outcomes of the French and Indian War.
4. Identify the major people, causes, events and outcomes of the War of 1812.
5. Identify the major people, causes, events and outcomes of the Texas Revolution.
6. Identify the major people, causes, events and outcomes of the Mexican War.
7. Identify reasons for migrations of groups of people throughout history.
8. Understand and analyze maps, charts, graphs and political cartoons.

HISTORY

STATE GOAL SS16: UNDERSTAND EVENTS, TRENDS, INDIVIDUALS AND MOVEMENTS SHAPING THE HISTORY OF ILLINOIS, THE UNITED STATES AND OTHER NATIONS.

LEARNING STANDARD B: Understand the development of significant political events.

SEVENTH GRADE OBJECTIVES:

1. Demonstrate an understanding of the role of political parties in American government and the reasons behind the formation of the first political parties in the United States.
2. Understand the causes and effects of revolution and change in society.
3. Identify and describe instances of colonial and American cooperation with and exploitation of Native Americans, and the resulting changes in political boundaries in the United States.
4. Describe methods of protest used by American colonists during the time leading up to the American Revolution.
5. Display knowledge and understanding of the important events in the lives of American colonial leaders during the time leading up to and including the American Revolution, including their contributions to and impact on the colonial protest movement against unfair British practices.
6. Display an understanding of the important events in the lives of United States presidents, senators, congressmen, cabinet members and other political leaders, as well as their contributions to American government and life.
7. Describe the events and important factors surrounding significant United States presidential elections.
8. Identify and explain the importance of significant court cases throughout United States history.

HISTORY

STATE GOAL SS16: UNDERSTAND EVENTS, TRENDS, INDIVIDUALS AND MOVEMENTS SHAPING THE HISTORY OF ILLINOIS, THE UNITED STATES AND OTHER NATIONS.

LEARNING STANDARD C: Understand the development of economic systems.

SEVENTH GRADE OBJECTIVES:

1. Recognize the differences between the various sections of the Thirteen Colonies.
2. Understand the development of the United States into distinct geographical and/or cultural regions during different periods in history.
3. Describe the triangular trade routes that developed during the 17th and 18th centuries involving Colonial America.

HISTORY

STATE GOAL SS16: UNDERSTAND EVENTS, TRENDS, INDIVIDUALS AND MOVEMENTS SHAPING THE HISTORY OF ILLINOIS, THE UNITED STATES AND OTHER NATIONS.

LEARNING STANDARD D: Understand Illinois, United States and world social history.

SEVENTH GRADE OBJECTIVES:

1. Identify the major events and people which shaped the culture of the Thirteen Colonies.
2. Recognize the differences between the various sections of the Thirteen Colonies.
3. Identify the major events in the American westward movement.
4. Identify the concept of Manifest Destiny and its role in the United States westward expansion.
5. Identify historically significant African-Americans and explain their role in United States history.
6. Understand the development of the United States into distinct geographical and/or cultural regions during different periods in history.
7. Understand the influences of customs, traditions, and folkways in shaping human behavior.
8. Identify and describe major developments during the Enlightenment Period of the 17th and 18th centuries.
9. Recognize the significance of the Mayflower Compact as an example of a social contract aimed at forming a functioning and cooperative society.
10. Identify the unique roles and contributions of women in American colonial society.
11. Describe the religious beliefs of different groups of people in American colonial history and United States history, such as Puritans, Pilgrims, Quakers and Mormons.
12. Identify and describe different social classes in American colonial society.

HISTORY

STATE GOAL SS16: UNDERSTAND EVENTS, TRENDS, INDIVIDUALS AND MOVEMENTS SHAPING THE HISTORY OF ILLINOIS, THE UNITED STATES AND OTHER NATIONS.

LEARNING STANDARD E: Understand Illinois, United States and world environmental history.

SEVENTH GRADE OBJECTIVES:

1. Identify ways in which European and American movement on to Native American lands altered Native American lands in ways that disrupted their cultures and lifestyles.
2. Understand how changes in technological development have effected the environment throughout United States and world history.
3. Describe decisions regarding land use throughout American history.
4. Explain the role that the economic development of an area has on environmental factors in that area.

TEACHING STRAND: GEOGRAPHY

STATE GOAL SS17: UNDERSTAND WORLD GEOGRAPHY AND THE EFFECTS OF GEOGRAPHY ON SOCIETY, WITH AN EMPHASIS ON THE UNITED STATES.

LEARNING STANDARD A: Locate, describe, and explain places, regions and features on the Earth.

SEVENTH GRADE OBJECTIVES:

1. Identify the location of new lands acquired by the United States in the Louisiana Purchase.
2. Locate and identify on a map the Thirteen Original Colonies.
3. Know the location of the United States in relation to other nations of the world.
4. Demonstrate an understanding of all map skills including using a scale, key, grid, symbols, legends, etc.
5. Understand the meaning of longitude and latitude and be able to find locations on a map or globe using longitude and latitude.
6. Identify lands through which the Oregon Trail, the Santa Fe Trail, the Mormon Trail and the California Trail went, including important physical features and terrain.
7. Locate and identify the seven continents.
8. Locate and identify major worldwide bodies of water, including oceans, lakes, seas and rivers.
9. Locate and identify regions within the United States.
10. Locate and identify individual states and important cities in the United States.
11. Locate and identify major world and American land forms, including mountains, hills, plains, plateaus and deserts.
12. Identify and describe different climate types, and locate places characteristic of those climate types.
13. Understand and analyze maps, charts, graphs and political cartoons.
14. Locate each of the world's hemispheres.

GEOGRAPHY

STATE GOAL SS17: UNDERSTAND WORLD GEOGRAPHY AND THE EFFECTS OF GEOGRAPHY ON SOCIETY, WITH AN EMPHASIS ON THE UNITED STATES.

LEARNING STANDARD B: Analyze and explain characteristics and interactions of the Earth's physical systems.

SEVENTH GRADE OBJECTIVES:

1. Know the major sub-regions of the United States.
2. Demonstrate an understanding of all map skills including using a scale, key, grid, symbols, legends, etc.
3. Understand the meaning of longitude and latitude and be able to find locations on a map or globe using longitude and latitude.
4. Demonstrate an understanding of the relationship between geographical location, elevation, terrain and climate.
5. Display an understanding of the influence of terrain, climate and natural resources on the agricultural, industrial and economic development of different regions.

GEOGRAPHY

STATE GOAL SS17: UNDERSTAND WORLD GEOGRAPHY AND THE EFFECTS OF GEOGRAPHY ON SOCIETY, WITH AN EMPHASIS ON THE UNITED STATES.

LEARNING STANDARD C: Understand relationships between geographic factors and society.

SEVENTH GRADE OBJECTIVES:

1. Know the major sub-regions of the United States.
2. Display an understanding of the influence of terrain, climate and natural resources on the agricultural, industrial and economic development of different regions.
3. Analyze the effects that geographical features such as terrain, climate, and location have on decisions regarding use of land and natural resources in a region.

GEOGRAPHY

STATE GOAL SS17: UNDERSTAND WORLD GEOGRAPHY AND THE EFFECTS OF GEOGRAPHY ON SOCIETY, WITH AN EMPHASIS ON THE UNITED STATES.

LEARNING STANDARD D: Understand the historical significance of geography.

SEVENTH GRADE OBJECTIVES:

1. Understand the development of the United States into distinct geographical and/or cultural regions during different periods in history.
2. Analyze the effects that geographical features such as terrain, climate, and location have on the planning, carrying out, and outcome of important historical events, including wars, migrations and other historical events.
3. Identify the geographical advantages for the development of slavery in the South.
4. Describe the geographical barriers that needed to be overcome, and the resulting technology that was developed, in order for westward movement to occur throughout United States history.

SOCIAL SYSTEMS

STATE GOAL SS18: UNDERSTAND SOCIAL SYSTEMS, WITH AN EMPHASIS ON THE UNITED STATES.

LEARNING STANDARD A: Compare characteristics of culture as reflected in language, literature, the arts, traditions and institutions.

SEVENTH GRADE OBJECTIVES:

1. Understand the influences of customs, traditions and folkways in shaping human behavior.
2. Understand group influence (peers, family, society) and how all individuals belong to a variety of groups.
3. Recognize and understand the dignity, worth, and differences of others including those who belong to a different cultural, religious, racial or ethnic group.

SOCIAL SYSTEMS

STATE GOAL SS18: UNDERSTAND SOCIAL SYSTEMS, WITH AN EMPHASIS ON THE UNITED STATES.

LEARNING STANDARD B: Understand the roles and interactions of individuals and groups in society.

SEVENTH GRADE OBJECTIVES:

1. Recognize the causes and effects of racism and prejudice and their impact upon history.
2. Understand the influences of customs, traditions and folkways in shaping human behavior.
3. Understand group influence (peers, family, society) and how all individuals belong to a variety of groups.
4. Identify significant issues facing society, provide possible solutions, and the rationale for those solutions.
5. Understand the decision-making processes based on goals, values and needs applied to selected consumer and social problems.
6. Recognize and understand the dignity, worth and differences of others, including those who belong to a different cultural, religious, racial or ethnic group.
7. Identify events that contributed to the development of religious tolerance in the English Colonies during the 17th and 18th centuries.
8. Understand the concept of minorities and identify important minority groups, minority leaders and related issues throughout American history.

SOCIAL SYSTEMS

STATE GOAL SS18: UNDERSTAND SOCIAL SYSTEMS, WITH AN EMPHASIS ON THE UNITED STATES.

LEARNING STANDARD C: Understand how social systems form and develop over time.

SEVENTH GRADE OBJECTIVES:

1. Understand the influences of customs, traditions and folkways in shaping human behavior.
2. Understand group influence (peers, family, society) and how all individuals belong to a variety of groups.
3. Recognize and understand the dignity, worth and differences of others including those who belong to a different cultural and political roles of women throughout American history.

