

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

SIXTH GRADE OBJECTIVES:

1. Understand how verbal and nonverbal cues effect meaning. (R)
2. Enlarge speaking, reading and writing vocabulary through word analysis and vocabulary skills to comprehend selections. (L/R)
3. Understand the process of becoming a strategic reader. (R)
4. Understand word patterns, root words, prefixes, suffixes, synonyms, antonyms, similes, metaphors and figurative language. (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

SIXTH GRADE OBJECTIVES:

1. Draw inferences from different forms of communication. (R)
2. Recognize the story elements and theme of a given literary work. (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

SIXTH GRADE OBJECTIVES:

1. Distinguish between a) fact and opinion/theory and b) cause and effect in a given literary work. (R)
2. Cite evidence to support a specific purpose for a given literary work. (R)
3. Distinguish between different genres. (R)
4. Use various information to form and make predictions from a given literary work. (R)
5. Compare, contrast, summarize and make generalizations from a given literary work. (R)
6. Relate information presented in tables, maps and charts to printed material. (R)
7. Recognize and interpret illustrations from various cultures. (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

SIXTH GRADE OBJECTIVES:

1. Identify figurative language. (R)
2. Understand the story elements of a novel: plot, character development, setting and theme and how they create meaning. (R)
3. Recognize how poets use different elements to create messages, sounds and images. (R)
4. Read and respond to the range of short, simple stories and poems to complex literary works. (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

SIXTH GRADE OBJECTIVES:

1. Recognize how cultural differences have an impact on given literary works. (R)
2. Recognize the historical and scientific perspective found in a given literary work. (R)
3. Identify significant elements in a given literary work. (R)
4. Develop an appreciation for myths and understand their values. (R)
5. Contribute appropriately in a group setting. (L/R)
6. Differentiate between a variety of genres (myths, tales, biographies, etc.) (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

SIXTH GRADE OBJECTIVES:

1. Identify the four sentence types (Declarative, Imperative, Interrogative and Exclamatory). (L)
2. Identify subject and predicates in a complex sentence. (L)
3. Differentiate between a sentence, fragment and run-on. (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 four paragraph essay, including an introduction and conclusion. (L)
7. Identify and understand the eight parts of speech (noun, pronoun, verb, adverb, adjective, adverb, preposition, conjunction and interjection). (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

SIXTH 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 ideas. (L)
2. Edit and revise for word choice, organization, consistent point of view, and transitions among paragraphs to ensure that documents are formatted in final form for submission. (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

SIXTH GRADE OBJECTIVES:

1. Compose and differentiate between narrative, expository and persuasive styles. (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

SIXTH 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 imagining. (L/R)
4. Restate and complete multi-step oral or written instructions. (L)
5. Separate main ideas from facts and details. (R)

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

SIXTH GRADE OBJECTIVES:

1. Deliver a planned oral presentation by providing details and supporting information that clarifies the main idea. (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 an original work (poems, reports, plays, etc.) 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

SIXTH GRADE OBJECTIVES:

1. Identify appropriate resources to solve problems or answer questions through research. (L)
2. Use information appropriately, from various sources, when writing. (L)
3. Develop a credible research report, including note cards, 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

SIXTH GRADE OBJECTIVES:

1. Identify primary sources for a variety of purposes. (L)
2. Use and develop a bibliography. (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.

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

SIXTH 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.

SIXTH GRADE OBJECTIVES:

1. Read the value of any digit in a decimal number up to thousandth's.
2. Order fractions, from largest to smallest and smallest to largest.
3. Know the value of a number raised to the second or third power.
4. Round a whole number to the nearest trillion and/or a decimal to the nearest trillionth's.
5. Identify the place value of a a given decimal between two given numbers.
6. Add, subtract, multiply, and divide whole numbers, fractions and decimals with and without a calculator.
7. Change fractions and decimals to percents.
8. Use a place value chart to read the value of any decimal number.
9. Practice exponents using repeated multiplication.

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.

SIXTH GRADE OBJECTIVES:

1. Identify fractions in lowest terms.
2. Write division facts, related to a given multiplication fact, involving decimals and whole numbers.
3. Recognize the least and greatest common multiple of two given whole numbers.
4. Know whether enough information is presented to arrive at a conclusion.
5. Use appropriate operations to arrive at the answer to a given question or word problem.
6. Use opposite operations to self-check basic algorithms.
7. Determine whether a number is prime or composite.
8. Create factor trees to identify the greatest common factor of two whole numbers.

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.

SIXTH GRADE OBJECTIVES:

1. Add, subtract, multiply and divide any fraction with and without a calculator.
2. Add, subtract, multiply and divide any two decimals with and without a calculator.
3. Estimate and compute various problems involving currency.
4. Recognize the relationship between math and daily economics.
5. Estimate answers prior to calculating a problem.

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.

SIXTH GRADE OBJECTIVES:

1. Complete number sequences using the pattern presented.
2. Compute the missing term in a proportion.
3. Solve problems leading to proportions in arithmetic situations.
4. Solve numerical and word problems involving simple interest.
5. Solve problems comparing quantities using whole numbers, decimals and fractions.

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.

SIXTH GRADE OBJECTIVES:

1. Identify appropriate standard units (in both metric and English) for measuring length, weight/mass, capacity and temperature.
2. Convert length, weight and capacities within the English/customary system and the metric system.
3. Use a ruler in the English/customary system and the metric system to measure a segment.
4. Use a conversion chart to convert measurements within the English System.

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.

SIXTH GRADE OBJECTIVES:

1. Estimate the distance between two points in the standard (metric or English) unit of length within an 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.

SIXTH GRADE OBJECTIVES:

1. Select and use appropriate tools for measuring length, weight/mass, capacity and temperature.
2. Apply the formula which relates to length and area in a geometric figure using the appropriate measurement tool.
3. Use measurement results to determine the solutions to a problem and demonstrate methodology.

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.

SIXTH GRADE OBJECTIVES:

1. Use a variable to describe a pattern involving numbers and operations.
2. Select the solution to a linear sentence from a choice of whole numbers.

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.

SIXTH GRADE OBJECTIVES:

1. Draw a bar graph, with the correct components, when given a data table or ordered pairs.
2. Draw a line graph, with the correct components, when given a data table or ordered pairs.
3. Draw a circle graph, with the correct components, after gathering data.
4. Draw a pictograph, with the correct components, after gathering data.
5. Given a data table or a set of ordered pairs, 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.

SIXTH GRADE OBJECTIVES:

1. Write an equation for a situation involving addition, subtraction, multiplication or division using whole numbers or decimal numbers.
2. Apply the rules for order of operations to evaluate expressions involving addition, subtraction, multiplication, or division of whole numbers.
3. Apply the properties (associative, commutative, and distributive) to evaluate expressions involving addition, subtraction, multiplication, or division of whole numbers and decimal numbers.
4. Create a mnemonic for order of operations.

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.

SIXTH GRADE OBJECTIVES:

1. Represent problems with equations and inequalities.
2. Solve for the unknown in an equation with one operation.
3. Solve word problems involving unknown quantities.
4. Evaluate expressions with exponents.

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.

SIXTH GRADE OBJECTIVES:

1. Recognize the right angle symbol.
2. Identify the vertex of an angle.
3. Identify the names of angles and plane shapes, using the correct symbol and vertices or point letters.
4. Identify whether an angle is a right angle, acute angle or obtuse angle.
5. Use angle measurements in a shape to find the measure of the final angle.
6. Measure angles to the nearest two degrees using a protractor.
7. Study the properties and identify isosceles, equilateral and scalene triangles.
8. Create and describe a triangle, then measure and label the 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.

SIXTH GRADE OBJECTIVES:

1. Measure the angles in congruent figures with a protractor.
2. Measure the lengths in congruent figures with a ruler in the metric and/or customary system.
3. Identify congruent parts of geometric figures.
4. Identify plane shapes using the correct term.
5. Identify the names of angles using the angle symbol and vertices.
6. Identify the names of plane shapes using the correct symbol and vertices.
7. Identify polyhedra with the correct term.
8. Describe the attributes of plane shapes and solids.
9. Identify and describe the attributes of a line and line segment.
10. Classify objects (plane shapes, solids, and lines) by attributes.
11. Compare differences between plane shapes and solids.
12. Identify shapes using the correct symbols and vertices.
13. Use the correct term to identify different polyhedras.
14. Categorize and describe the attributes of various plane shapes and solids.

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.

SIXTH GRADE OBJECTIVES:

1. Identify sides of equal length in a symmetric figure.
2. Identify complimentary and supplementary angles.
3. Use complimentary and supplementary angles to indirectly find the measure of angles.
4. Calculate perimeter and area of an irregular figure.
5. Students will learn to identify parallel lines, a transversal line and congruent angles in a given picture through hands-on activities.

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.

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.

SIXTH GRADE OBJECTIVES:

1. Understand and construct a bar graph.
2. Compute relative frequencies of events from given data.
3. Interpret and construct a circle graph.
4. Interpret and construct a histogram.

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.

SIXTH GRADE OBJECTIVES:

1. List all possible outcomes in a single event.
2. List all possible outcomes in a compound event.
3. Predict the most likely outcomes of an experiment.
4. Find the mean, median, mode and range of a set of scores.
5. Design and implement experiments to determine actual probabilities.
6. Gather data from student experiments.
7. Organize data in a data table or chart.
8. Communicate findings in a graph.

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.

SIXTH GRADE OBJECTIVES:

1. Compute the probabilities of events, as the ratio of successes to attempts, using experimental probability.
2. Create a probability tree to determine all possible outcomes in a compound event.
3. Compute the probabilities of events using a variety of tools.

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.

SIXTH GRADE OBJECTIVES:

1. Identify the basic principles of scientific research and experimentation.
2. Distinguish between observations and inferences.
3. Design and conduct an experiment.
4. Discuss cause/effect relationships between variables.
5. Recognize cause/effect relationships after observing related events.
6. Form an inference from observations.
7. Use observations and prior knowledge to predict an outcome.
8. Identify observations that support an inference.
9. Use observable data to make simple predictions.
10. Identify a trend in data.
11. Identify certain data as relevant.
12. Read and interpret information from a graph or chart when answering questions.
13. Follow a set of given instructions to complete a simple experiment.
14. Use scientific equipment.
15. Practice Lab safety.
16. Use science processing skills.

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.

SIXTH GRADE OBJECTIVES:

1. Recognize a real-life design problem and compare and contrast various solutions in a group situation.
2. Construct a three-dimensional design model.
3. Test and evaluate a design model based on classroom-generated criteria.
4. Recognize 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.

SIXTH GRADE OBJECTIVES:

1. Identify patterns as they appear in nature.
2. Construct a simple classification system.
3. Discuss the effect humans have on the environment.
4. Know how organisms depend on the non-living world.
5. Understand all life processes depend on water.
6. Understand biological diversity.
7. Understand how living organisms adapt to their environment.

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.

SIXTH GRADE OBJECTIVES:

1. Recognize cycles of change that occur in nature.
2. Know how the structures of living things are related to their functions.
3. Understand all living things depend on each other for survival.
4. Know all living things need a constant supply of energy and understand energy flow.
5. Understand the process and importance of photosynthesis.
6. Study local habitats.
7. Classify biotic and abiotic factors.
8. Understand how limiting factors and symbiotic relationships effect living things.

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.

SIXTH GRADE OBJECTIVES:

1. Use both Celsius and Fahrenheit systems to measure temperature.
2. Study the process of electricity.
3. Know magnetism is a basic force of nature.
4. Understand the relationship between electricity and magnetism.
5. Identify the different states of matter and understand their differences.
6. Identify common changes in matter as physical or chemical.
7. Identify the common forms of energy.
8. Understand uses of energy and conservation of energy.
9. Use circuits, magnets, insulators, conductors and compasses.

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.

SIXTH GRADE OBJECTIVES:

1. Know the differences between work, force, friction, momentum and acceleration.
2. Identify simple machines and understand how they are helpful in daily life.
3. Experiment with force meters.

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.

SIXTH GRADE OBJECTIVES:

1. Understand why the Earth is constantly changing, weathering, eroding, etc.
2. Know the effects of pollution in water, air, and on land.
3. Understand resources are found in many biomes.
4. Know basic land forms on Earth and their origin.
5. Understand the Earth's water cycle.
6. Study weathering and erosion.
7. Discuss volcanoes, earthquakes, avalanches and floods.
8. Learn the ocean touches all of our lives, even if we live far from its shoreline.
9. Understand rock layers are a history of Earth.
10. Understand the importance of the ozone layer.
11. Identify igneous, sedimentary and metamorphic rocks.
12. Discuss the geologic time scale.
13. Examine soils.
14. Study glaciers (types, formation and deposition)
15. Study aquatic environments.

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.

SIXTH GRADE OBJECTIVES:

1. Study landforms.
2. Compare and contrast planets.
3. Understand gravitational force.
4. Use longitude, latitude and different types of maps.

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.

SIXTH GRADE OBJECTIVES:

1. Follows directions and understand safety precautions during science activities.
2. Compare/contrast observations and experimental research done by others.
3. Recognize that scientific practices have changed over history.
4. Recognize that contemporary scientific issues are complex, controversial and changing.
5. Learn about and discuss current scientific events.
6. Identify the contributions of research scientists.

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.

SIXTH GRADE OBJECTIVES:

1. Develop the idea that each individual is able to effect the human environment and community.
2. Discuss reasons for protecting the water, air and land environments.
3. Discuss the impact that technology has had on the quality of our lives.
4. Recognize major contributions to science and technology.
5. Identify some benefits derived from modern technology.
6. Discuss career choices related to science.
7. Understand wise use of resources is important for all life on Earth.
8. Know causes of pollution and ways of conservation.
9. Understand how electrical devices and computers make our lives easier.

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.

SIXTH GRADE OBJECTIVES:

1. Know the levels and functions of each level of government.
2. Identify the basic similarities and differences between the Illinois and United States Constitutions.
3. Know the leadership positions for each level of government.
4. Name the courts and judicial officials established to operate within the local, state and federal levels.
5. Understand differences in government through time: direct democracy, feudalism, monarchy, representative democracy and dictatorship.

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.

SIXTH GRADE OBJECTIVES:

1. Identify roles and responsibilities of top Illinois State Government officials.
2. Understand the concept and structure of local government.
4. Understand the differences between the Federal and State governments.

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.

SIXTH GRADE OBJECTIVES:

1. Understand the purpose of political parties and their role in the United States and Illinois.
2. Know current major candidates running for national and local election by party and office sought.
3. Know the voting age.
4. Understand the voting process.
5. Understand the purpose of a general election and primary election.

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,

SIXTH GRADE OBJECTIVES:

1. Describe an historical event or period in which political parties influenced public policy.
2. Understand the purpose of political parties and their role in Illinois.
3. 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 E: Understand United States foreign policy as it relates to other nations and international issues.

SIXTH GRADE OBJECTIVES:

1. Using current political events, compare the United States response/reaction to other countries responses and reactions.

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.

SIXTH GRADE OBJECTIVES:

1. Compare the basics of the Illinois Constitution with the United States Constitution.

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.

SIXTH GRADE OBJECTIVES:

1. Discuss our modern day economic system and reasons for changes that occur within this system.
2. Discuss the producer-consumer relationship.
3. Discuss the concepts of competition between businesses.
4. Discuss productivity in the workplace and how it improves through technology.
5. Define and understand market economy.
6. Understand capitalism, socialism and communism.

ECONOMICS

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

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

SIXTH GRADE OBJECTIVES:

1. Understand the roles of consumers and producers.
2. Explain that prices are determined through the buying and selling decisions made by buyers and sellers.
3. Discuss supply and demand.

ECONOMICS

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

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

SIXTH GRADE OBJECTIVES:

1. Define the law of supply and demand.
2. Explain how price is an incentive to buyers and sellers.
3. Discuss effects of price changes.
4. Identify positive (rewards) and negative (penalties) which effect economic behavior.

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.

SIXTH GRADE OBJECTIVES:

1. Define imports and exports.
2. Identify current technologies that did not exist in the past.
3. Discuss examples of economic specialization.

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.

SIXTH GRADE OBJECTIVES:

1. Discuss the difference between income tax, sales tax and property tax and why they fluctuate.
2. Identify goods and services provided by various levels of government.

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.

SIXTH GRADE OBJECTIVES:

1. Understand how various sources of information can be useful for defining, describing, classifying and comparing data.
2. Distinguish between the important and insignificant details contained in a historical Source.

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.

SIXTH GRADE OBJECTIVES:

1. Understand the purpose of political parties and their role in the United States and Illinois.
2. Compare/contrast at least two ancient political systems.
3. Construct a periodization chart of political events for ancient world 1000 BC – 1500 and 1500 – present.
4. Identify specific Illinois political events and their effect in 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.

SIXTH GRADE OBJECTIVES:

1. Identify the natural resources of the world's regions and explain how they contribute to the region's economy.
2. Discuss how economics have changed from ancient to modern times.
3. Recognize how technological advancements led, and continue to lead, to changes in economic systems.

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.

SIXTH GRADE OBJECTIVES:

1. Identify important events in Illinois history.
2. Discuss the importance of great leaders in Illinois history – Abe Lincoln, Shadrach Bond, etc.
3. Describe social changes that resulted from cultural exchanges between and among different societies.
4. Describe turning points in world social history (religious).

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.

SIXTH GRADE OBJECTIVES:

1. Describe how the competition between or among different groups of people for the same land effected the environment.
2. Assess effects of a significant invention on physical and cultural environment (plow, autos, power plants, wheel, canals, railroads).

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.

SIXTH GRADE OBJECTIVES:

1. Identify and locate the continents and oceans of the world.
2. Identify land form features such as mountains, plains, plateaus, peninsulas, islands, bays, gulfs and seas.
3. Identify the major physical and climatic features of each region of North America including major land forms and waterways.
4. Understand the meaning of longitude and latitude and be able to find locations on a map or globe using those terms.
5. Demonstrate an understanding of map skills including using scales, keys, grids, symbols, legends, etc.
6. Know the major physical features of Illinois.
7. Identify hemispheres of the Earth and know the continents within the hemispheres.
8. Locate important rivers of the world – Nile, Rio Grande, Yello, Tigris/Euphrates, etc.

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.

SIXTH GRADE OBJECTIVES:

1. Identify the major physical and climatic features of each region of North America including major land forms and waterways.
2. Identify resources (renewable/non-renewable) of Illinois.
3. Discuss possible solutions to solve resource problems of the world.

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.

SIXTH GRADE OBJECTIVES:

1. Identify the natural resources of the world's regions and explain how they contribute to the region's economy.
2. Identify important rivers of the world and discuss the reasons why civilizations thrived around these areas.
3. Discuss the different types of living organisms that reside on the different continents and why they reside in only certain geographical areas.
4. Understand the primary use of Illinois' land.

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.

SIXTH GRADE OBJECTIVES:

1. Explain the reasons for exploration and identify the explorers and the regions they discovered/explored.
2. With the use of a map, discuss the movement of people and the changes that occurred during the 18th and 19th centuries.
3. Explain how interactions of geographic factors have shaped present conditions.

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.

SIXTH GRADE OBJECTIVES:

1. Develop an understanding and appreciation for different world cultures.
2. Differentiate between the diverse customs, traditions, and cultures that have shaped world history, emphasizing the United States and Illinois.
3. Identify world religions and their major practices.
4. Recognize and understand the dignity, worth and differences of others, including those who belong to a different cultural, religious, racial or ethnic group.
5. Discuss why different countries speak different languages.
6. Discuss ancestry.
7. Know the difference between anthropologists and archaeologists.
8. Discuss artifacts and how they are important links to the past.

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.

SIXTH GRADE OBJECTIVES:

1. Differentiate between the diverse customs, traditions, and cultures that have shaped world history, emphasizing the United States and Illinois.
2. Recognize the causes and effects of racism and prejudice and their impact upon history.
3. Identify world religions and their major practices.
4. Recognize and understand the dignity, worth and differences of others, including those who belong to a different cultural, religious, racial or ethnic group.
5. Understand the concept of minorities and identify important minority groups and leaders.
6. Understand that individuals worldwide all have the same basic needs.
7. Discuss the impact of mass communication on society, and discuss examples of daily communication.

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.

SIXTH GRADE OBJECTIVES:

1. Identify world religions and their major practices.
2. Recognize and understand the dignity, worth and differences of others including those who belong to a different cultural, religious, racial or ethnic group.
3. Discuss the similarities and differences of various ancient civilization social systems.

