

STANDARDS

Oklahoma Standards Checklist



LEVEL SIXTH GRADE



6th
Grade
ELA

Oklahoma Academic Standards for ELA

Standard I: Speaking & Listening

Listening

Standard	Date	Date	Notes
6.I.L.1 Students will actively listen using agreed-upon discussion rules, recognizing verbal and nonverbal cues while maintaining social awareness and responding accordingly.			
6.I.L.2 Students will actively listen and interpret a speaker's verbal messages and ask questions to clarify the speaker's purpose.			

Speaking

Standard	Date	Date	Notes
6.I.S.1 Students will work effectively and respectfully in diverse groups by sharing responsibility for collaborative work and recognizing individual contributions.			
6.I.S.2 Students will engage in collaborative discussions about what they are reading and writing, expressing their own ideas clearly while building on the ideas of others in pairs, diverse groups, and whole-class settings.			
6.I.S.3 Students will give formal and informal presentations in a group or individually, organizing information and determining the purpose, content, and form to suit the audience.			

Standard 2: Reading & Writing Process

Reading

Standard	Date	Date	Notes
6.2.R.1 Students will summarize alphabetic and/or multimodal texts, including main idea, to demonstrate comprehension.			
6.2.R.2 Students will analyze details in fiction, poetry, and nonfiction texts to distinguish genres.			
6.2.R.3 Students will paraphrase a paragraph in their own words to demonstrate comprehension.			

Writing

Standard	Date	Date	Notes
6.2.W.1 Students will routinely and recursively prewrite (e.g., develop ideas and plan).			
6.2.W.2 Students will routinely and recursively organize and develop ideas to compose a first draft.			
6.2.W.3 Students will routinely and recursively revise drafts for intended purpose, audience, and organization (e.g., logical order and transitions).			
6.2.W.4 Students will routinely and recursively edit for correct grammar, usage, and mechanics, using various resources.			
6.2.W.5 Students will routinely and recursively publish final drafts for an authentic audience (e.g., publishing digitally, performing, entering contests).			

Standard 3: Critical Reading & Writing

Reading

Standard	Date	Date	Notes
6.3.R.1 Students will compare and contrast stated or implied purposes of authors writing on the same topic from a variety of historical, cultural, ethnic, and global perspectives.			
6.3.R.2 Students will evaluate how perspective (e.g., historical, cultural, ethnic, and global) affects a variety of literary and informational texts.			
6.3.R.3 Students will analyze how literary elements contribute to the meaning of a literary text: <ul style="list-style-type: none"> ● setting ● plot ● characters (i.e., protagonist, antagonist) ● characterization ● conflict (i.e., internal, external) ● point of view (i.e., third person limited and omniscient) 			
6.3.R.4 Students will analyze how literary devices contribute to the meaning of a text: <ul style="list-style-type: none"> ● figurative language (i.e., simile, metaphor, personification, hyperbole, imagery, symbolism, idiom) ● sound devices (i.e., onomatopoeia, alliteration) 			
6.3.R.5 Students will identify literary elements and devices that impact a text's theme.			

Standard 3: Critical Reading and Writing

Reading

Standard	Date	Date	Notes
6.3.R.6 Students will categorize facts included in an argument as for or against an issue.			
6.3.R.7 Students will analyze how informational text structures support the author's purpose: <ul style="list-style-type: none"> • compare/contrast • cause/effect • problem/solution • description • sequential 			
6.3.R.8 Students will analyze one or more ideas from a text, providing textual evidence to support their inferences.			

Writing

Standard	Date	Date	Notes
6.3.W.1 Students will compose narratives reflecting real or imagined experiences that: <ul style="list-style-type: none"> • include plots involving characters resolving conflicts • unfold in chronological sequence • include a narrator, precise language, sensory details, and dialogue to enhance the narrative • use sentence variety to create clarity • emulate literary elements and/or literary devices from mentor texts 			
6.3.W.2 Students will compose informative essays or reports that: <ul style="list-style-type: none"> • objectively introduce and develop topics • incorporate evidence (e.g., specific facts, details, charts and graphs, data) • maintain an organized structure • use sentence variety and word choice to create clarity • emulate literary devices from mentor texts 			

Standard 3: Critical Reading and Writing

Writing

Standard	Date	Date	Notes
<p>6.3.W.3 Students will compose argumentative essays that:</p> <ul style="list-style-type: none"> • introduce precise claims • organize claims and evidence in a logical sequence • provide relevant evidence to develop arguments, using credible sources • use sentence variety and word choice to create clarity 			

Standard 4: Vocabulary

Reading

Standard	Date	Date	Notes
6.4.R.1 Students will analyze the relationships among synonyms, antonyms, and analogies.			
6.4.R.2 Students will use context clues, connotation, and denotation to determine or clarify the meaning of words or distinguish among multiple-meaning words.			
6.4.R.3 Students will use word parts (e.g., affixes, Latin roots, stems) to define and determine the meaning of increasingly complex words.			
6.4.R.4 Students will use a dictionary, glossary, or thesaurus to determine or clarify the meanings, syllabication, pronunciation, synonyms, antonyms, and parts of speech of words.			

Standard 4: Vocabulary

Writing

Standard	Date	Date	Notes
6.4.W.1 Students will use precise, grade-level vocabulary in writing to clearly communicate ideas.			
6.4.W.2 Students will select language in writing to create a specific effect according to purpose.			

Standard 5: Language

Reading

Standard	Date	Date	Notes
6.5.R.1 Students will recognize simple, compound, and complex sentences.			
6.5.R.2 Students will recognize and explain the impact on meaning of parts of speech in sentences: <ul style="list-style-type: none">● nouns● verb tense to signify various times, sequences, conditions, and states● subject and verb agreement● adjectives● prepositional phrases● reflexive pronouns and their antecedents● singular <i>they / them / their</i>● subordinating conjunctions● adverbs● interjections			

Standard 5: Language

Writing

Standard	Date	Date	Notes
6.5.W.1 Students will compose simple, compound, and complex sentences to add clarity and variety in their writing.			
6.5.W.2 Students will add clarity and variety to their writing with nouns, verbs, adjectives, prepositions, adverbs, and pronouns.			
6.5.W.3 Students will recognize and correct the following: run-ons, errors in subject and verb agreement, inappropriate shifts in verb tense, and inappropriate shifts in pronoun number and person.			
6.5.W.4 Students will write using correct capitalization mechanics. <i>Grade of Mastery: 4</i>			
6.5.W.5 Students will write using correct end mark mechanics. <i>Grade of Mastery: 4</i>			
6.5.W.6 Students will write using correct apostrophe mechanics. <i>Grade of Mastery: 5</i>			
6.5.W.7 Students will use commas to separate an introductory element from the rest of the sentence and to indicate direct address (e.g., Where are you, Sam?).			
6.5.W.8 Students will use a colon to introduce a quotation from a source (e.g., According to <i>National Geographic</i> , meerkat homes are quite comfortable: "Each burrow is an extensive tunnel-and-room system that remains cool even under the broiling African sun.").			
6.5.W.9 Students will use quotation marks to indicate dialogue, quoted material, and titles of works.			
6.5.W.10 Students will use underlining or italics to indicate titles of works.			
6.5.W.11 Students will use a semicolon to punctuate compound sentences.			

Standard 6: Research

Reading

Standard	Date	Date	Notes
6.6.R.1 Students will use their own viable research questions to gather information about a topic.			
6.6.R.2 Students will record and organize information from various primary and secondary sources.			
6.6.R.3 Students will determine the relevance and reliability of the information gathered.			

Writing

Standard	Date	Date	Notes
6.6.W.1 Students will formulate and refine a viable research question.			
6.6.W.2 Students will develop a clear, concise thesis statement.			
6.6.W.3 Students will quote findings following a consistent citation style (e.g., MLA, APA) to avoid plagiarism.			
6.6.W.4 Students will create research papers and/or projects independently for shorter timeframes (e.g., a single sitting or a day or two).			

Standard 7: Multimodal Literacies

Reading & Writing

Standard	Date	Date	Notes
6.7.R Students will compare and contrast the effectiveness of a variety of alphabetic, aural, visual, spatial, and/or gestural content from various perspectives.			
6.7.W Students will create multimodal content (i.e., alphabetic, aural, visual, gestural and/or spatial) that effectively communicates ideas for an intended audience.			

Standard 8: Independent Reading & Writing

Standard	Date	Date	Notes
6.8.R Students will read self-selected texts independently and for various lengths of time, choosing genres to suit and expand their personal preferences and purposes.			
6.8.W Students will write independently using print, cursive, and/or typing for various lengths of time, choosing modes and genres to suit their audience and purpose.			

6th Grade Math

Oklahoma Academic Standards for Math

Standards: Number and Operations

Standard	Date	Date	Notes
6.N.I Read, write, and represent rational numbers expressed as integers, fractions, decimals, percents, and ratios; use these representations in real-world and mathematical situations.			
6.N.I.I Use manipulatives and models (e.g., number lines) to determine positive and negative numbers and their contexts, identify opposites, and explain the meaning of 0 (zero) in a variety of situations.			
6.N.I.2 Compare and order positive rational numbers, represented in various forms, or integers using the symbols " $<$ ", " $>$ ", and " $=$ ".			
6.N.I.3 Explain that a percent represents parts "out of 100" and ratios "to 100."			
6.N.I.4 Determine equivalencies among fractions, mixed numbers, decimals, and percents.			

Standards: Number and Operations 2

Standard	Date	Date	Notes
6.N.2 Read, write, and model whole number and integer operations to solve problems.			
6.N.2.1 Estimate solutions for integer addition and subtraction of problems in order to assess the reasonableness of results.			
6.N.2.2 Illustrate addition and subtraction of integers using a variety of representations.			
6.N.2.3 Add and subtract integers in a variety of situations; use efficient and generalizable procedures including but not limited to standard algorithms.			
6.N.2.4 Identify and represent patterns with whole-number exponents and perfect squares. Evaluate powers with whole-number bases and exponents.			
6.N.2.5 Factor whole numbers and express prime and composite numbers as a product of prime factors with exponents.			
6.N.2.6 Determine the greatest common factors and least common multiples. Use common factors and multiples to calculate with fractions, find equivalent fractions, and express the sum of two-digit numbers with a common factor using the distributive property.			

Standards: Number and Operations 3

Standard	Date	Date	Notes
6.N.3 Explain and use the concept of ratio and its relationship to other rational numbers and to the multiplication and division of whole numbers. Use ratios to solve problems.			
6.N.3.1 Identify and use ratios to compare and relate quantities in multiple ways. Recognize that multiplicative comparison and additive comparison are different.			
6.N.3.2 Determine the unit rate for ratios.			
6.N.3.3 Apply the relationship between ratios, equivalent fractions, unit rates, and percents to solve problems in various contexts.			

Standards: Number and Operations 4

Standard	Date	Date	Notes
6.N.4 Multiply and divide decimals, fractions, and mixed numbers; solve real world and mathematical problems with rational numbers.			
6.N.4.1 Estimate solutions to problems with whole numbers, decimals, fractions, and mixed numbers, and use the estimates to assess the reasonableness of results in the context of the problem.			
6.N.4.2 Illustrate multiplication and division of fractions and decimals to show connections to fractions, whole number multiplication, and inverse relationships.			
6.N.4.3 Multiply and divide fractions and decimals using efficient and generalizable procedures.			

Standards: Number and Operations 4

Standard	Date	Date	Notes
6.N.4.4 Use mathematical modeling to solve and interpret problems including money, measurement, geometry, and data requiring arithmetic with decimals, fractions and mixed numbers.			

Standards: Algebraic Reasoning & Algebra I

Standard	Date	Date	Notes
6.A.1 Recognize and represent relationships between varying quantities; translate from one representation to another; use patterns, tables, graphs, and rules to model and solve mathematical problems.			
6.A.1.1 Plot integer- and rational-valued (limited to halves and fourths) ordered-pairs as coordinates in all four quadrants and recognize the reflective relationships among coordinates that differ only by their signs.			
6.A.1.2 Represent relationships between two varying positive quantities involving no more than two operations with rules, graphs, and tables; translate between any two of these representations.			
6.A.1.3 Use and evaluate variables in expressions, equations, and inequalities that arise from various contexts, including determining when or if, for a given value of the variable, an equation or inequality involving a variable is true or false.			

Standards: Algebraic Reasoning & Algebra 2

Standard	Date	Date	Notes
6.A.2 Use properties of arithmetic to generate equivalent numerical expressions and evaluate expressions involving positive rational numbers.			
6.A.2.1 Generate equivalent expressions and evaluate expressions involving positive rational numbers by applying the commutative, associative, and distributive properties and order of operations to model and solve mathematical problems.			

Standards: Algebraic Reasoning & Algebra 3

Standard	Date	Date	Notes
6.A.3 Use equations and inequalities to model and solve mathematical problems and use the idea of maintaining equality to solve equations. Interpret solutions in the original context.			
6.A.3.1 Model mathematical situations using expressions, equations and inequalities involving variables and rational numbers.			
6.A.3.2 Use number sense and properties of operations and equality to model and solve mathematical problems involving equations in the form $x + p = q$ and $px = q$, where p and q are nonnegative rational numbers. Graph the solution on a number line, interpret the solution in the original context, and assess the reasonableness of the solution.			

Standards: Geometry & Measurement 1

Standard	Date	Date	Notes
6.GM.I Use translations, reflections, and rotations to establish congruence and understand symmetry (not on a coordinate plane).			
6.GM.II Predict, describe, and apply translations (slides), reflections (flips), and rotations (turns) to a two-dimensional figure.			
6.GM.I.2 Recognize that translations, reflections, and rotations preserve congruence and use them to show that two figures are congruent.			
6.GM.I.3 Identify and describe the line(s) of symmetry in two-dimensional shapes.			

Standards: Geometry & Measurement 2

Standard	Date	Date	Notes
6.GM.2 Use mathematical modeling to calculate the area of squares, parallelograms, and triangles to solve problems.			
6.GM.2.1 Develop and use formulas for the area of squares and parallelograms using a variety of methods including but not limited to the standard algorithms and finding unknown measures.			
6.GM.2.2 Develop and use formulas to determine the area of triangles and find unknown measures.			
6.GM.2.3 Find the area of right triangles, other triangles, special quadrilaterals, and polygons that can be decomposed into triangles and other shapes.			

Standards: Geometry & Measurement 3

Standard	Date	Date	Notes
6.GM.3 Understand and use relationships between angles in geometric figures.			
6.GM.3.1 Solve problems using the relationships between the angles (vertical, complementary, and supplementary) formed by intersecting lines.			
6.GM.3.2 Develop and use the fact that the sum of the interior angles of a triangle is 180° to determine missing angle measures in a triangle.			

Standards: Geometry & Measurement 4

Standard	Date	Date	Notes
6.GM.4 Choose appropriate units of measurement and use ratios to convert within measurement systems to model and solve real-world and mathematical problems.			
6.GM.4.1 Estimate weights and capacities using benchmarks in customary and metric measurement systems with appropriate units.			
6.GM.4.2 Solve problems that require the conversion of lengths within the same measurement systems using appropriate units.			

Standards: Data & Probability 1

Standard	Date	Date	Notes
6.D.1 Interpret and analyze data. 6.D.1.1 Interpret the mean, median, and mode for a set of data.			
6.D.1.2 Explain and justify which measure of center (mean, median, or mode) would provide the most descriptive information for a given set of data.			

Standards: Data & Probability 2

Standard	Date	Date	Notes
6.D.2 Use probability to model and solve mathematical problems; represent probabilities using fractions and decimals.			
6.D.2.1 Represent possible outcomes using a probability continuum from impossible to certain.			
6.D.2.2 Determine the sample space for a given experiment and determine which members of the sample space are related to certain events. Sample space may be determined by the use of tree diagrams, tables or pictorial representations.			
6.D.2.3 Demonstrate simple experiments in which the probabilities are known and compare the resulting relative frequencies with the known probabilities, recognizing that there may be differences between the two results.			

6th Grade Science

Oklahoma Academic Standards for Science

Standards: Matter & Its Interactions

Standard	Date	Date	Notes
6.PSI-4 Develop a model that predicts and describes changes in particle motion, temperature, and state of a pure substance when thermal energy is added or removed.			

Standards: Energy

Standard	Date	Date	Notes
6-PS3-3 Apply scientific principles to design, construct, and test a device that either minimizes or maximizes thermal energy transfer.			
6-PS3-4 Plan an investigation to determine the relationships among the energy transferred, the type of matter, the mass, and the change in the average kinetic energy of the particles as measured by the temperature of the sample.			

Standards: Waves & Their Application in Technologies for Information Transfer

Standard	Date	Date	Notes
6-PS4.2 Develop and use a model to describe that waves are reflected, absorbed, or transmitted through various materials.			

Standards: From Molecules to Organisms:

Structure and Process

Standard	Date	Date	Notes
6-LS1-1 Conduct an investigation to provide evidence that living things are made of cells; either one cell or many different numbers and types of cells.			
6-LS1-2 Develop and use a model to describe the function of a cell as a whole and ways parts of cells contribute to the function.			
6-LS1-3 Use argument supported by evidence for how the body is a system of interacting subsystems composed of groups of cells.			
6-LS1.8 Gather and synthesize information that sensory receptors respond to stimuli by sending messages to the brain for immediate behavior or storage as memories.			

Standards: Earth's Place in the Universe

Standard	Date	Date	Notes
6-ESS1.4 Construct a scientific explanation based on evidence from rock strata for how the geologic time scale is used to organize Earth's geologic history.			

Standards: Earth's Systems

Standard	Date	Date	Notes
6-ESS2.1 Develop a model to describe the cycling of Earth's materials and the flow of energy that drives these processes within and among Earth's systems.			
6-ESS2.2 Construct an explanation based on evidence for how geoscience processes have changed Earth's surface at varying time and spatial scales.			
6-ESS2.3 Analyze and interpret data on the patterns of distribution of fossils and rocks, continental shapes, and seafloor structures to provide evidence of the past plate motions.			
6-ESS2.4 Develop a model to describe the cycling of water through Earth's systems driven by energy from the sun and the force of gravity.			
6-ESS2.5 Collect data to provide evidence for how the motions and complex interactions of air masses result in changes in weather conditions.			
6-ESS2.6 Develop and use a model to describe how unequal heating and rotation of the Earth causes patterns of atmospheric and oceanic circulation that determine regional climates.			

Standards: Earth & Human Activity

Standard	Date	Date	Notes
6-ESS3.2 Analyze and interpret data on natural hazards to forecast future catastrophic events and inform the development of technologies to mitigate their effects.			



Oklahoma Academic Standards for Social Studies

Standard I: Geography I

The student will analyze data from a geographic perspective using the skills and tools of geography.

Standard	Date	Date	Notes
6.SS.I.1 Apply geographic information to support analysis from primary and secondary sources located in a variety of texts.			
6.SS.I.2 Describe how various map projections distort the surface of the earth; apply the concepts of scale, distance, direction, relative location, absolute location, and latitude and longitude.			
6.SS.I.3 Integrate visual information, draw conclusions, and make predictions from geographic data and analyze spatial distribution and patterns by interpreting that data as displayed on geographic tools.			
6.SS.I.4 Integrate visual information and develop the skill of mental mapping of the political and physical features of Earth's surface in order to organize information about people, places, and environments.			
6.SS.I.5 Describe and analyze the role of geographic factors on current events and issues.			

Standard 2: Geography 2

The student will analyze the physical systems of the major regions of the Western Hemisphere.

Standard	Date	Date	Notes
6.SS.2.1 Use visual information to identify and describe on a physical map the landforms, bodies of water, climate, and vegetation zones that are important to each region.			
6.SS.2.2 Explain how the processes and factors of latitude, elevation, Earth-Sun relationships, prevailing winds, and proximity to bodies of water influence climate.			
6.SS.2.3 Describe the predominant natural resources found in each region.			
6.SS.2.4 Describe the relationship and summarize the impact of the distribution of major renewable and nonrenewable resources on each region.			

Standard 3: Geography 3

The student will identify the characteristics, distribution, and demographic patterns of human populations and systems of the Western Hemisphere.

Standard	Date	Date	Notes
6.SS.3.1 Identify on a political map the major countries and population centers of each region.			
6.SS.3.2 Identify and describe cultural traits of language, ethnic heritage, religion, and traditions practiced among peoples.			
6.SS.3.3 Analyze the impact of geography on population distribution, growth, and change, applying geographic concepts of population density, the availability of resources.			
6.SS.3.4 Describe how the push and pull factors of migration have affected settlement patterns and the human characteristics of places over time.			
6.SS.3.5 Compare the systems of government, including representative governments (democracy, republic, constitutional monarchy) and authoritarian systems (dictatorship, absolute monarchy).			
6.SS.3.6 Identify the role of the citizen in the selection of government officials and lawmaking; compare individual liberties under different forms of government.			

Standard 3: Geography 3

The student will identify the characteristics, distribution, and demographic patterns of human populations and systems of the Western Hemisphere.

Standard	Date	Date	Notes
6.SS.3.7 Identify and explain topics related to indigenous sovereignty.			
6.S.3.8 Evaluate how the three levels of economic activities (primary, secondary, tertiary) contribute to the development of a nation and region.			
6.SS.3.9 Describe benefits and limitations of the traditional, market, and command economic systems, including how government policies affect economic activities and trade relationships.			
6.SS.3.10 Identify the common characteristics of developed and developing countries, including the impact of education and technology; analyze data used by geographers such as literacy rate, life expectancy, per capita income, and infant mortality.			

Standard 4: Geography 4

The student will analyze the interactions of humans and their environment in the Western Hemisphere.

Standard	Date	Date	Notes
6.SS.4.1 Describe the commercial agriculture and industrial regions that support human development.			
6.SS.4.2 Evaluate the effects of human modification on the natural environment through transformation caused by subsistence and commercial agriculture, industry, demand for energy, and urbanization.			
6.SS.4.3 Analyze the impact of climate and natural disasters on human populations, including forced migration, scarcity of consumer goods, economic activities, and loss of life.			
6.SS.4.4 Analyze environmental challenges of each region.			
6.SS.4.5 Evaluate the role of ecotourism in creating environmental awareness of resources, climate, cultures, and wildlife.			
6.SS.4.6 Describe the role of citizens as responsible stewards of natural resources and the environment.			

Standard 5: Geography 5

The student will compare common physical and human characteristics of regions which create identity or uniqueness and influence people's perceptions of the Western Hemisphere.

Standard	Date	Date	Notes
6.SS.5.1 Define the concept of region and identify the major political, physical, cultural, and economic regions.			
6.SS.5.2 Explain how cultural diffusion, both voluntary and forced, impacts societies of a region.			
6.SS.5.3 Describe patterns of global economic interdependence and trade, including the concepts of balance of trade and supply and demand; compare measures of economic growth including Gross Domestic Product (GDP) and Gross National Product (GNP).			
6.SS.5.4 Analyze global interdependence which explains the outsourcing of technological and manufacturing jobs to developing regions.			
6.SS.5.5 Analyze reasons for conflict and cooperation among and between groups, societies, nations, and regions.			



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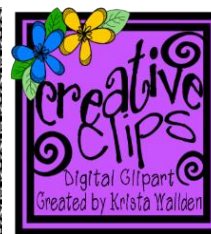
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