STANDARDS

Oklahoma Standards Checklist

hello Seventh GRADE

7th Grade ELA

Oklahoma Academic Standards for ELA

Standard 1: Listening & Speaking

Listening

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

Speaking

Standard	Date	Date	Notes
7.1.S.1 Students will work effectively and respectfully in diverse groups by showing willingness to make necessary compromises to accomplish a goal, sharing responsibility for collaborative work, and recognizing individual contributions.			
7.1.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.			
7.1.S.3 Students will give formal and informal presentations in a group or individually, providing evidence to support a main idea while determining the purpose, content, and form to suit the audience.			

Standard 2: Reading & Writing Process

Reading

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

Writing

Standard	Date	Date	Notes
7.2.W.1 Students will routinely and recursively prewrite (e.g., develop ideas and plan).			
7.2.W.2 Students will routinely and recursively organize and develop ideas to compose a first draft.			
7.2.W.3 Students will routinely and recursively revise drafts for intended purpose, audience, organization, and coherence (e.g., consistent point of view).			
7.2.W.4 Students will routinely and recursively edit for correct grammar, usage, and mechanics, using various resources.			
7.2.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
7.3.R.1 Students will read works written on the same topic from a variety of historical, cultural, ethnic, and global perspectives and compare the methods the authors use to achieve their purposes.			
7.3.R.2 Students will evaluate how perspective (e.g., historical, cultural, ethnic, and global) affects a variety of literary and informational texts.			
7.3.R.3 Students will analyze literary elements to support an interpretation of a text: • setting • plot • characters (i.e., protagonist, antagonist) • characterization • conflict (i.e., internal, external) • point of view (i.e., third person limited and omniscient and second person)			
7.3.R.4 Students will analyze literary devices to support an interpretation of a text: • figurative language (i.e., simile, metaphor, personification, hyperbole, imagery, symbolism, idiom) • sound devices (i.e., onomatopoeia, alliteration) • verbal irony			
7.3.R.5 Students will identify literary elements and devices that impact a text's theme and mood.			
7.3.R.6 Students will distinguish factual claims from opinions.			
7.3.R.7 Students will analyze how informational text structures support the author's purpose: • compare/contrast • cause/effect • problem/solution • description • sequential			
7.3.R.8 Students will analyze multiple ideas from a text, providing textual evidence to support their inferences.			

Standard 3: Critical Reading & Writing

Writing

Standard	Date	Date	Notes
7.3.W.1 Students will compose narratives reflecting real or imagined experiences that: • include plots involving complex characters resolving conflicts • unfold in chronological or surprising sequence (e.g., foreshadowing) • include a narrator, precise language, sensory details, dialogue, and thoughts to enhance the narrative • use sentence variety to create clarity • emulate literary elements and/or literary devices from mentor texts			
7.3.W.2 Students will compose informative essays or reports that: • 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 • establish and maintain a formal style • emulate literary devices from mentor texts			
7.3.W.3 Students will compose argumentative essays that: • 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 • establish and maintain a formal style			

Standard 4: Vocabulary

Reading

Standard	Date	Date	Notes
7.4.R.1 Students will analyze the relationships among synonyms, antonyms, and analogies.			
7.4.R.2 Students will use context clues, connotation, and denotation to determine or clarify the meaning of words or distinguish among multiple-meaning words.			
7.4.R.3 Students will use word parts (e.g., affixes, Greek roots, stems) to define and determine the meaning of increasingly complex words.			
7.4.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.			

Writing

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

Standard 5: Language

Reading

Standard	Date	Date	Notes
7.5.R.1 Students will recognize simple, compound, complex, and compound -complex sentences and explain their effects.			
7.5.R.2 Students will recognize and explain the impact on meaning of parts of speech in sentences: • nouns • gerunds • subject and verb agreement • cumulative and coordinate adjectives • demonstrative pronouns • vague pronouns (i.e., ones with unclear or ambiguous antecedents) • singular *they / them / their* • correlative conjunctions • adverbs • interjections			

Writing

Standard	Date	Date	Notes
7.5.W.1 Students will compose simple, compound, complex, and compound -complex sentences to add clarity and variety in their writing.			
7.5.W.2 Students will add clarity and variety to their writing with nouns, verbs, adjectives, prepositions, adverbs, and pronouns.			

Standard 5: Language

Writing

Standard	Date	Date	Notes
7.5.W.3 Students will recognize and correct the following: run-ons, errors in subject and verb agreement, inappropriate shifts in verb tense, and vague pronouns (i.e., ones with unclear or ambiguous antecedents).			
7.5.W.4 Students will write using correct capitalization mechanics. *Grade of Mastery: 4*			
7.5.W.5 Students will write using correct end mark mechanics. *Grade of Mastery: 4*			
7.5.W.6 Students will write using correct apostrophe mechanics. *Grade of Mastery: 5*			
7.5.W.7 Students will use commas to separate words or phrases in a series.			
7.5.W.8 Students will use a colon to introduce a quotation from a source.			
7.5.W.9 Students will use quotation marks to indicate dialogue, quoted material, and titles of works.			
7.5.W.10 Students will use underlining or italics to indicate titles of works, thoughts in narratives, and words in a foreign language.			
7.5.W.11 Students will use a semicolon to punctuate compound and compound-complex sentences.			

Standard 6: Research

Reading

Standard	Date	Date	Notes
7.6.R.1 Students will find and comprehend information (e.g., claims evidence) about a topic, using their own viable research questions.			
7.6.R.2 Students will find, record, and organize information from a variety of primary and secondary sources, following ethical and legal guidelines.			
7.6.R.3 Students will determine the relevance, reliability, and validity of the information gathered.			

Writing

Standard	Date	Date	Notes
7.6.W.1 Students will formulate and refine a viable research question.			
7.6.W.2 Students will develop a clear, concise thesis statement.			
7.6.W.3 Students will quote and summarize findings following a consistent citation style (e.g., MLA, APA) to avoid plagiarism.			
7.6.W.4 Students will create research papers and/or projects independently for shorter timeframes (e.g., two or three days) and over extended periods of time (e.g., one week).			

Standard 7: Multimodal Literacies
Reading & Writing

Standard	Date	Date	Notes
7.7.R Students will compare and contrast the effectiveness of techniques used in a variety of alphabetic, aural, visual, spatial, and/or gestural content from various perspectives.			
7.7.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
7.8.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.			
7.8.W Students will write independently using print, cursive, and/or typing for various lengths of time, choosing and combining modes and genres to suit their audience and purpose.			

7th Grade Math

Oklahoma Academic Standards for Math

Standards: Number and Operations

Standard	Date	Date	Notes
7.N.1 Read, write, represent, and compare rational numbers, expressed as integers, fractions, and decimals. Explain and apply the concept of absolute value.			
7.N.1.1 Compare and order rational numbers expressed in various forms using the symbols "<", ">", and "=".			
7.N.1.2 Recognize and generate equivalent representations of rational numbers, including equivalent fractions.			
7.N.1.3 Explain the relationship between the absolute value of a rational number and the distance of that number from zero on a number line. Use the symbol for absolute value. Apply the concept of absolute value to model and solve problems.			

Standards: Number and Operations 2

Standard	Date	Date	Notes
7.N.2 Calculate with rational numbers, with and without positive integer exponents, to model and solve mathematical problems.			
7.N.2.1 Estimate solutions to multiplication and division of integers in order to assess the reasonableness of results.			

Standards: Number and Operations 2

Standard	Date	Date	Notes
7.N.2.2 Illustrate multiplication and division of integers using a variety of representations.			
7.N.2.3 Multiply and divide integers in a variety of situations; use efficient and generalizable procedures, including standard algorithms.			
7.N.2.4 Raise rational numbers (integers, fractions, and decimals) to positive integer exponents.			
7.N.2.5 Model and solve problems using rational numbers involving addition, subtraction, multiplication, division, and positive integer exponents.			

Standards: Algebraic Reasoning & Algebra I

Standard	Date	Date	Notes
7.A.1 Explain the concept of proportionality in mathematical models and situations and distinguish between proportional and non-proportional relationships.			
7.A.1.1 Identify a relationship between two varying quantities, x and y, as proportional if it can be expressed in the form % & = k proportional relationships from non-proportional relationships.			
7.A.1.2 Recognize that the graph of a proportional relationship is a line through the origin and the coordinate (1, r), where r is the slope and the unit rate (constant of proportionality, k).			

Standards: Algebraic Reasoning & Algebra 2

Standard	Date	Date	Notes
7.A.2 Identify and justify proportional relationships using mathematical models and situations; solve problems involving proportional relationships and interpret results in the original context.			
7.A.2.1 Represent proportional relationships with tables, verbal descriptions, symbols, and graphs; translate from one representation to another. Determine and compare the unit rate (constant of proportionality, slope, or rate of change) given any of these representations.			
7.A.2.2 Solve multi-step problems with proportional relationships (e.g., distance-time, percent increase or decrease, discounts, tips, unit pricing, mixtures and concentrations, similar figures, other mathematical situations).			
7.A.2.3 Use proportional reasoning to solve problems involving ratios.			
7.A.2.4 Use proportional reasoning to assess the reasonableness of solutions.			

Standards: Algebraic Reasoning & Algebra 3

Standard	Date	Date	Notes
7.A.3 Represent mathematical situations using equations and inequalities involving variables and rational numbers.			
7.A.3.1 Write and solve problems leading to linear equations with one variable in the form px + q = r and p(x + q) = r, where p, q, and r are rational numbers.			
7.A.3.2 Represent, write, solve, and graph problems leading to linear inequalities with one variable in the form $x + p > q$ and $x + p < q$, where p, and q are nonnegative rational numbers.			

Standards: Algebraic Reasoning & Algebra 4

Standard	Date	Date	Notes
7.A.4 Use order of operations and properties of operations to generate and evaluate equivalent numerical and algebraic expressions.			
7.A.4.1 Use properties of operations (associative, commutative, and distributive) to generate equivalent numerical and algebraic expressions containing rational numbers, grouping symbols and whole number exponents.			
7.A.4.2 Evaluate numerical expressions using calculators and other technologies and justify solutions using order of operations and grouping symbols.			

Standards: Geometry & Measurement 1

Standard	Date	Date	Notes
7.GM.1 Develop and understand the concept of surface area and volume of rectangular prisms with rational-valued edge lengths.			
7.GM.1.1 Recognize that the surface area of a rectangular prism can be found by finding the area of each component of the net of that figure. Know that rectangular prisms of different dimensions can have the same surface area.			
7.GM.1.2 Using a variety of tools and strategies, develop the concept that surface area of a rectangular prism can be found by wrapping the figure with same-sized square units without gaps or overlap. Use appropriate measurements (e.g., cm2).			
7.GM.1.3 Using a variety of tools and strategies, develop the concept that the volume of rectangular prisms can be found by counting the total number of same-sized unit cubes that fill a shape without gaps or overlaps. Use appropriate measurements (e.g., cm3).			

Standards: Geometry & Measurement 2

Standard	Date	Date	Notes
7.GM.2 Use mathematical models and problems to calculate and justify the area of trapezoids and the area and perimeter of composite figures with rational measurements.			

Standards: Geometry & Measurement 2

Standard	Date	Date	Notes
7.GM.2.1 Develop and use the formula to determine the area of a trapezoid.			
7.GM.2.2 Find the area and perimeter of composite figures.			

Standards: Geometry & Measurement 3

Standard	Date	Date	Notes
7.GM.3 Use mathematical models and reasoning with proportions and ratios to determine measurements, justify formulas, and solve problems.			
7.GM.3.1 Solve problems that require the conversion of weights and capacities within the same measurement systems using appropriate units.			
7.GM.3.2 Demonstrate an understanding of the proportional relationship between the diameter and circumference of a circle and that the unit rate (constant of proportionality) is pi (π) and can be approximated by rational numbers such as $$ and 3.14.			
7.GM.3.3 Calculate the circumference and area of circles to solve problems in various contexts, in terms of pi (π) and using approximations for pi (π).			

Standards: Geometry & Measurement 4

Standard	Date	Date	Notes
7.GM.4 Analyze the effect of translations, reflections, rotations, and dilations on the attributes of two dimensional figures on and off the coordinate plane.			
7.GM.4.1 Describe the properties of similarity, compare geometric figures for similarity, and determine scale factors resulting from dilations.			
7.GM.4.2 Apply proportions, ratios, and scale factors to solve problems involving scale drawings and to determine side lengths and areas of similar triangles and rectangles.			
7.GM.4.3 Graph and describe translations (with directional and algebraic instructions), reflections across the x- and y-axes, and rotations in 90o increments about the origin of figures on a coordinate plane, and determine the coordinates of the vertices of a figure after a transformation.			

Standards: Data & Probability 1

Standard	Date	Date	Notes
7.D.1 Interpret and analyze data, creating the most appropriate display, using a variety of tools.			
7.D.1.1 Design simple experiments, collect data, and calculate measures of center (mean, median, and mode) and spread (range and interquartile range). Use these quantities to draw conclusions about the data collected and make predictions.			
7.D.1.2 Use reasoning with proportions to display and interpret data in circle graphs (pie charts) and histograms.			
7.D.1.3 Use technology to create and analyze box plots. vertices of the figure after the transformation.			

Standards: Data & Probability 2

Standard	Date	Date	Notes
7.D.2 Calculate and use proportional reasoning with probabilities to model and solve mathematical problems.			
7.D.2.1 Determine the theoretical probability of an event using the ratio between the size of the event and the size of the sample space; represent probabilities as percents, fractions and decimals between 0 and 1.			
7.D.2.2 Calculate probability as a fraction of sample space or as a fraction of area. Express probabilities as percents, decimals and fractions.			
7.D.2.3 Use proportional reasoning to draw conclusions about and predict relative frequencies of outcomes based on theoretical probabilities.			

7th Grade Science

Oklahoma Academic Standards for Science

Standards: Matter & Its Interactions

Standard	Date	Date	Notes
7-PSI-1 Develop models to describe the atomic composition of simple molecules and extended structures.			
7-PSI-2 Analyze and interpret data on the properties of substances before and after the substances interact to determine if a chemical reaction has occurred.			
7-PSI.3 Gather and make sense of information to describe that synthetic materials come from natural resources and impact society.			
7-PSI.5 Develop and use a model to describe how the total number of atoms does not change in a chemical reaction and thus mass is conserved.			
7-PSI.6 Construct, test, and modify a device that releases or absorbs thermal energy by chemical processes to solve a problem.			

Standards: Energy

Standard	Date	Date	Notes
7-PS3.1 Construct and interpret graphical displays of data to describe the proportional relationships of kinetic energy to the mass of an object and to the speed of an object.			
7-PS3.2 Develop a model to describe that when objects interacting at a distance change their arrangement, different amounts of potential energy are stored in the system.			
7-PS3.5 Construct, use, and present arguments to support the claim that when the kinetic energy of an object changes, energy is transferred to or from the object.			

Standards: From Molecules to Organisms:

Structure and Functions

Standard	Date	Date	Notes
7-LS1.6 Construct a scientific explanation based on evidence for the role of photosynthesis in the cycling of matter and flow of energy into and out of organisms.			
7-LS1.7 Develop a model to describe how food molecules in plants and animals are broken down and rearranged through chemical reactions to form new molecules that support growth and/or release energy as matter moves through an organism.			

Standards: Ecosystems

Interactions, Energy, and Dynamics

Standard	Date	Date	Notes
7-LS2.1 Analyze and interpret data to provide evidence for the effects of resource availability on organisms and populations of organisms in an ecosystem.			
7-LS2.2 Construct an explanation that predicts patterns of interactions among organisms across multiple ecosystems.			
7-LS2.3 Develop a model to describe the cycling of matter and flow of energy among living and nonliving parts of an ecosystem.			
7-LS2.4 Construct an argument supported by empirical evidence that changes to physical or biological components of an ecosystem affect populations.			
7-LS2.5 Evaluate competing design solutions for maintaining biodiversity and ecosystem services.			

Standards: Earth & Human Activity

Standard	Date	Date	Notes
7-ESS3.1 Construct a scientific explanation based on evidence for how the uneven distributions of Earth's mineral, energy, and groundwater resources are the result of past and current geoscience processes			
7-ESS3.3 Apply scientific principles to design a method for monitoring and minimizing human impact on the environment			

Standards: Earth & Human Activity

Standard	Date	Date	Notes
7-ESS3.4 Construct an argument supported by evidence for how increases in human population and per-capita consumption of natural resources impact Earth's systems			
7-ESS3.5 Obtain, evaluate, and communicate evidence of the factors that have caused changes in global temperatures over the past century.			

7th Grade SS

Oklahoma Academic Standards for Social Studies

World Geography 7th Grade

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

Standard	Date	Date	Notes
7.SS.1.1 Integrate specific geographic information to support analysis from primary and secondary sources located in texts, documents, newspapers, magazines, journals, political cartoons, and online news sources.			
7.SS.1.2 Apply the concepts of scale, distance, direction, relative location, absolute location, and latitude and longitude.			
7.SS.1.3 Explain the relationship between the continents, world oceans, and major cultural regions.			
7.SS.1.4 Integrate visual information and apply the skill of mental mapping of the political and physical features of the Earth's surface in order to organize information about people, places, and environments.			
7.SS.1.5 Integrate visual information, draw conclusions, and make predictions from geographic data; analyze spatial distribution and patterns by interpreting that data as displayed on geographic tools.			
7.SS.1.6 Describe and analyze the role of geographic factors on current events and issues.			

Standard 2: World Geography 2

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

Standard	Date	Date	Notes
7.SS.2.1 Identify on a physical map the major landforms and bodies of water of each region.			
7.SS.2.2 Describe the distribution of major renewable and nonrenewable resources of each region.			
7.SS.2.3 Explain how the competition for scarce resources can cause economic and political conflict and cooperation.			

Standard 3: World Geography 3

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

Standard	Date	Date	Notes
7.SS.3.1 Identify on a political map the major countries and population centers of each region.			
7.SS.3.2 Compare common cultural traits, including language, ethnic heritage, social systems, and traditions.			
7.SS.3.3 Evaluate the impact of a region's major religions, including geographic hearths, major beliefs, customs, and the significance of religion in contemporary societies; explain how religion can both unify or divide people.			

Standard 3: World Geography 3

Standard	Date	Date	Notes
7.SS.3.4 Evaluate and summarize the impact of geography on population distribution, density, growth, change, settlement patterns, the availability of resources, and migration, including push and pull factors.			
7.SS.3.5 Describe reasons for and analyze from multiple perspectives the challenges and benefits of migration on indigenous and immigrant populations.			
7.SS.3.6 Describe the distribution of resources and evaluate how the three levels of economic activities (primary, secondary, tertiary) contribute to the development of a country or region.			
7.SS.3.7 Compare the structures of representative governments and authoritarian systems.			
7.SS.3.8 Identify the role of the citizen in the selection of government officials and lawmaking; compare individual liberties under different forms of government.			
7.SS.3.9 Identify and explain the advantages and disadvantages of traditional market and command economic systems.			

Standard 3: World Geography 3

Standard	Date	Date	Notes
7.SS.3.10 Explain the role of government policies in utilizing wealth from natural resources to finance development.			
7.SS.3.11 Assess the influence of economic development and distribution of wealth on society.			
7.SS.3.12 Distinguish between developed and developing regions using the Human Development Index; analyze data used by geographers, including literacy rate, life expectancy, infant mortality, and per capita income.			

Standard 4: World Geography 4

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

Standard	Date	Date	Notes
7.SS.4.1 Analyze the impact of climate events, weather patterns and natural disasters on human populations and the environment, resulting in forced migrations, scarcity of consumer goods, economic activities, and loss of life.			

Standard 4: World Geography 4

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

Standard	Date	Date	Notes
7.SS.4.2 Explain how climate change is affecting environments and human populations.			
7.SS.4.3 Explain the differences among subsistence, cash crop and commercial agriculture, including the impact on economic development.			
7.SS.4.4 Evaluate the effects of human modification of and adaptation to the natural environment through transformation caused by agriculture, the use of modern irrigation methods, industry, demand for energy, and urbanization.			
7.SS.4.5 Summarize the role of ecotourism in creating environmental awareness of resources, climate, cultures and wildlife.			
7.SS.4.6 Describe the role of citizens as responsible stewards of natural resources and the environment.			

Standard 5: World 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 Eastern Hemisphere.

Standard	Date	Date	Notes
7.SS.5.1 Define the concept of region and explain how and why regions change over time through physical and human processes which operate to modify the Earth's surface.			
7.SS.5.2 Describe how cultural diffusion, both voluntary and forced, impacts society.			
7.SS.5.3 Explain patterns of global interdependence and world trade, including the impact of changing technology on trade routes.			
7.SS.5.4 Explain patterns of global economic interdependence and world trade, focusing on the concepts of balance of trade, supply and demand; compare the economic measurements of productivity, Gross Domestic Product (GDP) and Gross National Product (GNP).			

Standard 5: World 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 Eastern Hemisphere.

Standard	Date	Date	Notes
7.SS.5.5 Analyze global interdependence which explains the outsourcing of technological and manufacturing jobs to developing regions.			
7.SS.5.6 Analyze reasons for conflict and cooperation among groups, societies, and countries, including the creation and involvement of supranational organizations.			
7.SS.5.7 Describe how political, economic, and cultural forces challenge contemporary political arrangements leading to the devolution of states (civil wars, terrorism, genocide, and ethnic separatism).			

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