

Classroom Jeopardy!® Grade 4: Part One
Standards and Correlation Document

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Language Arts

Topic	Games/Categories	Source of Standard	Standard
Root words, prefixes and suffixes	Game 3 Pick a Prefix Game 3 The Right Root Game 5 Root Word Wrap-Up Game 5 Suffix Fix-Up	California State Board of Education K-12 Content Standards, Grade 4 English Language Arts, Reading	1.4 Know common roots and affixes derived from Greek and Latin and use this knowledge to analyze the meaning of complex words (e.g., <i>international</i>).
		Texas Essential Knowledge and Skills, 110.6 English Language Arts and Reading Grade 4	6 (B) use structural analysis to identify root words with prefixes such as <i>dis-</i> , <i>non-</i> , <i>in-</i> ; and suffixes such as <i>-ness</i> , <i>-tion</i> , <i>-able</i> (4-6) 9 (D) determine meanings of derivatives by applying knowledge of the meanings of root words such as <i>like</i> , <i>pay</i> , or <i>happy</i> and affixes such as <i>dis-</i> , <i>pre-</i> , <i>un-</i> (4-8); and 17 (B) write with accurate spelling of roots such as <i>drink</i> , <i>speak</i> , <i>read</i> , or <i>happy</i> , inflections such as those that change tense or number, suffixes such as <i>-able</i> or <i>-less</i> , and prefixes such as <i>re-</i> or <i>un-</i> (4-6)
		South Carolina Dept. of Education English Language Arts Curriculum Standards, Grade 4	4-R3.2 Continue identifying word origins and derivatives to determine the meaning of words and phrases to refine word choice. 4-R3.3 Demonstrate the ability to apply a knowledge of roots and affixes to analyze the meaning of complex words.
Words with multiple meanings	Game 1 Tech Talk	California State Board of Education K-12 Content Standards, Grade 4 English Language Arts, Reading	1.6 Distinguish and interpret words with multiple meanings.
		Florida Dept. of Education Sunshine State Standards, Language Arts Fourth Grade, Reading	• Uses a variety of strategies to determine meaning and increase vocabulary (for example, multiple meaning words, antonyms, synonyms, word relationships, root words, and homonyms).
		Virginia Public Schools Standards of Learning, English, Fourth Grade	4.3 The student will read and learn the meanings of unfamiliar words. * Use knowledge of word origins; synonyms, antonyms, and homonyms; and multiple meanings of words.
Word origins	Game 5 Worldwide Words	California State Board of Education K-12 Content Standards, Grade 4 English Language Arts, Reading	1.2 Apply knowledge of word origins, derivations, synonyms, antonyms, and idioms to determine the meaning of words and phrases.
Synonyms and antonyms	Game 1 Final Jeopardy! Game 2 Spot the Antonym Game 2 Synonym Match	California State Board of Education K-12 Content Standards, Grade 4 English Language Arts, Reading	1.2 Apply knowledge of word origins, derivations, synonyms, antonyms, and idioms to determine the meaning of words and phrases.
		Florida Dept. of Education Sunshine State Standards, Language Arts Fourth Grade, Reading	• Uses a variety of strategies to determine meaning and increase vocabulary (for example, multiple meaning words, antonyms, synonyms, word relationships, root words, and homonyms).

		Indiana Academic Standards, English/Language Arts Grade 4	4.1.2 Apply knowledge of synonyms (words with the same meaning), antonyms (words with opposite meanings), homographs (words that are spelled the same but have different meanings), and idioms (expressions that cannot be understood just by knowing the meanings of the words in the expression, such as <i>couch potato</i>) to determine the meaning of words and phrases.
		Virginia Public Schools Standards of Learning, English, Fourth Grade	4.3 The student will read and learn the meanings of unfamiliar words. * Use knowledge of word origins; synonyms, antonyms, and homonyms; and multiple meanings of words.
Idioms	Game 1 Body Language Game 2 Table Manners	California State Board of Education K-12 Content Standards, Grade 4 English Language Arts, Reading	1.2 Apply knowledge of word origins, derivations, synonyms, antonyms, and idioms to determine the meaning of words and phrases.
		Indiana Academic Standards, English/Language Arts Grade 4	4.1.2 Apply knowledge of synonyms (words with the same meaning), antonyms (words with opposite meanings), homographs (words that are spelled the same but have different meanings), and idioms (expressions that cannot be understood just by knowing the meanings of the words in the expression, such as <i>couch potato</i>) to determine the meaning of words and phrases.
Structural patterns in writing	Game 5 Small to Large Game 5 Terrific Trios	California State Board of Education K-12 Content Standards, Grade 4 English Language Arts, Reading	2.1 Identify structural patterns found in informational text (e.g., compare and contrast, cause and effect, sequential or chronological order, proposition and support) to strengthen comprehension.
		Texas Essential Knowledge and Skills, 110.6 English Language Arts and Reading Grade 4	10 (E) use the text's structure or progression of ideas such as cause and effect or chronology to locate and recall information (4-8).
		Florida Dept. of Education Sunshine State Standards, Language Arts Fourth Grade, Reading	<ul style="list-style-type: none"> Understands a variety of textual organizations (for example, comparison and contrast, cause-and-effect, sequence of events).
Writing process	Game 5 Final Jeopardy!	Texas Essential Knowledge and Skills, 110.6 English Language Arts and Reading Grade 4	(19) (A) generate ideas and plans for writing by using such prewriting strategies as brainstorming, graphic organizers, notes, and logs (4-8).
		Florida Dept. of Education Sunshine State Standards, Language Arts Fourth Grade, Writing	<ul style="list-style-type: none"> uses a variety of strategies to prepare for writing (for example, brainstorming, making lists, mapping ideas, grouping related ideas, keeping a notebook of ideas, observing surroundings, answering questions posed by others).
		South Carolina Dept. of Education English Language Arts Curriculum Standards, Grade 4	4-R2.10 Demonstrate the ability to identify the author's purpose in a variety of texts.
		Virginia Public Schools Standards of Learning, English, Fourth Grade	4.4 The student will read fiction and nonfiction, including biographies and historical fiction. * Explain the author's purpose.

Distinguish between fact and opinion	Game 1 Fact or Opinion?	California State Board of Education K-12 Content Standards, Grade 4 English Language Arts, Reading	2.6 Distinguish between cause and effect and between fact and opinion in expository text.
		Florida Dept. of Education Sunshine State Standards, Language Arts Fourth Grade, Reading	• Identifies examples of fact, fiction, and opinion in text.
		Texas Essential Knowledge and Skills, 110.6 English Language Arts and Reading Grade 4	10 (J) distinguish fact and opinion in various texts (4-8).
		South Carolina Dept of Education English Language Arts Curriculum Standards, Grade 4	4-R1.13 Demonstrate the ability to distinguish between fact and opinion.
Conjunctions	Game 5 “If,” “And” or “But”	Texas Essential Knowledge and Skills, 110.6 English Language Arts and Reading Grade 4	18 (B) write in complete sentences, varying the types such as compound and complex to match meanings and purposes (4-5). 18 (F) use conjunctions to connect ideas meaningfully (4-5).
		Florida Dept. of Education Sunshine State Standards, Language Arts Fourth Grade, Writing	• Uses various parts of speech correctly in writing (including but not limited to subject and verb agreement, noun and verb forms, demonstrative pronouns, coordinating conjunctions).
		California State Board of Education K-12 Content Standards, Grade 4 English Language Arts, Writing	1.2 Combine short, related sentences with appositives, participial phrases, adjectives, adverbs, and prepositional phrases.
Subject and verb agreement	Game 1 To Be and To Have	Florida Dept. of Education Sunshine State Standards, Language Arts Fourth Grade, Writing	• Uses various parts of speech correctly in writing (including but not limited to subject and verb agreement, noun and verb forms, demonstrative pronouns, coordinating conjunctions).
		Florida Dept. of Education Sunshine State Standards, Language Arts Fourth Grade, Language	• Uses elements of grammar in speech (including but not limited to present, past, and future verb tenses; subject-verb agreement; pronouns as subjects).
		Texas Essential Knowledge and Skills, 110.6 English Language Arts and Reading Grade 4	18 (C) employ standard English usage in writing for audiences, including subject-verb agreement, pronoun referents, and parts of speech (4-8).
		Virginia Public Schools Standards of Learning, English, Fourth Grade	4.8 The student will edit final copies of writings. * Use subject-verb agreement.
Verb tenses	Game 1 To Be and To Have Game 4 Past Times Game 7 Put It In the Past	Florida Dept. of Education Sunshine State Standards, Language Arts Fourth Grade, Language	• Uses elements of grammar in speech (including but not limited to present, past, and future verb tenses; subject-verb agreement; pronouns as subjects).
Pronouns	Game 4 Final Jeopardy!	Florida Dept. of Education Sunshine State Standards, Language Arts Fourth Grade, Writing	• Uses various parts of speech correctly in writing (including but not limited to subject and verb agreement, noun and verb forms, demonstrative pronouns, coordinating conjunctions).
		Florida Dept. of Education Sunshine State Standards, Language Arts Fourth Grade, Language	• Uses elements of grammar in speech (including but not limited to present, past, and future verb tenses; subject-verb agreement; pronouns as subjects).

		Texas Essential Knowledge and Skills, 110.6 English Language Arts and Reading Grade 4	18 (C) employ standard English usage in writing for audiences, including subject-verb agreement, pronoun referents, and parts of speech (4-8). 18 (H) write with increasing accuracy when using objective case pronouns such as "Dan cooked for you and me." (4-5).
		Virginia Public Schools Standards of Learning, English, Fourth Grade	4.8 The student will edit final copies of writings. * Use pronoun "I" correctly in compound subjects.
Irregular plurals	Game 2 Plural Puzzles	Texas Essential Knowledge and Skills, 110.6 English Language Arts and Reading Grade 4	18 (A) use regular and irregular plurals correctly (4-6).
Punctuation	Game 4 Perfect Punctuation Game 4 Punctuate This!	California State Board of Education K-12 Content Standards, Grade 4 English Language Arts, Writing	1.4 Use parentheses, commas in direct quotations, and apostrophes in the possessive case of nouns and in contractions.
		Florida Dept. of Education Sunshine State Standards, Language Arts Fourth Grade, Writing	• Uses conventions of punctuation (including but not limited to commas in a series, dates, and addresses; beginning and ending quotation marks).
		Texas Essential Knowledge and Skills, 110.6 English Language Arts and Reading Grade 4	16 (B) capitalize and punctuate correctly to clarify and enhance meaning such as capitalizing titles, using possessives, commas in a series, commas in direct address, and sentence punctuation (4-5). 18 (G) write with increasing accuracy when using apostrophes in contractions such as <i>it's</i> and possessives such as <i>Jan's</i> (4-8).
		Virginia Public Schools Standards of Learning, English, Fourth Grade	4.8 The student will edit final copies of writings. * Use commas in series, dates, and addresses.
Literary and nonfiction forms	Game 3 Pick a Prefix Game 4 Fiction or Nonfiction?	Florida Dept. of Education Sunshine State Standards, Language Arts Fourth Grade, Literature	<ul style="list-style-type: none"> • Understands the distinguishing features of literary texts (for example, fiction, drama, poetry, biography, historical fiction, and chapter books). • Understands the distinguishing features of nonfiction texts (for example, biography, reference materials, magazines, and newspapers).
		Texas Essential Knowledge and Skills, 110.6 English Language Arts and Reading Grade 4	12 (D) recognize the distinguishing features of genres, including biography, historical fiction, informational texts, and poetry (4-8). 12 (G) understand literary forms by recognizing and distinguishing among such types of text as stories, poems, myths, fables, tall tales, limericks, plays, biographies, and autobiographies (3-7).
		South Carolina Dept. of Education English Language Arts Curriculum Standards, Grade 4	4-R2.7 Demonstrate the ability to distinguish between fiction and nonfiction. 4-R2.8 Demonstrate the ability to identify the characteristics of genres such as fiction, poetry, drama, and informational texts.
		California State Board of Education K-12 Content Standards, Grade 4 English Language Arts, Reading	3.1 Describe the structural differences of various imaginative forms of literature, including fantasies, fables, myths, legends, and fairy tales.

		Virginia Public Schools Standards of Learning, English, Fourth Grade	4.4 The student will read fiction and nonfiction, including biographies and historical fiction. * Compare the use of fact and fantasy in historical fiction with other forms of literature.
Computer terminology	Game 1 Tech Talk	California State Board of Education K-12 Content Standards, Grade 4 English Language Arts, Writing	1.9 Demonstrate basic keyboarding skills and familiarity with computer terminology (e.g., cursor, software, memory, disk drive, hard drive).

Math

Topic	Games/Categories	Source of Standard	Standard
Read and compare whole numbers through millions place	Game 1 Keep Counting Game 1 Place Value Puzzles Game 2 More or Less Game 5 Terrific Trios	California State Board of Education K-12 Content Standards, Grade 4 Mathematics, Number Sense	1.1 Read and write whole numbers in the millions.
		Florida Dept. of Education Sunshine State Standards, Mathematics Fourth Grade, Number Sense, Concepts and Operations	<ul style="list-style-type: none"> Reads, writes, and identifies whole numbers through millions or more. Compares and orders whole numbers through millions or more, using concrete materials, drawings, and numerals.
		Texas Essential Knowledge and Skills, 111.6 Mathematics Grade 4	1 (A) use place value to read, write, compare, and order whole numbers through the millions place.
		South Carolina Dept. of Education Mathematics Standards, Numbers and Operations Standard I. A., Grade 4	1. Explain the place value structure of whole numbers including periods (thousands, millions, billions, etc.).
		Virginia Public Schools Standards of Learning, Mathematics, Fourth Grade	4.1 b) compare two whole numbers expressed through millions, using symbols ($>$, $<$, or $=$).
		Indiana Academic Standards, Mathematics Grade 4	4.1.1 Read and write whole numbers up to 1,000,000. 4.1.4 Order and compare whole numbers using symbols for “less than” ($<$), “equal to” ($=$), and “greater than” ($>$).
Expanded notation to millions	Game 1 X-Panded Know-tation	Florida Dept. of Education Sunshine State Standards, Mathematics Fourth Grade, Number Sense, Concepts and Operations	<ul style="list-style-type: none"> Knows the value of a given digit in numbers from hundredths to millions, including writing and interpreting expanded forms of numbers.
		South Carolina Dept. of Education Mathematics Standards, Numbers and Operations Standard I. B., Grade 4	1. Write whole numbers in standard form, in expanded form, and in words.
		Indiana Academic Standards, Mathematics Grade 4	4.1.2 Identify and write whole numbers up to 1,000,000, given a place-value model. Example: Write the number that has 2 hundred thousands, 7 ten thousands, 4 thousands, 8 hundreds, 6 tens, and 2 ones.
Round whole numbers to nearest 10, 100, 1,000 and 10,000	Game 2 Round Off Game 2 Round and Round	California State Board of Education K-12 Content Standards, Grade 4 Mathematics, Number Sense	1.3 Round whole numbers through the millions to the nearest ten, hundred, thousand, ten thousand, or hundred thousand.
		Texas Essential Knowledge and Skills, 111.6 Mathematics Grade 4	5 (A) round whole numbers to the nearest ten, hundred, or thousand to approximate reasonable results in problem situations.
		South Carolina Dept. of Education Mathematics Standards, Numbers and Operations Standard III. C., Grade 4	1. Round whole numbers to the nearest 10,000, 100,000, and 1,000,000.
		Virginia Public Schools Standards of Learning, Mathematics, Fourth Grade	4.1 c) round whole numbers expressed through millions to the nearest thousand, ten thousand, and hundred thousand.

Read, order and compare decimals through hundredths	Game 2 More or Less	California State Board of Education K-12 Content Standards, Grade 4 Mathematics, Number Sense	1.2 Order and compare whole numbers and decimals to two decimal places.
		Florida Dept. of Education Sunshine State Standards, Mathematics Fourth Grade, Number Sense, Concepts and Operations	• Reads, writes, and identifies decimals through hundredths.
		Texas Essential Knowledge and Skills, 111.6 Mathematics Grade 4	1 (B) use place value to read, write, compare, and order decimals involving tenths and hundredths, including money, using concrete models.
		South Carolina Dept. of Education Mathematics Standards, Numbers and Operations Standard I. A., Grade 4	*2. Compare decimals (through hundredths) using symbols ($>$, $<$, and $=$) and words (<i>is greater than</i> , <i>is less than</i> , and <i>equals</i>).
		Virginia Public Schools Standards of Learning, Mathematics, Fourth Grade	4.4 a) read, write, represent, and identify decimals expressed through thousandths. 4.4 c) compare the value of two decimals, using symbols ($>$, $<$, or $=$), concrete materials, drawings, and calculators.
Basic multiplication and division facts	Game 2 Table Manners Game 5 How Many Wheels?	Florida Dept. of Education Sunshine State Standards, Mathematics Fourth Grade, Number Sense, Concepts and Operations	• Recalls (from memory) basic multiplication facts and related division facts.
		Texas Essential Knowledge and Skills, 111.6 Mathematics Grade 4	4 (C) recall and apply multiplication facts through 12×12 .
		Indiana Academic Standards, Mathematics Grade 4	4.2.4 Demonstrate mastery of the multiplication tables for numbers between 1 and 10 and of the corresponding division facts.
Multiplication and division concepts	Game 2 Final Jeopardy! Game 3 Multiplication Translation Game 3 What's Your Problem? Game 5 Factor Facts	Indiana Academic Standards, Mathematics Grade 4	4.2.2 Represent as multiplication any situation involving repeated addition. 4.2.3 Represent as division any situation involving the sharing of objects or the number of groups of shared objects.
		Texas Essential Knowledge and Skills, 111.6 Mathematics Grade 4	4 (B) represent multiplication and division situations in picture, word, and number form.
Multiplication of multidigit numbers	Game 2 Mega Multiples	California State Board of Education K-12 Content Standards, Grade 4 Mathematics, Number Sense	3.2 Demonstrate an understanding of, and the ability to use, standard algorithms for multiplying a multidigit number by a two-digit number and for dividing a multidigit number by a one-digit number; use relationships between them to simplify computations and to check results. 3.3 Solve problems involving multiplication of multidigit numbers by two-digit numbers. 3.4 Solve problems involving division of multidigit numbers by one-digit numbers.

		Texas Essential Knowledge and Skills, 111.6 Mathematics Grade 4	4 (D) use multiplication to solve problems involving two-digit numbers. 4 (E) use division to solve problems involving one-digit divisors.
		South Carolina Dept. of Education Mathematics Standards, Numbers and Operations Standard III. B., Grade 4	*1. Construct and analyze algorithms for all operations on whole numbers.
		Virginia Public Schools Standards of Learning, Mathematics, Fourth Grade	4.7 The student will find the product of two whole numbers when one factor has two digits or fewer and the other factor has three digits or fewer, using estimation and paper and pencil. For larger products (a two-digit numeral times a three-digit numeral), estimation and calculators will be used.
Multiplication by powers of ten	Game 2 Mega Multiples	Florida Dept. of Education Sunshine State Standards, Mathematics Fourth Grade, Number Sense, Concepts and Operations	• Multiplies by multiples of 10, 100 and 1,000 recognizing and demonstrating patterns.
		Texas Essential Knowledge and Skills, 111.6 Mathematics Grade 4	(C) Use patterns to multiply by 10 and 100.
		South Carolina Dept. of Education Mathematics Standards, Numbers and Operations Standard III. A., Grade 4	1. Use basic number combinations to compute related problems in multiplication and division using multiples of 100 and 1,000.
Identify factors	Game 5 Factor Facts	California State Board of Education K-12 Content Standards, Grade 4 Mathematics, Number Sense	4.1 Understand that many whole numbers break down in different ways (e.g., $12 = 4 \times 3 = 2 \times 6 = 2 \times 2 \times 3$).
		Florida Dept. of Education Sunshine State Standards, Mathematics Fourth Grade, Number Sense, Concepts and Operations	• Knows rules of divisibility for 2, 3, 5, 9, and 10.
		South Carolina Dept. of Education Mathematics Standards, Numbers and Operations Standard I. G., Grade 4	*1. Determine the factors of a given number up to 50.
Number patterns	Game 5 Pattern Play	Florida Dept. of Education Sunshine State Standards, Mathematics Fourth Grade, Algebraic Thinking	• Analyzes number patterns and states rules for relationships (for example, 2, 4, 7, 9, 12, ...; the rule: +2, +3, +2, +3, ...).
		Texas Essential Knowledge and Skills, 111.6 Mathematics Grade 4	(7) Patterns, relationships, and algebraic thinking. The student uses organizational structures to analyze and describe patterns and relationships. The student is expected to describe the relationship between two sets of related data such as ordered pairs in a table.
		Indiana Academic Standards, Mathematics Grade 4	4.3.5 Continue number patterns using multiplication and division.
		Virginia Public Schools Standards of Learning, Mathematics, Fourth Grade	4.21 The student will recognize, create, and extend numerical and geometric patterns, using concrete materials, number lines, symbols, tables, and words.

Multistep and multi-operation computation	Game 3 Do the Two-Step	California State Board of Education K-12 Content Standards, Grade 4 Mathematics, Algebra and Functions	1.2 Interpret and evaluate mathematical expressions that now use parentheses. 1.3 Use parentheses to indicate which operation to perform first when writing expressions containing more than two terms and different operations.
Real-world problems	Game 2 Final Jeopardy! Game 3 What's Your Problem? Game 5 How Many Wheels?	Florida Dept. of Education Sunshine State Standards, Mathematics Fourth Grade, Number Sense, Concepts and Operations	<ul style="list-style-type: none"> Solves real-world problems involving addition, subtraction, multiplication, and division of whole numbers, and addition and subtraction of decimals and fractions using an appropriate method (for example, mental math, pencil and paper, calculator). Uses problem-solving strategies to determine the operation(s) needed to solve one- and two-step problems involving addition, subtraction, multiplication, and division of whole numbers, and addition and subtraction of decimals and fractions.
		Texas Essential Knowledge and Skills, 111.6 Mathematics Grade 4	(14) Underlying processes and mathematical tools. The student applies Grade 4 mathematics to solve problems connected to everyday experiences and activities in and outside of school. 15 (B) relate informal language to mathematical language and symbols.
		Indiana Academic Standards, Mathematics Grade 4	4.2.3 Represent as division any situation involving the sharing of objects or the number of groups of shared objects. 4.3.7 Relate problem situations to number sentences involving multiplication and division.
Polygons up to eight sides	Game 1 Magic Number Game 4 How Many Sides?	California State Board of Education K-12 Content Standards, Grade 4 Mathematics, Measurement and Geometry	3.8 Know the definition of different quadrilaterals (e.g., rhombus, square, rectangle, parallelogram, trapezoid).
		Florida Dept. of Education Sunshine State Standards, Mathematics Fourth Grade, Geometry and Spatial Sense	<ul style="list-style-type: none"> Uses appropriate geometric vocabulary to describe properties and attributes of two- and three-dimensional figures (for example, faces, edges, vertices, and diameter).
		Texas Essential Knowledge and Skills, 111.6 Mathematics Grade 4	(C) Describe shapes and solids in terms of vertices, edges, and faces.
		Indiana Academic Standards, Mathematics Grade 4	4.4.3 Identify, describe, and draw parallelograms*, rhombuses*, and trapezoids*, using appropriate mathematical tools and technology.
		Florida Dept. of Education Sunshine State Standards, Mathematics Fourth Grade, Geometry and Spatial Sense	<ul style="list-style-type: none"> Draws and classifies two-dimensional figures having up to eight or more sides.
		Virginia Public Schools Standards of Learning, Mathematics, Fourth Grade	4. 17 a) analyze and compare the properties of two-dimensional (plane) geometric figures (circle, square, rectangle, triangle, parallelogram, and rhombus) and three-dimensional (solid) geometric figures (sphere, cube, and rectangular solid [prism]).

Conversion of measurement units within customary system or metric system	Game 2 Table Manners Game 3 Units You Know	Florida Dept. of Education Sunshine State Standards, Mathematics Fourth Grade, Measurement	<ul style="list-style-type: none"> • Uses multiplication or division to convert units of measure within either the customary or metric system (for example: 100 cm = 1 m).
		Virginia Public Schools Standards of Learning, Mathematics, Fourth Grade	<p>4.10 b) identify equivalent measurements between units within the U.S. Customary system (ounces and pounds) and between units within the metric system (grams and kilograms).</p> <p>4.11 b) identify equivalent measurements between units within the U.S. Customary system (inches and feet; feet and yards; inches and yards) and between units within the metric system (millimeters and centimeters; centimeters and meters; and millimeters and meters).</p> <p>4.12 b) identify equivalent measurements between units within the U.S. Customary system (cups, pints, quarts, and gallons) and between units within the metric system (milliliters and liters).</p>
Conversion of measurement units from customary system to metric	Game 4 Can You Convert?	Virginia Public Schools Standards of Learning, Mathematics, Fourth Grade	<p>4.10 c) estimate the conversion of ounces and grams and pounds and kilograms, using approximate comparisons (1 ounce is about 28 grams, or 1 gram is about the weight of a paper clip; 1 kilogram is a little more than 2 pounds).</p> <p>4.11 c) estimate the conversion of inches and centimeters, yards and meters, and miles and kilometers, using approximate comparisons (1 inch is about 2.5 centimeters, 1 meter is a little longer than 1 yard, 1 mile is slightly farther than 1.5 kilometers, or 1 kilometer is slightly farther than half a mile).</p> <p>4.12 c) estimate the conversion of quarts and liters, using approximate comparisons (1 quart is a little less than 1 liter, 1 liter is a little more than 1 quart).</p>
Units of time	Game 1 Magic Number Game 4 Units of Time	Florida Dept. of Education Sunshine State Standards, Mathematics Fourth Grade, Measurement	<ul style="list-style-type: none"> • Knows about varied time intervals, including decades, hours, minutes, and seconds.
Determination of appropriate measurement tool	Game 5 Measure with Me	Florida Dept. of Education Sunshine State Standards, Mathematics Fourth Grade, Measurement	<ul style="list-style-type: none"> • Selects and uses the appropriate tool for situational measures (for example, measuring sticks, scales and balances, thermometers, measuring cups, gauges).
		NSES (National Science Education Standards) Grades K-4, Content Standard B, Properties of Objects and Materials	<ul style="list-style-type: none"> • Objects have many observable properties, including size, weight, shape, color, temperature, and the ability to react with other substances. Those properties can be measured using tools, such as rulers, balances, and thermometers.

Science

Topic	Games/Categories	Source of Standard	Standard
States of matter	Game 5 Terrific Trios	NSES (National Science Education Standards) Grades K-4, Content Standard B, Properties of Objects and Materials	<ul style="list-style-type: none"> Materials can exist in different states—solid, liquid, and gas. Some common materials, such as water, can be changed from one state to another by heating or cooling.
Living and nonliving components of ecosystems	Game 1 Living or Nonliving?	California State Board of Education K-12 Content Standards, Grade 4 Science	3. a. Students know ecosystems can be characterized by their living and nonliving components.
		South Carolina Dept. of Education Science Standards, Grade 4	II. B. 1. b. Describe how animals behave and interact within their environment (living and nonliving).
Habitats	Game 4 Scientific Compounds	South Carolina Dept. of Education Science Standards, Grade 4	II. A. 1. a. Identify the characteristics of different environments, such as forests, wetlands, grasslands, deserts, and in polar, temperate, and tropical regions. II. A. 1. b. Describe the diversity of life forms (vertebrate and invertebrate animals and plants) supported by each environment.
		Pennsylvania Department of Education Academic Standards for Environment and Ecology 4.1 Grades K-4	D. Identify a wetland and the plants and animals found there. <ul style="list-style-type: none"> Identify different kinds of wetlands.
Animal classification and characteristics	Game 1 Magic Number Game 3 Moon or Stars Game 4 Scientific Compounds	South Carolina Dept. of Education Science Standards, Grade 4	II. A. 3. c. Distinguish major groups of organisms based on significant characteristics (e.g., body covering, number of legs, body parts, type of skeleton).
Animal groups	Game 4 Wild Bunch	South Carolina Dept. of Education Science Standards, Grade 4	II. B. 1. a. Describe how animals behave and interact within groups (e.g., schools, flocks, packs, hives, and herds).
Resources	Game 2 Natural or Manmade?	NSES (National Science Education Standards) Grades K-4, Content Standard D, Properties of Earth Materials	<ul style="list-style-type: none"> Earth materials are solid rocks and soils, water, and the gases of the atmosphere. The varied materials have different physical and chemical properties, which make them useful in different ways, for example, as building materials, as sources of fuel, or for growing the plants we use as food. Earth materials provide many of the resources that humans use.
		NSES (National Science Education Standards) Grades K-4, Content Standard F, Types of Resources	<ul style="list-style-type: none"> Some resources are basic materials, such as air, water, and soil; some are produced from basic resources, such as food, fuel, and building materials; and some resources are nonmaterial, such as quiet places, beauty, security, and safety.
		The National Council on Economic Education's Voluntary National Content Standards in Economics, Grade 4 Benchmarks	Content Standard 1 10. Natural resources, such as land, are "gifts of nature"; they are present without human intervention.
Environmental issues	Game 5 Earth in Trouble	NSES (National Science Education Standards) Grades K-4, Content Standard F, Changes in Environments	<ul style="list-style-type: none"> Changes in environments can be natural or influenced by humans. Some changes are good, some are bad, and some are neither good nor bad. Pollution is a change in the environment that can influence the health, survival, or activities of organisms, including humans.

		NSES (National Science Education Standards) Grades K-4, Content Standard F, Types of Resources	<ul style="list-style-type: none"> The supply of many resources is limited. If used, resources can be extended through recycling and decreased use.
		Idaho Achievement Standards, Science Standards Grade 4	596. 01. Understand common environmental quality issues, both natural and human induced.
		South Carolina Dept. of Education Science Standards, Grade 4	II. B. 3. c. Infer the impact of industrial technologies (e.g., air/land/water pollution and improved standard of living) on society and the environment.
Solar system	Game 1 Our Solar System Game 5 Small to Large	Florida Dept. of Education Sunshine State Standards, Science Fourth Grade, Earth and Space	<ul style="list-style-type: none"> Knows characteristics of Jupiter, Saturn, Uranus, Neptune, and Pluto. Understands that the Sun is a medium-sized star located near the edge of a galaxy containing billions of other stars, which in turn is one of innumerable galaxies in the Universe.
		Pennsylvania Department of Education Academic Standards for Science 3.4 Grades K-4	<p>C. Describe the composition and structure of the universe and the earth's place in it.</p> <ul style="list-style-type: none"> Recognize earth's place in the solar system. Identify planets in our solar system and their general characteristics.
Movements of Earth, sun and moon in relation to units of time	Game 1 Magic Number Game 2 Moon Mission Game 4 Cycles of Time	NSES (National Science Education Standards) Grades K-4, Content Standard D, Changes in Earth and Sky	<ul style="list-style-type: none"> Objects in the sky have patterns of movement. The sun, for example, appears to move across the sky in the same way every day, but its path changes slowly over the seasons. The moon moves across the sky on a daily basis much like the sun. The observable shape of the moon changes from day to day in a cycle that lasts about a month.
		NSES (National Science Education Standards) Grades K-4, Content Standard D, Objects in the Sky	<ul style="list-style-type: none"> The sun, moon, stars, clouds, birds, and airplanes all have properties, locations, and movements that can be observed and described.
		Florida Dept. of Education Sunshine State Standards, Science Fourth Grade, Earth and Space	<ul style="list-style-type: none"> Understands the cause of the phases of the Moon (for example, the movement patterns of the Earth and Moon relative to the Sun).
		Florida Dept. of Education Sunshine State Standards, Science Fourth Grade, The Nature of Science	<ul style="list-style-type: none"> Knows basic patterns, sequences, and cycles occurring in nature.
		Pennsylvania Department of Education Academic Standards for Science 3.4 (Grades K-4)	<p>D. Describe the composition and structure of the universe and the earth's place in it.</p> <ul style="list-style-type: none"> Describe the solar system motions and use them to explain time (e.g., days, seasons), major lunar phases and eclipses.
		Indiana Academic Standards, Science Grade 4	4.3.8 Explain that the rotation of Earth on its axis every 24 hours produces the night-and-day cycle.

		South Carolina Dept. of Education Science Standards, Grade 4	<p>III. A. 1. The sun, moon, and stars and planets, asteroids and comets all have properties, locations, and movements that can be observed and described.</p> <p>b. Describe the positional relationship between the Earth and the moon and their positional relationship to the sun.</p> <p>c. Observe and record phase changes of the moon over time.</p> <p>III. A. 2. a. Model and describe how the Earth's rotation on its axis produces day and night.</p>
		Texas Essential Knowledge and Skills, 112.6 Science Grade 4	6 (A) identify patterns of change such as in weather, metamorphosis, and objects in the sky.
Moon and night sky	Game 2 Moon Mission Game 3 Moon or Stars Game 4 Scientific Compounds	Florida Dept. of Education Sunshine State Standards, Science Fourth Grade, Earth and Space	<ul style="list-style-type: none"> • Understands the cause of the phases of the Moon (for example, the movement patterns of the Earth and Moon relative to the Sun).
		Indiana Academic Standards, Science Grade 4	4.3.1 Observe and report that the moon can be seen sometimes at night and sometimes during the day.
		NSES (National Science Education Standards) Grades K-4, Content Standard D, Changes in Earth and Sky	<ul style="list-style-type: none"> • Objects in the sky have patterns of movement. The sun, for example, appears to move across the sky in the same way every day, but its path changes slowly over the seasons. The moon moves across the sky on a daily basis much like the sun. The observable shape of the moon changes from day to day in a cycle that lasts about a month.
		South Carolina Dept. of Education Science Standards, Grade 4	<p>III. A. 1. The sun, moon, and stars and planets, asteroids and comets all have properties, locations, and movements that can be observed and described.</p> <p>a. State that the sun produces its own light, while the moon reflects light from the sun.</p> <p>c. Observe and record phase changes of the moon over time.</p>
Human body	Game 5 Digestive or Circulatory System?	Florida Dept. of Education Sunshine State Standards, Science Fourth Grade, Processes of Life	<ul style="list-style-type: none"> • Knows the major organ systems of the human body. • Understands the functions of various body systems.
		Texas Essential Knowledge and Skills, 115.6 Health Education Grade 4	2 (B) describe the basic function of major body systems such as the circulatory and digestive systems.

Hereditary traits	Game 3 Doggone Heredity Game 3 Human Heredity	Texas Essential Knowledge and Skills, 112.6 Science Grade 4	9 (A) distinguish between inherited traits and learned characteristics; and 9 (B) identify and provide examples of inherited traits and learned characteristics.
		South Carolina Dept. of Education Science Standards, Grade 4	II. A. 3. a. Identify and describe characteristics and behaviors that are inherited (e.g., color of flowers and animal instincts). II. A. 3. b. Identify and describe characteristics and learned behaviors that enable organisms to survive in their environment (e.g., bear learning to fish).
		NSES (National Science Education Standards) Grades K-4, Content Standard C, Characteristics of Organisms	<ul style="list-style-type: none"> • Many characteristics of an organism are inherited from the parents of the organism, but other characteristics result from an individual's interactions with the environment. Inherited characteristics include the color of flowers and the number of limbs of an animal. Other features, such as the ability to ride a bicycle, are learned through interactions with the environment and cannot be passed on to the next generation.

Social Studies

Topic	Games/Categories	Source of Standard	Standard
Patriotic songs and documents	Game 1 National News Game 2 Missing Words Game 3 Moon or Stars Game 4 American Symbols	CCE National Standards for Civics and Government, K-4	II. A. 1. Students should be able to explain the importance of the fundamental values and principles of American democracy. <ul style="list-style-type: none"> identify fundamental values and principles as they are expressed in the Declaration of Independence, Preamble to the United States Constitution, the Bill of Rights, Pledge of Allegiance, speeches, songs, and stories
		National Center for History in the Schools (NCHS) History Standards for Grades K-4	Standard 4E Analyze the Pledge of Allegiance and patriotic songs, poems, and sayings that were written long ago to demonstrate understanding of their significance.
American symbols	Game 1 Magic Number Game 3 All in the Family Game 4 American Symbols Game 5 Terrific Trios	CCE National Standards for Civics and Government, K-4	II. C. 1. Students should be able to explain the importance of Americans sharing and supporting certain values, principles, and beliefs. <ul style="list-style-type: none"> identify symbols used to depict Americans' shared values, principles, and beliefs and explain their meaning, e.g., the flag, Statue of Liberty, Statue of Justice, Uncle Sam, Great Seal, national anthem, oaths of office, and mottoes such as E Pluribus Unum
		National Center for History in the Schools (NCHS) History Standards for Grades K-4	Standard 4E Describe the history of American symbols such as the eagle, the Liberty Bell, George Washington as the “father of our country,” and the national flag. Standard 4E Explain why important buildings, statues, and monuments are associated with state and national history, such as the White House, Lincoln Memorial, Statue of Liberty, Ellis Island, Angel Island, Mt. Rushmore, and veteran’s memorials.
American holidays	Game 1 National News Game 2 Let’s Celebrate	CCE National Standards for Civics and Government, K-4	II. C. 1. Students should be able to explain the importance of Americans sharing and supporting certain values, principles, and beliefs. <ul style="list-style-type: none"> describe holidays Americans celebrate and explain how they reflect their shared values, principles, and beliefs, e.g., the Fourth of July, Labor Day, Memorial Day, Presidents' Day, Columbus Day, Thanksgiving, Veterans Day, Martin Luther King, Jr.'s Birthday

		National Center for History in the Schools (NCHS) History Standards for Grades K-4	Standard 4D Describe the history of holidays, such as the birthday of Martin Luther King Jr., Presidents' Day, Memorial Day, the Fourth of July, Labor Day, Veterans' Day and Thanksgiving, that celebrate the core democratic values and principles of this nation.
		Texas Essential Knowledge and Skills, 113.6 Social Studies Grade 4	(17) (D) describe the origins and significance of state celebrations such as Texas Independence Day and Juneteenth.
Citizenship	Game 1 Magic Number	CCE National Standards for Civics and Government, K-4	II. B. 1. Students should be able to identify some important beliefs commonly held by Americans about themselves and their government. <ul style="list-style-type: none"> • all people have a right to participate in political life by expressing their opinions and trying to persuade others; all citizens over 18 years of age have the right to vote; and citizens who meet age and other qualifications have the right to seek public office
Responsibilities and organization of federal, state and local governments	Game 4 Government Guys and Gals	CCE National Standards for Civics and Government, K-4	III. B. 1. Students should be able to give examples of ways the national government protects individual rights and promotes the common good. III. C. 1. Students should be able to explain the most important responsibilities of their state government. To achieve this standard, students should be able to <ul style="list-style-type: none"> • distinguish between the national and state governments • describe important services their state government provides, e.g., education, law enforcement, health services and hospitals, roads and highways, public welfare III. D. 1. Students should be able to explain the most important responsibilities of their local government. To achieve this standard, students should be able to <ul style="list-style-type: none"> • distinguish among national, state, and local governments • describe services commonly and primarily provided by local governments <ul style="list-style-type: none"> ▪ public safety, e.g., police, fire, street lighting services ▪ public utilities, e.g., water, gas, electricity ▪ transportation, e.g., streets, highways, bus or subway systems, airports, harbors ▪ education and recreation, e.g., schools, libraries, museums, parks, sports facilities

		California State Board of Education K-12 Content Standards, Grade 4 History–Social Science	4.5 3. Describe the similarities (e.g., written documents, rule of law, consent of the governed, three separate branches) and differences (e.g., scope of jurisdiction, limits on government powers, use of the military) among federal, state, and local governments. 4.5 4. Explain the structures and functions of state governments, including the roles and responsibilities of their elected officials.
		Florida Dept. of Education Sunshine State Standards, Social Studies Fourth Grade; Government and the Citizen	• Knows basic things Florida government does in one’s school, community, state, and nation.
		South Carolina Dept. of Education Social Studies Standards, Grade 4	4.4.2 express what the national government does and how it protects individual rights and promotes the common good.
Structure of government	Game 3 May or June? Game 5 Terrific Trios	CCE National Standards for Civics and Government, K-4	III. C. 1. Students should be able to explain the most important responsibilities of their state government. To achieve this standard, students should be able to <ul style="list-style-type: none"> • describe the major responsibilities of each branch of their state government <ul style="list-style-type: none"> ▪ legislative branch--makes state laws, decides how the state will spend tax money, approves appointments made by the governor ▪ executive branch--carries out and enforces laws made by the state legislature, e.g., laws providing for education, health care for needy children, protection of fish and game ▪ judicial branch--interprets law and manages conflicts about the law
		California State Board of Education K-12 Content Standards, Grade 4 History–Social Science	4.5 3. Describe the similarities (e.g., written documents, rule of law, consent of the governed, three separate branches) and differences (e.g., scope of jurisdiction, limits on government powers, use of the military) among federal, state, and local governments.
		Florida Dept. of Education Sunshine State Standards, Social Studies Fourth Grade; Government and the Citizen	• Knows the branches of Florida state government. • Understands the structure, functions, and primary responsibilities of executive, legislative, and judicial branches of Florida government.
		Texas Essential Knowledge and Skills, 113.6 Social Studies Grade 4	16 (B) identify and explain the basic functions of the three branches of state government.
		Indiana Academic Standards, Social Studies Grade 4	4.2.3 Identify and explain the major responsibilities of the legislative, executive, and judicial branches of state government as written in the Indiana Constitution.
		South Carolina Dept. of Education Social Studies Standards, Grade 4	4.4.3 identify the three branches of the federal government and describe their functions.
		Virginia Public Schools Standards of Learning, Social Studies/History Fourth Grade	VS 10. a) Identifying the three branches of Virginia government and the function of each.

Identify elected officials	Game 3 Your Leaders Game 3 All in the Family	CCE National Standards for Civics and Government, K-4	III. E. 1. Students should be able to identify the members of the legislative branches and the heads of the executive branches of their local, state, and national governments. To achieve this standard, students should be able to <ul style="list-style-type: none"> name the persons representing them at the executive branches of government, e.g., mayor, governor, president
		California State Board of Education K-12 Content Standards, Grade 4 History–Social Science	4.5 4. Explain the structures and functions of state governments, including the roles and responsibilities of their elected officials.
		Florida Dept. of Education Sunshine State Standards, Social Studies Fourth Grade; Government and the Citizen	<ul style="list-style-type: none"> Knows the names of his or her representatives at the local and state level (for example, mayor, governor, city council members, and state legislative representatives).
		Texas Essential Knowledge and Skills, 113.6 Social Studies Grade 4	19 (A) identify leaders in state and local governments, including the governor, selected members of the Texas Legislature, and Texans who have been President of the United States, and their political parties.
		Indiana Academic Standards, Social Studies Grade 4	4.2.4 Identify major state offices and the duties and powers associated with them, such as governor, lieutenant governor, chief justice, state senators, and state representatives and how they are chosen, such as by election or appointment.
Geography concepts and vocabulary	Game 5 Small to Large	Indiana Academic Standards, Social Studies Grade 4	4.2.5 Explain that Indiana is one of fifty states in the United States and that other countries are also made up of smaller units, such as states, provinces, or territories.
		California State Board of Education K-12 Content Standards, Grade 4 History–Social Science	4.5 5. Describe the components of California's governance structure (e.g., cities and towns, Indian rancherias and reservations, counties, school districts).
		Texas Essential Knowledge and Skills, 113.6 Social Studies Grade 4	7 (A) describe a variety of regions in Texas and the Western Hemisphere such as political, population, and economic regions that result from patterns of human activity.
Identify places and features of own state	Game 3 Final Jeopardy!	California State Board of Education K-12 Content Standards, Grade 4 History–Social Science	4.1 3. Identify the state capital and describe the various regions of California, including how their characteristics and physical environments (e.g., water, landforms, vegetation, and climate) affect human activity.
		Indiana Academic Standards, Social Studies Grade 4	4.3.4 Locate Indiana on a map of the United States; indicate the state capital, major cities, and rivers in Indiana and be able to place these on a blank map of the state.

<p>Inventions</p>	<p>Game 1 Which Came First?</p>	<p>National Center for History in the Schools (NCHS) History Standards for Grades K-4</p>	<p>Standard 8A Identify and describe technological inventions and developments that evolved during the 19th century and the influence of these changes on the lives of workers.</p> <p>Standard 8A Identify and describe the significant achievements of important scientists and inventors.</p> <p>Standard 8B Create a timeline showing the varieties in forms of transportation and their developments over time.</p> <p>Standard 8C Compare and contrast ways people communicate with each other now and long ago, and list in chronological order technological developments that facilitated communication.</p> <p>Standard 8C Explain the significance of the printing press, the computer, and electronic developments in communication, and describe their impact on the spread of ideas.</p>
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