READING

Anchor Standards

Area	Type	Level	Strand	Standard
Reading	**Content**	*(leave blank)*	Key Ideas and Details	R.KI.1 - Read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence when writing or speaking to support conclusions drawn from the text.
				R.KI.2 - Determine central ideas or themes of a text and analyze their development; summarize the key supporting details and ideas.
				R.KI.3 - Analyze how and why individuals, events, and ideas develop and interact over the course of a text.
			Craft and Structure	R.CS.4 - Interpret words and phrases as they are used in a text, including determining technical, connotative, and figurative meanings, and analyze how specific word choices shape meaning or tone.
				R.CS.5 - Analyze the structure of texts, including how specific sentences, paragraphs, and larger portions of the text (e.g., a section, chapter, scene or stanza) relate to each other and the whole.
				R.CS.6 - Assess how point of view or purpose shapes the content and style of a text.
			Integration of Knowledge and Ideas	R.IK.7 - Integrate and evaluate content presented in diverse media and formats, including visually and quantitatively, as well as in words.
				R.IK.8 - Delineate and evaluate the argument and specific claims in a text, including the validity of the reasoning as well as the relevance and sufficiency of the evidence.
				R.IK.9 - Analyze how two or more texts address similar themes or topics in order to build knowledge or to compare the approaches the authors take.
			Range of Reading and Level of Text Complexity	R.RR.10 - Read and comprehend a range of complex literary and informational texts independently and proficiently.
	Foundational Skills	*(leave blank)*	Print Concepts	R.PC.1.1 - Demonstrate understanding of the organization and basic features of print.
			Phonological Awareness	R.PA.2.1 - Demonstrate understanding of spoken words, syllables, and sounds (phonemes).
			Phonics and Word Recognition	R.PWR.3.1 - Know and apply grade-level phonics and word analysis skills in decoding words.
			Fluency	R.F.4.1 - Read emergent-reader texts with purpose and understanding.
				R.F.4.2 - Read with sufficient accuracy and fluency to support comprehension.

WRITING

Anchor Standards

Area	Type	Level	Strand	Standard
Writing	**Content**	*(leave blank)*	Text Types and Purposes	W.TT.1 - Write arguments to support claims in an analysis of substantive topics or texts, using valid reasoning and relevant and sufficient evidence.
				W.TT.2 - Write informative/explanatory texts to examine and convey complex ideas and information clearly and accurately through the effective selection, organization, and analysis of content.
				W.TT.3 - Use narrative writing to develop real or imagined experiences or events using effective techniques, well-chosen details, and well-structured event sequences.
			Production and Distribution of Writing	W.PD.4 - Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.
				W.PD.5 - Develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach.
				W.PD.6 - Use technology, including the Internet, to produce and publish writing and to interact and collaborate with others.
			Research to Build and Present Knowledge	W.RB.7 - Conduce short as well as more sustained research projects based on focused questions, demonstrating understanding of the subject under investigation.
				W.RB.8 - Gather relevant information from multiple print and digital sources, assess the credibility and accuracy of each source, and integrate the information while avoiding plagiarism.
				W.RB.9 - Draw evidence from literary or informational text to support analysis, reflection, and research.
			Range of Writing	W.RW.10 - Write routinely over extended time frames (time for research, reflection, and revision) and shorter time frames (a single sitting or a day or two) for a range of tasks, purposes, and audiences.

LANGUAGE

Anchor Standards

Area	Type	Level	Strand	Standard
Language	**Content**	*(leave blank)*	Conventions of Standard English	L.CS.1 - Demonstrate the command of the conventions of standard English grammar and usage when writing or speaking.
				L.CS.2 - Demonstrate the command of the conventions of standard English capitalization, punctuation, and spelling when writing.
			Knowledge of Language	L.KL.3 - Apply knowledge of language to understand how language functions in different contexts, to make effective choices for meaning or style, and to comprehend more fully when reading or listening.
			Verbal Acquisition and Use	L.VA.4 - Determine or clarify the meaning of unknown and multiple-meaning words and phrases by using context clues, analyzing meaningful word parts, and consulting general and specialized reference materials, as appropriate.
				L.VA.5 - Demonstrate understanding of figurative language, word relationships, and nuances in word meanings.
				L.VA.6 - Acquire and use accurately a range of general academic and domain-specific words and phrases sufficient for reading, writing, speaking, and listening at the college- and career-readiness level; demonstrate independence in gathering vocabulary knowledge when encountering an unknown term important to comprehension or expression.

SPEAKING AND LISTENING

Anchor Standards

Area	Type	Level	Strand	Anchor Standard
Speaking and Listening	**Content**	*(leave blank)*	Comprehension and Collaboration	SL.CC.1 - Prepare for and participate effectively in a range of conversations and collaborations with diverse partners, building on each others' ideas and expressing their own clearly and persuasively.
				SL.CC.2 - Integrate and evaluate information presented in diverse media and formats, including visually, quantitatively, and orally.
				SL.CC.3 - Evaluate a speaker's point of view, reasoning, and use of evidence and rhetoric.
			Presentation of Knowledge and Ideas	SL.PK.4 - Present information, findings, and supporting evidence such that listeners can follow the line of reasoning and that the organization, development, and style are appropriate to task, purpose, and audience.
				SL.PK.5 - Make strategic use of digital media and visual displays of data to express information and enhance understanding of presentations.
				SL.PK.6 - Adapt speech to a variety of contexts and communicative tasks, demonstrating command of formal English when indicated or appropriate.

MATH

Content Standards - Level 1

Area	Type	Level	Strand	Anchor Standard
Math	**Content**	**1**	Counting, Cardinality and Ordinality	M.CC.1A - Know number names and the count sequence.
				M.CC.1B - Count to tell the number of objects.
				M.CC.1C - Compare numbers.
				M.CC.1D - Know ordinal names and counting flexibility.
			Operations and Algebraic Thinking	M.OA.1A - Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.
				M.OA.1B - Identify and continue patterns.
				M.OA.1C - Represent and solve problems involving addition and subtraction.
				M.OA.1D - Understand and apply properties of operations and the relationship between addition and subtraction.
				M.OA.1E - Add and subtract up to 20.
				M.OA.1F - Work with addition and subtraction equations.
				M.OA.1G - Work for equal groups of objects to gain foundations for multiplication.
			Number and Operations in Base Ten	M.NBT.1A - Work with numbers 11-19 to gain foundations for place value.
				M.NBT.1B - Extend the counting sequence.
				M.NBT.1C - Understand place value.
				M.NBT.1D - Use place value understanding and properties of operations to add and subtract.
			Measurement and Data	M.MD.1A - Describe and compare measurable attributes.
				M.MD.1B - Classify objects and count the number of objects in categories.
				M.MD.1C - Work with time and money.
				M.MD.1D - Measure lengths indirectly and by iterating unit lengths.
				M.MD.1E - Represent and interpret data.
				M.MD.1F - Measure and estimate lengths in standard units.
				M.MD.1G - Relate addition and subtraction to length.
			Geometry	M.G.1A - Identify and describe shapes.
				M.G.1B - Analyze, compare, create, and compose shapes.
				M.G.1C - Reason with shapes and their attributes.

MATH

Content Standards - Level 2

Area	Type	Level	Strand	Anchor Standard
Math	**Content**	**2**	Operations and Algebraic Thinking	M.OA.2A - Represent and solve problems involving multiplication and division.
				M.OA.2B - Understand properties of multiplication and the relationship between multiplication and division.
				M.OA.2C - Multiply and divide up to 100.
				M.OA.2D - Solve problems involving the four operations, and identify and explain patterns in arithmetic.
				M.OA.2E - Use the four operations with whole numbers to solve problems.
				M.OA.2F - Gain familiarity with factors and multiples.
				M.OA.2G - Generate and analyze patterns.
				M.OA.2H - Write and interpret numerical expressions.
				M.OA.2I - Analyze patterns and relationships.
			Number and Operations in Base Ten	M.NBT.2A - Use place value understanding and properties of operations to perform multi-digit arithmetic.
				M.NBT.2B - Generalize place value understanding for multi-digit whole numbers.
				M.NBT.2C - Understand the place value system.
				M.NBT.2D - Perform operations with multi-digit whole numbers and with decimals to hundredths.
			Measurement and Data	M.MD.2A - Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects.
				M.MD.2B - Represent and interpret data.
				M.MD.2C - Geometric measurement: understand concepts of area and relate area to multiplication and to addition.
				M.MD.2D - Geometric measurement: recognize perimeter as an attribute of plane figures and distinguish between linear and area measures.
				M.MD.2E - Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit and involving time.
				M.MD.2F - Geometric measurement: understand the concepts of angles and measure angles.
				M.MD.2G - Convert like measurement units within a given measurement system and solve problems involving time.
				M.MD.2H - Geometric measurement: understand concepts of volume and relate volume to multiplication and to addition.

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MATH

Content Standards - Level 2

(Math level 2 continued)

Area	Type	Level	Strand	Anchor Standard
Math	**Content**	**2**	Number and Operations - Fractions	M.NF.2A - Develop understanding of fractions as numbers.
				M.NF.2B - Extend understanding of fraction equivalence and ordering.
				M.NF.2C - Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers.
				M.NF.2D - Understand decimal notation for fractions, and compare decimal fractions.
				M.NF.2E - Use equivalent fractions as a strategy to add and subtract fractions.
				M.NF.2F - Apply and extend previous understandings of multiplication and division to multiply and divide fractions.
			Geometry	M.G.2A - Draw and identify lines and angles, and classify shapes by properties of their lines and angles.
				M.G.2B - Graph points on the coordinate plane to solve real-world and mathematical problems.
				M.G.2C - Classify two-dimensional figures into categories based on their properties.

MATH

Content Standards - Level 3

Area	Type	Level	Strand	Anchor Standard
Math	**Content**	**3**	Geometry	M.G.3A - Solve real-world and mathematical problems involving area, surface area, and volume.
				M.G.3B - Draw, construct and describe geometrical figures and describe the relationship between them.
				M.G.3C - Solve real-life and mathematical problems involving angle measure, area, surface area, and volume.
				M.G.3D - Understand congruence and similarity using physical models, transparencies, or geometry software.
				M.G.3E - Understand and apply the Pythagorean Theorem.
				M.G.3F - Solve real-world and mathematical problems involving volume of cylinders, cones and spheres.
			Ratios and Proportional Relationships	M.RP.3A - Understand ratio concepts and use ratio reasoning to solve problems.
				M.RP.3B - Analyze proportional relationships and use them to solve real-world and mathematical problems.
			The Number System	M.NS.3A - Apply and extend previous understandings of multiplication and division to divide fractions by fractions.
				M.NS.3B - Compute fluency with multi-digit numbers and find common factors and multiples.
				M.NS.3C - Apply and extend previous understandings of numbers to the system of rational numbers.
				M.NS.3D - Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers.
			Expressions and Equations	M.EE.3A - Apply and extend previous understandings of arithmetic to algebraic expressions.
				M.EE.3B - Reason about and solve one-variable equations and inequalities.
				M.EE.3C - Represent and analyze quantitative relationships between dependent and independent variables.
				M.EE.3D - Use properties of operations to generate equivalent expressions.
				M.EE.3E - Solve real-life and mathematical problems using numerical and algebraic expressions and equations.
				M.EE.3F - Work with radicals and integer exponents.
				M.EE.3G - Understand the connections between proportional relationships, lines, and linear equations.
				M.EE.3H - Analyze and solve linear equations and pairs of simultaneous linear equations.

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MATH

Content Standards - Level 3

(Math level 3 continued)

Area	Type	Level	Strand	Anchor Standard
Math	**Content**	**3**	Functions	M.F.3A - Define, evaluate, and compare functions.
				M.F.3B - Use functions to model relationships between quantities.
			Statistics and Probability	M.SP.3A - Develop understanding of statistical variability.
				M.SP.3B - Summarize and describe distributions.
				M.SP.3C - Use random sampling to draw inferences about a population.
				M.SP.3D - Draw informal comparative inferences about two populations.
				M.SP.3E - Investigate change processes and develop, use, and evaluate probability models.
				M.SP.3F - Investigate patterns of association in bivariate data.

MATH

Content Standards - Level 4

Area	Type	Level	Strand	Anchor Standard
Math	Content	4	Algebra	M.A-APR.4A - Perform arithmetic operation on polynomials.
				M.A-APR.4B - Understand the relationship between zeros and factors of polynomials.
				M.A-APR.4C - Use polynomial identities to solve problems.
				M.A-APR.4D - Rewrite rational expressions.
				M.A-CED.4A - Create equations and inequalities that describe numbers or relationships.
				M.A-REI.4A - Understand solving equations as a process of reasoning and explain the reasoning.
				M.A-REI.4B - Solve equations and inequalities in one variable.
				M.A-REI.4C - Solve systems of equations.
				M.A-REI.4D - Represent and solve equations and inequalities graphically.
				M.A-SSE.4A - Interpret the structure of expressions.
				M.A-SSE.4B - Write expressions in equivalent forms to solve problems.
			Functions	M.F-BF.4A - Build a function that models a relationship between two quantities.
				M.F-BF.4B - Build new functions from existing functions.
				M.F-IF.4A - Understand the concept of a function and use function notation.
				M.F-IF.4B - Interpret functions that arise in applications in terms of the context.
				M.F-IF4.C - Analyze functions using difference representations.
				M.F-LE.4A - Construct and compare linear, quadratic, and exponential models and solve problems.
				M.F-LE.4B - Interpret expressions for functions in terms of the situation they model.
				M.F-TF.4A - Extend the domain of trigonometric functions using the unit circle.
				M.F-TF.4B - Model periodic phenomena with trigonometric functions.
				M.F-TF.4C - Prove and apply trigonometric identities.
			Geometry	M.G-C.4A - Understand and apply theorems about circles.
				M.G-C.4B - Find arc lengths and areas of sectors of circles.
				M.G-CO.4A - Experiment with transformations in the plane.
				M.G-CO.4B - Understand congruence in terms of rigid motions.
				M.G-CO.4C - Prove geometric theorems.
				M.G-CO.4D - Make geometric constructions.
				M.G-GMD.4A - Explain volume formulas and use them to solve problems.
				M.G-GMD.4B - Visualize relationships between two-dimensional and three-dimensional objects.
				M.G-GPE.4A - Translate between the geometric description and the equation for a conic section.
				M.G-GPE.4B - Use coordinates to prove simple geometric theorems algebraically.
				M.G-MG.4A - Apply geometric concepts in modeling situations.
				M.G-SRT.4A - Understand similarity in terms of similarity transformations.
				M.G-SRT.4B - Prove theorems involving similarity.
				M.G-SRT.4C - Define trigonometric ratios and solve problems involving right triangles.
				M.G-SRT.4D - Apply trigonometry to general triangles.

(Math level 4 continued on second page)

MATH

Content Standards - Level 4

(Math level 4 continued)

Area	Type	Level	Strand	Anchor Standard
Math	**Content**	**4**	Number and Quantity	M.N-CN.4A - Perform arithmetic operations with complex numbers.
				M.N-CN.4B - Represent complex numbers and their operations on the complex plane.
				M.N-CN.4C - Use complex numbers in polynomial identities and equations.
				M.N-Q.4A - Reason quantitatively and use units to solve problems
				M.N-RN.4A - Extend the properties of exponents to rational exponents.
				M.N-RN.4B - Use properties of rational and irrational numbers.
				M.N-VM.4A - Represent and model with vector quantities.
				M.N-VM.4B - Perform operations on vectors.
				M.N-VM.4C - Perform operations on matrices and use matrices in applications.
			Statistics and Probability	M.S-CP.4A - Understand independence and conditional probability and use them to interpret data.
				M.S-CP.4B - Use the rules of probability to compute probabilities of compound events in a uniform probability model.
				M.S-IC.4A - Understand and evaluate random processes underlying statistical experiments.
				M.S-IC.4B - Make inferences and justify conclusions from sample surveys, experiments, and observational studies.
				M.S-ID.4A - Summarize, represent, and interpret data on a single count or measurement variable.
				M.S-ID.4B - Summarize, represent, and interpret data on two categorical and quantitative variables.
				M.S-ID.4C - Interpret linear models.
				M.S-MD.4A - Calculate expected values and use them to solve problems.
				M.S-MD.4B - Use probability to evaluate outcomes of decisions.

MATH

Practice Standards

Area	Type	Level	Strand	Anchor Standard
Math	**Practice**	(leave blank)	(leave blank)	M.P1 - Make sense of problems and persevere in solving them
				M.P2 - Reason abstractly and quantitatively
				M.P3 - Construct viable arguments and critique the reasoning of others
				M.P4 - Model with mathematics
				M.P5 - Use appropriate tools strategically
				M.P6 - Attend to precision
				M.P7 - Look for and make use of structure
				M.P8 - Look for and express regularity in repeated reasoning